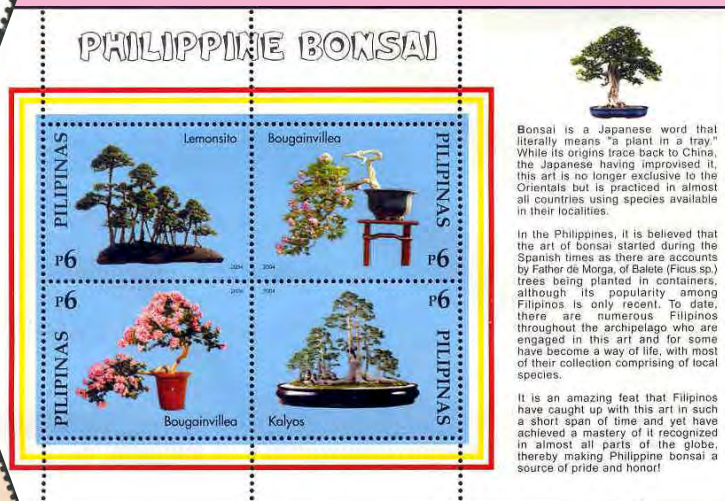


BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA
 JUNE 2021 VOLUME 70 NUMBER 2

Bonsai!



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BIOPHILATELY**Editor**

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

Associate Editors

Christopher E. Dahle *Botany*

Dr. Paul A. Mistretta *Fungi*

4148 Commodore Dr., Atlanta, GA 30341
paulmistretta70@gmail.com

Michael J. Prince *Mammalia*

7 Station Rd, Whitchurch, Hampshire RG28 7EP UK
Michael.Prince@bushinternet.com

Glenn G. Mertz *Ornithology*

625 N. Lafayette St., Allentown, PA 18104
gmertz43@gmail.com

Charles E. Braun *New Birds*

7 Winthrop Drive, Aiken, SC 29803
charlesebraun@gmail.com

Dick Roman *Herpetology*

Dick.Roman@SbcGlobal.Net

J. Dale Shively *Ichthyology*

106 Lazy Lane, San Marcos, TX 78666
jdshively@icloud.com

Vacant *Invertebrate Zoology*

Donald P. Wright, Jr. *Entomology*

429 S. Yellowstone Dr, Apt 300, Madison, WI 53719
don.aa2f@verizon.net

Michael Kogan *Paleontology*

Munich, Germany
admin@paleophilatelie.eu

Vacant *Microbiology*

BIOLOGY UNIT OF ATA

Laurie J. Ryan **President**

4134 Wenbrook Dr, Sharonville, OH 45241
doxiemom7@gmail.com

Glenn G. Mertz **Vice-President**

625 N. Lafayette St., Allentown, PA 18104
gmertz43@gmail.com

Christopher E. Dahle **Secretary/Treasurer**

1401 Linmar Dr. NE, Cedar Rapids, IA 52402
chris-dahle@biophilately.org

Directors

Alan J. Hanks (Ontario) (President Emeritus)

John Pereira (Massachusetts)

Dr. Frederick C. Skvara (New Jersey)

Donald P. Wright, Jr. (Wisconsin)

Dick Roman (Missouri)

Publisher**Librarian**

Mark Reineke

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

Website

www.biophilately.org

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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 editor 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 2021.

FROM THE EDITOR'S DESK

Chris Dahle, BU 1269



The Board of Directors of the Biology Unit has approved yours truly as the editor of **Biophilately**. In this position I will try to uphold the outstanding work done by my predecessor, Jack Congrove. In addition to seeking volunteers from the Biology Unit, there was advertising in the journal of the American Topical Association, **Topical Time**. No one has responded to either solicitation.

Speaking of volunteers, we are still looking for an associate editor to work on Marine Invertebrates. If you are a collector of shells on stamps or sea slugs or anemones, please consider helping out your fellow collectors by doing a new issue column. And if someone would like to work on a Microbiology column, we would welcome that, too.

On the topic of new issues, be sure to read Paul Mistretta's article on legitimate and illegitimate stamps (page 107). He comes at it from the point of view of a mushroom collector, so you might miss it if you don't check out his column on Fungi.

This issue has the first installment of Bonsai on stamps from Roger Cichorz. His comprehensive checklist will continue in the September issue of **Biophilately**. There is a wonderful web site on Bonsai stamps that can be accessed here: <https://www.magiminiland.org/Stamps.html>. Roger was consulted about items shown on the site.

On page 83 you will find the latest news about the Great American Stamp Show to be held in Rosemont (near Chicago's O'Hare Airport) from August 12 through 15. We hope that many of our Biology Unit members will be able to attend the show and to come to the Unit's annual meeting on Saturday August 14. Also please consider volunteering your help at the ATA booth. It will be a joy to get back to normal stamp shows after most were canceled last year. This year's show is a joint one with the American Philatelic Society (APS) the American Topical Association (ATA) and the American First Day Cover Society (AFDCS). The ATA has held two previous shows in conjunction with the APS, the first in Columbus, OH in 2018 and the second in Omaha, NE in 2019. A show with the AFDCS joining the ATA and the APS was supposed to be held in Hartford CT in 2020, but it didn't happen. I missed the Omaha show but the one in Columbus was really fun. Do come to Chicago in August!

DUES RATES (US\$)

US membership \$25

Canada membership \$30

Worldwide membership \$45

On-line membership \$15

Please see the Biology Unit web site (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 Dr NE, Cedar Rapids, IA 52402

ADVERTISING RATES

Full page insertion \$20

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Quarter page insertion \$5

PRESIDENT'S MESSAGE

The last month has been filled with good news. Far more people are getting vaccinated now and hospitalizations have fallen drastically. The mask requirements are easing, especially for vaccinated persons. More and more facilities are opening up, with larger percentage occupancy allowed. Stamp shows are now on the schedule all over the country. So... GASS is happening!! The August show will be held in Rosemont, IL. I hope you can join us there. The Biology Study Unit will be helping man the ATA Mega-booth, for a greater chance of reaching potential new members.



Please join me in congratulating Chris Dahle as our new Biophilately editor. As we have been unable to recruit an editor since the passing of Jack Congrove, Chris has graciously offered to put one more hat on and become the official editor.

The daily temperatures are very warm here in Ohio this week. It will only be a matter of days before the great invasion of Brood X cicadas hit the ground surface. Thousands of cicadas everywhere! I have held off purchasing any new bushes or trees this spring, as I don't want to chance losing them to the cicadas. Also, soon to hit Cincinnati are the hummingbirds. I am getting the feeders all ready in anticipation of their return to Southern Ohio. They can become rather testy if the feeders are not up in time. Enjoy your summer

SECRETARY'S CORNER

ELECTIONS

In this odd-numbered year we need to elect officers for the Biology Unit. All of the officers have agreed to run for re-election. Please consider volunteering for a position in the organization. A ballot is included with this publication.

ANNUAL MEETING

The Biology Unit will have its annual meeting at the Great American Stamp Show (see page 83) in August. We have requested time on Saturday morning. The times for society meetings have not yet been announced. Please see the Show program for details. The annual meeting does not conduct business. It is an informal gathering so we can get to know each other.

New member

Please welcome Paul Dinnel as our newest member.
Paul Dinnel BU#1910 Anacortes, WA collects fish and aquatic/marine fauna.

NEWS OF NOTE**Great American Stamp Show: Chicago 2021**

Statement from Scott D. English, Executive Director – May 15, 2021

Let's Do This!

In March, we announced that we were moving into the next planning phase for the Great American Stamp Show. To make the show financially viable for both dealers and the American Philatelic Society, we needed to meet specific benchmarks. I am pleased to announce we've completed those benchmarks, and the Great American Stamp Show will happen.

We called on our philatelic community to make plans to attend, and the response has been overwhelming! Good news and bad news: Our hotel blocks are filled for both the Embassy Suites and the DoubleTree hotel. If you haven't booked your room yet, we will get additional rooms for those planning to attend.

To the collectors, exhibitors, societies, and dealers who made commitments to attend the show: You made this possible. On behalf of the American Philatelic Society, American Topical Society, and the American First Day Cover Society, thank you for rising to the occasion!

I would like to thank the APS Board of Directors for their faith in our fantastic team here at the APS. There have been so many developments over the past three months, and they've proven agile and responsive. Thank you to our partners at the American Topical Association and the American First Day Cover Society for their trust and support throughout this process. We promise to deliver a show to remember. Thanks to our partners at American Stamp Dealers Association, especially our old friend and colleague, Dana Guyer, for rallying the dealers.

Dates: August 12-15, 2021 Location: Donald E. Stephens Convention Center, Rosemont, IL.

Hosts: [American Philatelic Society](#), [American Topical Association](#), and [American First Day Cover Society](#). Sponsor: [United States Postal Service](#)

UNEXPO 2021, Bellefonte, PA, October 29-30, 2021

United Nations Philatelists, Inc. (UNPI) will hold UNEXPO 2021 at American Philatelic Society (APS) Headquarters in Bellefonte, PA, October 29th and 30th. This stamp show, held in conjunction with the APS, will be the third such show held. The first show has held in State College in 1991, the fiftieth anniversary of UN stamps. The second show was held in 2017 in Bellefonte. The two day show features UN philately, but is open to all. The show will have a WSP exhibit with up to 125 frames of exhibits. The UN Postal Administration will be present, and may have a first day at the show. The show will have a number of talks on varied subjects, APRL tours, dealers featuring material for sale, the UNPI annual meeting, and an awards luncheon. Additionally there will be a specialized UN Auction Held at the exhibition on Saturday afternoon, by H.R. Harmer, New York. Auction lots will also be available for viewing during the entire show. Updates on UNEXPO 2021 will be made on the www.unpi.com website, including the exhibition prospectus and application.

UN philately is a rich and varied specialty. This includes official service stamps issued by the UNPA in New York, Geneva and Vienna, by France, the Netherlands and Switzerland, worldwide topical stamps, postal history of offices, peace keeping missions and conferences of the UN, its agencies and its predecessor organizations, dating back to 1865.

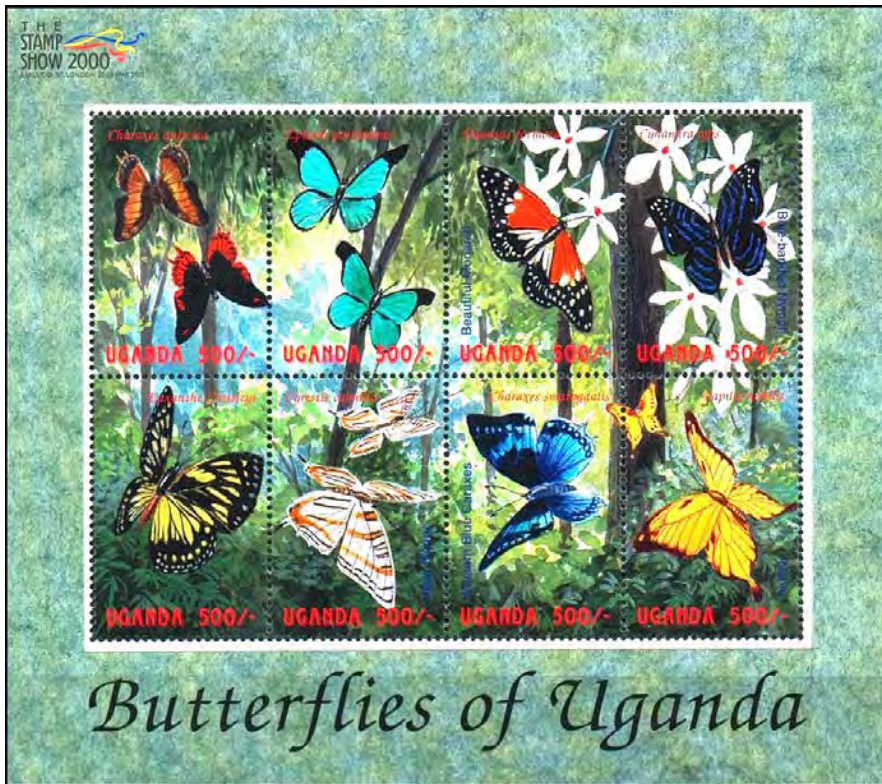


Figure 3 – Miniature sheet of Uganda 2000 (Scott #1649) with fascinating butterflies of Uganda’s Bwindi Impenetrable Forest

and personal with the area’s fascinating butterflies (Figure 3). Exploring this national park on a peaceful forest walk uncovers a host of natural treasures. The forest buzzes with birdsong and insects calls, being one of the top butterfly watching sites in Africa with over 220 species, including 8 endemics (Figure 4).

Unique nature provides an attractive feature of the forest with a profusion of tree ferns, orchids and Bwindi’s colorful array of butterflies (Figure 5). Overall, Bwindi hosts numerous globally threatened species including butterflies such as Cream-banded swallowtail and African giant swallowtail (Figure 6). Bright butterfly *Euphaedra neophron*, or the gold banded forester, which is found in very dense tropical forests as the



Figure 4: Endemic butterfly *Graphium gudenusi* on the souvenir sheet of Uganda 2000 (Scott #1653).

Bwindi Impenetrable National Park.

According to CNN, Bwindi Impenetrable Forest is one of the world’s spectacular places, full of hidden and overt beauty in every corner that shouldn’t miss on a bucket list of one looking for an outstanding adventure on a Uganda Safari.

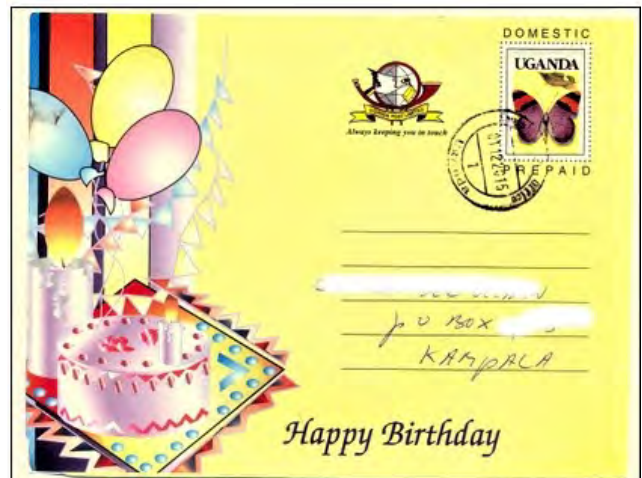


Figure 5: Aerogramme of Uganda 2000 with image of bright butterfly *Euphaedra neophron*, or the gold banded forester, which is found in very dense tropical forests as the Bwindi Impenetrable National Park.



Figure 6: Stamp of Uganda 1984 (Scott #429) with the butterfly the African giant swallowtail or *Papilio antimachus*, which listed at IUCN red list as endangered and threatened.

The Author is ready to help philatelists creating philatelic exhibits on butterflies and moths. His address:

Vladimir Kachan, street Kulibina 9-49, Minsk-52, BY-220052, Republic of Belarus.

E-mail: vladimirkachan@mail.ru

BONSAI STAMPS: A Checklist, Part 1

by Roger Cichorz

This checklist was initially an oral presentation at the January 4, 2006 TOPIC meeting at Rocky Mountain Philatelic Library (RMPL). It was repeated at the February 4, 2017 TOPIC meeting.

“Bone-sigh” is the preferred pronunciation although “bon-sigh” alternate is acceptable. Literal translation: “to cultivate in a tray”. Do not confuse with banzai (“bahn-sigh”), Japanese war cry (during/after WWII had negative connotation)

Bonsai origins: China, exact date unknown but generally thought ~2000 years ago.

Folklore: Han Dynasty (~100BC-100AD) emperor created a miniature landscape in his palace courtyard with hills, valleys, rivers, lakes, and trees to represent the far-reaching extent of his empire.

Chinese termed them penjing/punsai (meaning “singles in pots”). Penjing/punsai introduced into Japan during the Heian Period (794-1191 AD) by Buddhist monks. Japanese turned it into an art form, trying to duplicate the stresses of nature/elements on trees (distressed, aged look via “training”); at first, generally the undertaking of the elite but gradually spread among the general populace. Japanese “compulsion” lead to formalization of rules/styles: upright, slanting, cascade (bent trunk), forest or group (prostrate where branches represent single trees), clump; on/in rocks, on/in driftwood; most of what passes for “bonsais” at commercial outlets are more correctly termed “pre-bonsais” and require training to evolve into a proper bonsai.



Japan Scott # Z542
Crataegus sp.

Japanese style stresses native trees: pines, junipers, maples, and azaleas. The U.S. style is more varied: it is similar to Japanese style, but adds most evergreens, oaks, elms, fruit trees, exotics, non-natives. Bonsais can be cultivated from seeds, seedlings, or “collected” in the wild.



United States Scott #4621
Acer buergerianum

Introduction of bonsai into the West was fairly modern: Japan & China



New Caledonia
Scott #1184
Murraya paniculata

brought bonsais to display at the Third Universal Exhibition (Paris, 1878), then 1889, 1900; first major bonsai exhibition in London was 1909. Westerners thought trees looked “tortured” and voiced their displeasure. At the end of WWII returning Occupation U.S. soldiers brought bonsais back from Japan as souvenirs, but they soon died because they were not cared for properly; interest continued though and turned to Japanese emigrants and Japanese-Americans for advice.

The Denver Bonsai Club hosts annual Bonsai Show at the Denver Botanic Gardens on Father’s Day weekend; has gorgeous (“museum-quality”) displays, “how-to” classes, lectures, experts available to answer general questions or specifics about exhibits, and commercial retail source.

Bonsai people have competitive shows and exhibits, just like stamp shows!

American Topical Association Bonsai Checklist Shortcomings:

There are several catalogue number, date, and species identification errors. Also naming and identification inconsistencies (primarily uses Scott identification versus various country specialized catalogues).

It includes bonsais (actual and stylized in art, paintings and tapestries), but also includes stamps depicting “trees with bonsai appearance or effect”; this is my major objection because the list only includes a small percentage of the stamps showing these trees that could qualify. So, where does one draw the line in including these in such a listing? Include all or none! Also, trees in nature do not resemble bonsais; it is vice-versa where bonsais are “trained” to resemble the actual distressed trees found in nature.

My Bonsai Checklist uses the species names given on the stamps as I assume the designation is correct. From there, trivial (popular) or scientific names are researched from the given name and cross-referenced. I divide my Checklist into stamps depicting specific bonsais and into those with artwork showing stylized bonsais (and include non-Scott-listed items in a separate section). As a concession to ATA’s Checklist and for the sake of completeness, I also include as a subsection the items the ATA Checklist lists as “resembling bonsais” but have made no effort to expand it despite its shortcomings because (as I stated earlier) distressed-appearing trees in nature are not bonsais!



San Marino Scott #1601
Pinus thunbergii

Part 2 will appear in a forthcoming issue of **Biophilately**.

Part 2b: Stamps Depicting Trees with Bonsai Appearance or Effect (ATA Bonsai List)

China (PRC) Scott 1901-1903 (top row), Scott 1903 shows shrub planted on rock

China (ROC) Scott 1835-1840 (other side)

Scott 1835e shows two potted bonsais, Scott 1835c&d shows Ladies Watering Peonies,

Scott 1838a shows potted bonsais, Scott 1836 shows part Ladies Watering Peonies

China (ROC) Scott 2030-2032 (second row), Chinese paintings of trees growing out of rocks

China (ROC) Scott 2175-2178 (third row), Chinese paintings of trees

China (ROC) Scott 2439-2441 and China (ROC) Scott 2495-2500 (fourth row), flora

Don't have: China (PRC) Scott 1904 S/S, China (ROC) 2441a

Japan Scott 1001-1003 (top row), Scott 1003 (50y) shows Cypresses

Japan Scott 1071 (top row), shows aged and gnarled pine tree

Japan Scott 1282-1283 (second row), Scott 1282 (50y) shows aged and gnarled pine and flowers

Japan Scott B34-B35 (second row), Scott B35 (50y + 10y) shows aged and gnarled cherry blossoms

Japan Scott 1012-1015 (third row), Scott 1013 shows potted bonsai (not on ATA List)

Korea (ROK/South) Scott 781a, 784a (top row), 786a (second row)

Scott 786a shows Man and Boy Under Pine Tree (aged and gnarled pine tree)

Korea (ROK/South) Scott 781-786, Scott 786 = Man and Boy Under Pine Tree (aged and gnarled pine tree)

Korea (ROK/South) Scott 1210-1211, Scott 1210 shows Pine Tree (aged and gnarled pine tree)

Mulawin aso

Confusion on this species: I originally thought it was the molave tree (*Vitex parviflora*), but the “Bonsai in the Philippines” site (www.wildbonsai.com/bonsai-in-the-philippines.htm) lists it as *Gmelina elliptica* and mulawin daga as *Vitex sp.*

The *Gmelina elliptica* is a thorny seaside shrub, so I question this site’s identification and am inclined to go with a *Vitex species*; however, Indonesia (Scott #1425) depicted *Gmelina elliptica* as a bonsai tree, so I will go with this site’s identification.

A book on Philippine forestry indicates mulawin aso is a generic name for softwood molave trees:

A number of woods in the Philippines pass under the name mulawin aso and female molave as opposed to the hard molave (mulawin-bato) or male molave. The names male and female, of course, are only names for designating hard from soft molave ... There are a number of distinct species in this family that do have the general name mulawin-aso. One of the most important of these is the kalipapa-aso or mulawin-aso (*Vitex pentaphylla*), which is a medium size tree usually found scattered in rich bottoms. Another is lingo-lingo or mulawin-aso (*Vitex turczaninowii*)... A third species is alagao or mulawin-aso (*Premna nauseosa*).



Viet Nam Scott #3226
Ficus pilosa

A website which gives a primer on Phillipine plants lists mualuin-aso as *Premna integrifolia* Blanco.

Table 1: Stamps with Designs Depicting Actual Bonsai Plants

Country	Scott #	Date	Description
China (ROC/Taiwan)	2481-84	09/22/85	First bonsai series
	2481		\$2, cork oak (<i>Quercus suber</i>)
	2482		\$5, five-needle pine (<i>Pinus parviflora</i>)
	2483		\$8, lohan pine (<i>Pinus lohan</i>)
	2484		\$18, banyan (<i>Ficus benghalensis</i>)
China (ROC/Taiwan)	2588-91	06/19/87	4 different floral arrangements by Huang Yung-ch'uan
	2591		\$10, camellia bonsai (<i>Camellia japonica</i>)
China (ROC/Taiwan)	2729-32	07/20/90	Second bonsai series
	2729		\$3, <i>Pinus thunbergii</i> (Japanese black pine) – windswept
	2730		\$6.50, <i>Ehretia buxifolia</i> (Fukien tea) – cascading
	2731		\$12, <i>Buxus harlandii</i> (Japanese boxwood) – upright
	2732		\$16, <i>Celtis sinensis</i> (Chinese hackberry) – forest
China (PRC)	1665-70		Miniature landscapes, set of six
	1665		4f, Chinese elm (<i>Ulmus parvifolia</i>)
	1666		8f, Chinese juniper (<i>Juniperus chinensis</i> v. <i>procumbens</i>)
	1667		8f, maidenhair tree (<i>Ginkgo biloba</i>)
	1668		10f, Chinese juniper (<i>Juniperus chinensis</i> v. <i>sargentii</i> /J. x <i>media</i>)
	1669		20f, kaki persimmon (<i>Diospyros kaki</i>)
	1670		60f, Meyer juniper (<i>Juniperus squamata</i>)
China (PRC)	2665-70	04/18/96	Penjing (Chinese tray landscapes of plants attached to rocks) six stamps in three se-tenant pairs
	2665-66a		20f x 2, "Green Scenery of Lijiang and Glistening Divine Peak"

Table 1: Stamps with Designs Depicting Actual Bonsai Plants (Continued)

Country	Scott #	Date	Description
China (PRC)	2667-68a	04/18/96	50f x 2, "Melting Snow Overflows River and Eagle Beak"-Shaped Peculiar Rock
	2669-70a		100f x 2, "The Most Uncommon Years and Months of One's Life and Peaks Rising in Rosy Clouds"
Ghana	1386	02/16/92	200ce, <i>Juniperus sp.</i> (juniper)
Hong Kong	1040	07/17/03	\$1.40, Fukien tea (<i>Ehretia buxifolia</i>) – semi-cascade
	1041		\$2.40, hedge sageretia/Chinese sweet plum (<i>Sageretia thea/Sageretia theezans</i>) – informal upright
	1042		\$3, firethorn (<i>Pyracantha coccinea</i>) – cascade
	1043		\$5, Chinese hackberry (<i>Celtis sinensis</i>) – root on rock
Indonesia	1424-26	03/01/90	Flora '90 set of two + SS
	1424		75r, <i>Mammillaria gracilis</i> v. <i>fragilis</i> (mammillaria/Arizona snowcap)
	1425		1000r, <i>Gmelina elliptica</i> (common bulang/bulangan)
	1426		1500r, SS, <i>Gmelina elliptica</i> (common bulang/bulangan)
Japan	1826	04/06/89	1989 World Bonsai Convention, Omiya, Japan
	1826		¥62, Shimpaku juniper (<i>Juniperus chinensis sargentii</i> variant)
	1826var		¥62, with mihon overprint
Japan	Z542	04/26/02	¥80 Saitama prefecture issue , <i>Crataegus sp.</i> (hawthorn)
	Z542var		¥80, with mihon overprint
Maldives	1456-65	1990-91	Expo '90, two sets of four + 2 SS
	1456		20l, winged euonymus (<i>Euonymus alatus</i>)
	1457		50r, Japanese black pine (<i>Pinus thunbergiana</i>)
	1458		1r, Japanese five-needle pine (<i>Pinus parviflora</i>)
	1459		3.50r, flowering quince (<i>Chaenomeles lagenaria</i>)
	1460		5r, Chinese elm (<i>Ulmus parvifolia</i>)
	1461		8r, Japanese persimmon (<i>Diospyros kaki</i>)
	1462		10r, Japanese wisteria (<i>Wisteria floribunda</i>)
	1463		12r, Satsuki azalea (<i>Rhododendron indicum</i>)
	1464		20r, SS, Sargent juniper (<i>Juniperus chinensis sargentii</i>)
	1465		20r, SS, trident maple (<i>Acer buergerianum</i>)
Monaco	1942	04/03/95	European Bonsai Congress , 6fr <i>Acer palmatum</i> (Japanese maple)

Table 1: Stamps with Designs Depicting Actual Bonsai Plants (Continued)

Country	Scott #	Date	Description
New Caledonia	1184	09/17/14 10/06/14	150f, <i>Murraya paniculata</i> (orange jasmine) – moyogi (twisted trunk) “17.09.14” pane inscription, but Scott lists FDI as 10/6/14
Philippines	2915	07/27/04	Sheet of 16 (eight different stamps, 4 x 4 format), Philippine bonsais
	2915a		6p, bantigue (<i>Pemphis acidula</i>) – stamps 3 & 9
	2915b		6p, kamuning binangonan (<i>Murraya exotica</i>) – stamps 4 & 10
	2915c		6p, balete/fig tree (<i>Ficus sp.</i>) – stamps 1 & 11
	2915d		6p, mulawin aso (<i>Gmelina elliptica</i>) – stamps 2 & 12
	2915e		6p, kamuning binangonan (<i>Murraya exotica</i>) – stamps 7 & 13
	2915f		6p, logwood (<i>Haematoxylon campechianum</i>) – stamps 8 & 14
	2915g		6p, kamuning binangonan (<i>Murraya exotica</i>) – stamps 5 & 15
	2915h		6p, bantolinao (<i>Maba buxifolia</i>) – stamps 6 & 16
Philippines	2916	07/27/04	Sheet of 16 (eight different stamps, 4 x 4 format), Philippine bonsais
	2916a		6p, bantigue (<i>Pemphis acidula</i>) – stamps 3 & 9
	2916b		6p, Chinese elm (<i>Ulmus parvifolia</i>) – stamps 4 & 10
	2916c		6p, bantigue (<i>Pemphis acidula</i>) – stamps 1 & 11
	2916d		6p, bantigue (<i>Pemphis acidula</i>) – stamps 2 & 12
	2916e		6p, balete/fig tree (<i>Ficus sp.</i>) – stamps 7 & 13
	2916f		6p, balete/fig tree (<i>Ficus sp.</i>) – stamps 8 & 14
	2916g		6p, bantigue (<i>Pemphis acidula</i>) – stamps 5 & 15
	2916h		6p, manzanita/bearberry (<i>Arctostaphylos uva-ursi</i>) – stamps 6 & 16
Philippines	2917	07/27/04	Sheetlet of four (four different stamps), Philippine bonsais
	2917a		6p, lemonsito/limeberry (<i>Triphasia trifolia</i>)
	2917b		6p, bougainvillea (<i>Bougainvillea sp.</i>)
	2917c		6p, bougainvillea (<i>Bougainvillea sp.</i>)
	2917d		6p, kalyos/sleekrodea/toothbrush tree (<i>Streblus asper</i>)

Table 1: Stamps with Designs Depicting Actual Bonsai Plants (Continued)

Country	Scott #	Date	Description
Philippines	2918	08/28/04	World Stamp Championship 2004, sheetlet of four, Philippines bonsais (stamps as Scott 2917 but background differs)
	2918a		6p, lemonsito/limeberry (<i>Triphasia trifolia</i>)
	2918b		6p, bougainvillea (<i>Bougainvillea sp.</i>)
	2918c		6p, bougainvillea (<i>Bougainvillea sp.</i>)
	2918d		3p, kalyos/sleekrodea/toothbrush tree (<i>Streblus asper</i>)
Philippines	3174	10/17/08	Sheet of 16 (eight different stamps, 4 x 4 in horizontal format, depicting Philippine bonsais), commemorating the 35th Anniversary (1973-2008) of the Philippine Bonsai Society, Inc.
	3174a		7p, bantigue (<i>Pemphis acidula</i>) – stamps 1 & 9
	3174b		7p, balete/laurel fig/Chinese banyan (<i>Ficus microcarpa</i>) – stamps 2 & 10
	3174c		7p, serissa/snow rose/tree of a thousand stars (<i>Serissa foetida</i>) – stamps 3 & 11
	3174d		7p, bantigue (<i>Pemphis acidula</i>) – stamps 7 & 15
	3174e		7p, bantigue (<i>Pemphis acidula</i>) – stamps 5 & 13
	3174f		7p, lemonsito/limeberry (<i>Triphasia trifolia</i>) – stamps 6 & 14
	3174g		7p, bantigue (<i>Pemphis acidula</i>) – stamps 5 & 13
	3174h		7p, bogambilya/ bougainvillea (<i>Bougainvillea sp.</i>) – stamps 8 & 16
Philippines	3175	10/17/08	Sheet of 16 (eight different stamps, 4 x 4 in vertical format, depicting Philippine bonsais), commemorating the 35th Anniversary (1973-2008) of the Philippine Bonsai Society, Inc.
	3175a		7p, kamuning bilog (<i>Murraya sp.</i>) – stamps 1 & 9
	3175b		7p, bantigue (<i>Pemphis acidula</i>) – stamps 2 & 10
	3175c		7p, bantigue (<i>Pemphis acidula</i>) – stamps 3 & 11
	3175d		7p, bantigue (<i>Pemphis acidula</i>) – stamps 4 & 12
	3175e		7p, bantigue (<i>Pemphis acidula</i>) – stamps 5 & 13
	3175f		7p, bignay/Chinese laurel (<i>Antidesma bunius</i>) – stamps 6 & 14
	3175g		7p, bantulinaw/bantolinao (<i>Maba buxifolia</i>) – stamps 7 & 15
	3175h		7p, red balete (<i>Ficus concinna</i>) – stamps 8 & 16

Table 1: Stamps with Designs Depicting Actual Bonsai Plants (Continued)

Country	Scott #	Date	Description
Philippines	3176	10/17/08	Sheetlet of four (four different stamps, 2 x 2 in horizontal format, depicting Philippine bonsais), commemorating the 35th Anniversary (1973-2008) of the Philippine Bonsai Society, Inc.
	3176a		7p, melindres (<i>Lagerstroemia indica</i>)
	3176b		7p, bantigue (<i>Pemphis acidula</i>)
	3176c		7p, mulawin daga/molave tree (<i>Vitex sp.</i>)
	3176d		7p, santan/Chinese ixora (<i>Ixora chinensis</i>)
San Marino	1438-41	03/27/99	Bonsai '99, San Marino Bonsai Exhibition
	1438		50l, <i>Pinus mugo</i> (mugo pine/mountain pine)
	1439		300l, <i>Olea europaea</i> (European olive)
	1440		350l, <i>Pinus sylvestris</i> (Scotch pine)
	1441		500l, <i>Quercus robur</i> (English oak/pedunculate oak)
San Marino	1801-02	04/16/04	Bonsai 2004, European Bonsai Congress, set of two
	1801		45l, <i>Pinus thunbergii</i> (Japanese black pine)
	1802		60l, <i>Pinus mugo</i> (mugo pine/mountain pine)
Thailand	971-74	10/04/81	International Letter Writing Week, dwarfed trees
	971		75s, mai hok-hian (dwarfed tree with its branches curved down and turned up vertically or revolved around the trunk)
	972		2b, mai kam-ma-lo (dwarfed tree with its branches curved down except turned upwards at the top)
	973		2.75b, mai khen/merawen bunga (<i>Hopea pubescens</i>) (dwarfed tree with its branches spread out in three different directions)
	974		5b, mai khabuan (dwarfed tree with its branches curved up in a zig-zag manner)
Thailand	1829	09/15/98	2b, bonsai at left of statue, perf. 14 x 14½
	1830		2b, bonsai at left of statue, perf. 14 x 14½
	1831		10b, bonsai at right of statue, perf. 14 x 14½
	1832		10b, bonsais at both sides of statue, perf. 14 x 14½
	1832a		Souvenir sheet of four (#1829-32, perf. 13¼)
United States	4618-22	01/23/12	Bonsai Trees
	4618		Forever (45¢), Sierra juniper (<i>Juniperus occidentalis</i>) – semi-cascade
	4619		Forever (45¢), black pine (<i>Pinus jeffreyi</i>) – formal upright

Table 1: Stamps with Designs Depicting Actual Bonsai Plants (Continued)

Country	Scott #	Date	Description
United States	4620	01/26/12	Forever (45¢), banyan (<i>Ficus benghalensis</i>) - cascade
	4621		Forever (45¢), trident maple (<i>Acer buergerianum</i>) – informal upright
	4622		Forever (45¢), azalea (<i>Rhododendron arborescens</i>) – multiple trunk
	4622b		Booklet pane of 20, five each #4618-4622
Viet Nam	1633-40	06/16/86	First bonsai series, set of seven + SS
	1633		1d, <i>Ficus glomerata</i> (cluster fig)
	1634		1d, <i>Ficus benjamina</i> (Benjamin tree/Java tree)
	1635		2d, <i>Ulmus tonkinensis</i> (<i>Ulmus lanceifolia</i> type elm with exfoliating bark indigenous to North Vietnam and Western China)
	1636		3d, <i>Prunus persica/Persica vulgaris</i> (peach tree)
	1637		3d, <i>Streblus asper</i> (sleekrodea/kalyos/toothbrush tree)
	1638		5d, <i>Pinus khasya/Pinus kesiya</i> (banguet pine/Khasya pine)
	1639		5d, <i>Podocarpus macrophyllus</i> (Chinese podocarpus/shrubby yew/plum pine)
	1640		10d, SS, <i>Serissa foetida</i> (evergreen, tree of a thousand stars)
	1633-40var		Set of seven + SS, with “Specimen” overprint
	1633-40imp		Set of seven + SS, imperforate
Viet Nam	2812-18	03/02/98	Second bonsai series, set of six + SS
	2812		400d, <i>Limonia acidissima</i> (Indian wood apple)
	2813		400d, <i>Deeringia polysperma</i>
	2814		400d, <i>Pinus merkusii</i> (Sumatran pine)
	2815		4000d, <i>Barringtonia acutangula</i> (wild almond/kandu almond)
	2816		6000d, <i>Ficus elastica</i> (Indian rubber plant)
	2817		10,000d, <i>Wrightia religiosa</i> (wild water plum/water jasmine)
	2818		14,000d, SS, <i>Adenium obesum</i> (desert rose/pink sabi star/mock azalea)
	2812-18var		Set of six + SS, with “Specimen” overprint

Table 1: Stamps with Designs Depicting Actual Bonsai Plants (Continued)

Country	Scott #	Date	Description
Viet Nam	2812-18imp	03/02/98	Set of six + SS, imperforate
Viet Nam	3224-27	07/01/04	Third bonsai series, set of four
	3224		800d, <i>Ficus microcarpa</i> (laurel fig/Chinese banyan)
	3225		2000d, <i>Premna serratifolia</i> (headache tree)
	3226		3000d, <i>Ficus pilosa/Ficus drupacea</i> (brown-wooly fig)
	3227		8000d, <i>Ficus religiosa</i> (bodhi tree/bo-tree/peepul tree)
	3224-27var		Set of four, with "Specimen" overprint
	3224-27imp		Set of four, imperforate

*The author is a member of ATA and its Topic (ATA #76) Chapter, and besides bonsais, his topical interests are puffins and Abbott Pentothal "Dear Doctor" postcards. Roger is a life member of APS/APRL and MEPSI, and longtime member of the Scandinavian Collectors Club, Channel Islands Specialists Society, Lundy Collectors Club UK Chapter, Cinderella Stamp Club (London), Philatelic Writers Unit, AAPE, Rocky Mountain Philatelic Library, and Collectors Club (Denver). His collecting passions include the postal history of Åland, Faroes, Lundy, and Herm Island. Roger presently is serving as acting librarian of the SCC Library in Denver, Topic President, and a regular columnist and article contributor for SCC's quarterly, **The Posthorn**.*

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BOTANY

Editor

Christopher E. Dahle BU 1269



Scott #	Denom	Common Name	Botanical Name	Family	Code
ASCENSION					
2020 December 22 (Island scenes, flora & fauna) Set/12					
1228	£1	Ascension lily,	<i>Hippeastrum reginae</i>	Liliaceae	Fl A
BAHAMAS					
2020 November 12 (Medicinal Plants) Set/6					
1515	15c	Boar hog bush,	<i>Callicarpa hitchcockii</i>	Lamiaceae	Fl A
1516	25c	Mexican prickly poppy,	<i>Argemone mexicana</i>	Papaveraceae	Fl A
1517	50c	Hollywood,	<i>Guaiacum sanctum</i>	Zygophyllaceae	Fl A
1518	65c	Snake Root, Bitter Bush,	<i>Picramnia pentandra</i>	Picramniaceae	Fl A
1519	70c	White tabebuia,	<i>Tabebuia bahamensis</i>	Bignoniaceae	Fl A
1520	\$1	Large-leaved cassia,	<i>Caesalpinia vesicaria</i>	Fabaceae	Fl A
BELARUS					
2020 July 1 (Vegetable caricatures and animals) Set/14					
1186	1k	Cucumber & snail,	<i>Cucumis sativus</i>	Cucurbitaceae	Fr A
1187	2k	Eggplant & mouse,	<i>Solanum melongena</i>	Solanaceae	Fr A
1188	5k	Carrot & bee,	<i>Daucus carota</i>	Apiaceae	V A
1189	10k	Radish & insect,	<i>Raphanus sativus</i>	Brassicaceae	V A
1190	20k	Tomato & dragonfly,	<i>Lycopersicon esculentum</i>	Solanaceae	Fr A
1191	30k	Onion & spider,	<i>Allium cepa</i>	Amaryllidaceae	V A
1192	50k	Garlic & ant,	<i>Allium sativum</i>	Amaryllidaceae	V A
1193	A (54k)	Potato & caterpillar,	<i>Solanum tuberosum</i>	Solanaceae	V A
1194	1r	Cabbage & butterfly,	<i>Brassica oleracea</i>	Brassicaceae	V A
1195	N (1.50r)	Radish & insect,	<i>Raphanus sativus</i>	Brassicaceae	V A
1196	M (1.74r)	Beet & bee,	<i>Beta vulgaris</i>	Amaranthaceae	V A
1197	H (1.86r)	Peas & grasshopper,	<i>Pisum sativum</i>	Fabaceae	Fr A
1198	2r	Pepper & butterfly,	<i>Capsicum annuum</i>	Solanaceae	Fr A
1199	P (2.04r)	Pumpkin & butterfly,	<i>Cucurbita pepo</i>	Cucurbitaceae	Fr A
1199a		Sheet of 14 + label			
COLOMBIA					
2020 September 29 (Colombian Parks) Sheet/8					
1548		Sheet of 8			
1548d	2000p	Las Orquideas Nat. Natural Park:	<i>Otoglossum scansor</i>	Orchidaceae	Fl A MS
CYPRUS					
2020 July 9 Single					
1340	64c	Taro stew,	<i>Colocasia esculenta</i>	Araceae	V B
FINLAND					
2020 May 6 Pair					
1610		Horiz pair			
1610b	(€1.60)	Stylized tree			T A S

FINLAND (continued)**2020, June 3** (Intl. Year of Plant Health) Set/8

1614	(€1.60) Buttercup, <i>Ranunculus repens</i>	Ranunculaceae	Fl A
1615	(€1.60) Red clover, <i>Trifolium pratense</i>	Fabaceae	Fl A
1616	(€1.60) Ox-eye daisy, <i>Leucanthemum vulgare</i>	Asteraceae	Fl A
1617	(€1.60) Wood cranes-bill, <i>Geranium sylvaticum</i>	Geraniaceae	Fl A
1618	(€1.60) Common hepatica, <i>Hepatica triloba</i>	Ranunculaceae	Fl A
1619	(€1.60) Lily of the valley, <i>Convallaria majalis</i>	Asparagaceae	Fl A
1620	(€1.60) Wild pansy, <i>Viola tricolor</i>	Violaceae	Fl A
1621	(€1.60) Harebell, <i>Campanula rotundifolia</i>	Campanulaceae	Fl A
1621a	Horiz. coil strip of 8		

Åland**2020, September 4** (Marienhamn Esplanade) Set/4

436	Block of 4		
436a	(€1.50) Lime trees in Autumn, <i>Tilia x europaea</i>	Malvaceae	T A
436b	(€1.50) Same view in Winter		
436c	(€1.50) Same view in Spring		
436d	(€1.50) Same view in Summer		
436e	Bklt pane of 8		

FRANCE**2020 June 12** (Flowers used for Perfumes) Single, MS/4

5846	97c	Rose de Mai, <i>Rosa x centifolia</i>	Rosaceae	Fl A
5847		Sheet of 3		
5847a	97c	Tuberose, Tubéreuse, <i>Polianthes tuberosa</i>	Asparagaceae	Fl A MS
5847b	97c	Violet, violette, <i>Viola odorata</i>	Violaceae	Fl A MS
5847c	97c	Orange blossom, fleur d'oranger, <i>Citrus sinensis</i>	Rutaceae	Fl A MS

2020 June 26 (GR20 hiking Trail 50 y) SS/1

5863	€1.16	Rowan trees, <i>Sorbus acuparia</i>	Rosaceae	Fr B SS Z
		Crocus, <i>Crocus versa</i>	Iridaceae	Fr B SS Z

2020 September 11 (Jobs) Set/12

5909	(97c)	Farm worker, unidentified plants		V B U
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FRENCH SOUTHERN & ANTARCTIC TERR.**2020 November 1** (50y FSAT) Set/5

637	€1.05	Stylized club moss, <i>Lycopodium sp.</i>	Lycopodiaceae	V B
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GAMBIA**2020 September 30** (Chinese ptg by Yuhua Shouzi Wang) Sheet/3, SS/1

3874a	50d	Basket of flowers		Fl U A
3874b	100d	Flowers		Fl U A
3874c	150d	Basket of flowers		Fl U A
3875	200d	Flowers		Fl U A

GREAT BRITAIN**England****2020 December 23** (Oak type of 2018)

43	£1.70	Oak, <i>Quercus robur</i>	Fagaceae	T A
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Scotland**2020 December 23** (Thistle type of 2018)

57	£1.70	Thistle, <i>Onopordum acanthium</i>	Asteraceae	Fl A
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Wales & Monmouthshire**2020 December 23** (Daffodil type of 2018)

57	£1.70	Daffodil, <i>Narcissus pseudonarcissus</i>	Amaryllidaceae	Fl A
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INDIA		2020 March 16 (UNESCO World Heritage sites)	Set/5, SS/1	
3215	5r	Flower, Nanda Devi and Valley of the Flowers Nat. Pk		Fl B U
3215a		Perf 13 1/4 x13 1/2		
3217b		Souvenir sheet of 5, #3213a-3217a		
INDONESIA		2019 November 5 (Flora and Fauna)	Set/6, SS/2	
2513a	3000r	Sarangan, <i>Castanopsis</i> (= <i>Castanea</i>) <i>argentea</i>	Fagaceae	Fr A
2513b	3000	<i>Amorphophallus gigas</i>	Araceae	Fl A
2513c	3000r	<i>Rafflesia kemumu</i>	Rafflesiaceae	Fl A
2515a	10,000r	<i>Begonia balgooyi</i>	Begoniaceae	Fl A SS
IRAN		2020 (Nowruz)	Set/2	
3216a	18,000r	Purple flowers		Fl A U
3216b	18,000r	White flowers		Fl A U
ISRAEL		2021 February 9 (Agricultural Res. Org. Volcani Center, 100y)		Single
2279	5s	Mandarin orange, <i>Citrus reticulata</i>	Rutaceae	Fr A
JAPAN		2019 September 3 (Lottery prize)	SS/2	
4628b	¥84	Plum blossoms, <i>Prunus mume</i>	Rosaceae	Fl A
		2020 April 15	Single	
4387	¥63	Stylized tree		T A S
		2020 October 9 (Int. Letter Writing Week, Prints by Hokusai)		Set/5
4443	¥7	Detail: Peonies & Canary, <i>Paeonia officinalis</i>	Paeoniaceae	Fl B
4444	¥70	Detail: Peonies & Canary, <i>Paeonia officinalis</i>	Paeoniaceae	Fl B
		2020 October 16 (Art)	Set/20	
4449		Sheet of 10		
4449j		Ptg: Monet "Peony garden" <i>Paeonia officinalis</i>	Paeoniaceae	Fl A
		2020 November 11 (Foods)	Set/20	
4456		Sheet of 10		
4456b	¥63	Melon, <i>Cucurbita melo</i>	Cucurbitaceae	Fr A
		Blue honeysuckle, <i>Lonicera caerulea</i>	Caprifoliaceae	Fl A
4456i	¥63	Grilled corn, <i>Zea mays</i>	Poaceae	Fr A
		Potato, <i>Solanum tuberosum</i>	Solanaceae	V A
		2020 December 14 (Hospitality Flowers 14)	Set/10	
4465		Sheet of 10, 2 each		
4465a	¥63	Forsythia, <i>Forsythia x intermedia</i>	Oleaceae	Fl A
4465b	¥63	Anemones, <i>Anemone coronaria</i>	Ranunculaceae	Fl A
4465c	¥63	Coralberry, <i>Symphoricarpos orbiculatus</i>	Caprifoliaceae	Fr A
4465d	¥63	Narcissus, <i>Narcissus pseudonarcissus</i>	Amaryllidaceae	Fl A
4465e	¥63	Roses, <i>Rosa x hybrida</i>	Rosaceae	Fl A
4466		Sheet of 10, 2 each		
4466a	¥84	Magnolia, <i>Magnolia sp.</i>	Magnoliaceae	Fl A
4466b	¥84	Poppies, <i>Papaver orientalis</i>	Papaveraceae	Fl A
4466c	¥84	Plum blossoms, <i>Prunus mume</i>	Rosaceae	Fl A
4466d	¥84	Cherry blossoms, <i>Prunus serotina</i>	Rosaceae	Fl A
4466e	¥84	Rapeseed, <i>Brassica napus</i>	Brassicaceae	Fl A
		Peach blossoms, <i>Prunus persica</i>	Rosaceae	Fl A

KAZAKHSTAN		2020 October 21 (Flora & Fauna of West Altai Nature Reserve)	Sheet/3
932c	500te	Raspberry, <i>Rubus idaeus</i>	Rosaceae Fr A MS
SOUTH KOREA		2019 July 1	Set/2
2552	470w	Rose of Sharon, <i>Hibiscus syriacus</i>	Malvaceae Fl A
KOSOVO		2020 May 10 (Flora)	Mini sheet/5
438		Sheet of 10, 2 each	
438a	30c	Burnet, <i>Sanguisorba albanica</i>	Rosaceae Fl A
438b	40c	Yew, <i>Taxus baccata</i>	Taxaceae Fr A
438c	50c	Hen and chicks, <i>Sempervivum kosanini</i>	Crassulaceae Fl A
438d	60c	<i>Halacsya sendtneri</i>	Boraginaceae Fl A
438e	90c	<i>Primula halleri</i>	Primulaceae Fl A
LIBERIA		2019 September 29 (Flowers)	Sheet/6, SS/4
3339a	\$80	Tiger lily, <i>Lilium tigrinum</i>	Liliaceae Fl A
3339b	\$90	Pink flamingo, <i>Anthurium andreaeanum</i>	Araceae Fl A
3339c	\$100	Magenta orchid	Orchidaceae Fl A U
3339d	\$200	Buttercup, <i>Ranunculus acris</i>	Ranunculaceae Fl A
3339e	\$300	White lotus, <i>Nymphaea lotus</i>	Nymphaeaceae Fl A
3339f	\$400	Red hibiscus, <i>Hibiscus rosa-sinensis</i>	Malvaceae Fl A
3340a	\$100	Pink daisy, <i>Chrysanthemum sp.</i>	Asteraceae Fl A SS
3340b	\$200	White tulip, <i>Tulipa x hybrida</i>	Liliaceae Fl A SS
3340c	\$300	Morning glory, <i>Ipomoea purpurea</i>	Convolvulaceae Fl A SS
3340d	\$400	Rose, <i>Rosa x hybrida</i>	Rosaceae Fl A SS
		2020 January 6 (Orchids)	Set/6, SS/1
3348a	\$200	Cane orchid, <i>Dendrobium speciosum</i>	Orchidaceae Fl A
3348b	\$200	"Pink Puma" orchid, <i>Cymbidium Enzan Knuckle 'Pink Puma'</i>	Orchidaceae Fl A
3348c	\$200	Fairy slipper, <i>Calypso bulbosa</i>	Orchidaceae Fl A
3348d	\$200	Tongue orchid, <i>Serapias lingua</i>	Orchidaceae Fl A
3348e	\$200	"Yen Jitt" orchid, <i>Rhyncholaeliocattleya Vasin "Yen Jitt"</i>	Orchidaceae Fl A
3348f	\$200	Greater butterfly orchid, <i>Platanthera chlorantha</i>	Orchidaceae Fl A
3354	\$1200	Lady's slipper, <i>Cypripedium calceolus</i>	Orchidaceae Fl A SS
		In margin: <i>Laelia anceps</i>	Orchidaceae Fl A SS Z
		Unidentified orchid	Orchidaceae Fl A SS Z
		2020 March 26 (Tulips and windmills)	Set/4, SS/2
3405a	\$300	Tulips, <i>Tulipa x hybrida</i>	Liliaceae t Fl B MS
3405b	\$300	Same species	Fl B MS
3405c	\$300	Same species	Fl B MS
3405d	\$300	Same species	Fl B MS
3420a	\$600	Same species	Fl B SS
3420b	\$600	Same species	Fl B SS
MALDIVE ISLANDS		2017 June 21 (Ptg of Flowers)	Set/4, SS/1
3964a	22r	Renoir: "Flowers in a Vase"	Fl A U
3964b	22r	Manet: "Flowers in a Crystal Vase"	Fl A U
3964c	22r	Van Gogh: "Irises", <i>Iris sp.</i>	Iridaceae Fl A

MALDIVE ISLANDS (continued)

3964d	22r	Heade: "Orchids and Hummingbirds", <i>Cattleya sp.</i>	Orchidaceae	Fl B U
3974	60r	Van Gogh: "Vase with Viscaria", <i>Viscaria vulgaris</i>	Caryophyllaceae	Fl A SS
		In margin: Van Gogh: "Sunflowers", <i>Helianthus annuus</i>	Asteraceae	Fl A SS Z

2017 September 26 (Orchids) Set/4, SS/1

4006a	22r	<i>Phalaenopsis</i> 'Liodoro'	Orchidaceae	Fl A
4006b	22r	<i>Dendrobium bellatulum</i>	Orchidaceae	Fl A
4006c	22r	<i>Phalaenopsis</i> 'Nivacolor'	Orchidaceae	Fl A
4006d	22r	Lady's slipper, <i>Cypripedium calceolus</i>	Orchidaceae	Fl A
4015	60r	Porcelain orchid, <i>Chloraea magellanica</i>	Orchidaceae	Fl A SS
		In margin: <i>Gavilea supralabellata</i>	Orchidaceae	Fl A SS Z
		<i>Dendrobium nobile</i>	Orchidaceae	Fl A SS Z

2018 March 15 (Post-Impressionist Painters) Set/4, SS/1

4050b	20r	Van Gogh: "Three Sunflowers in a Vase", <i>Helianthus annuus</i>	Asteraceae	Fl A
4065	60r	Van Gogh: "Wheat Field with Cypresses", <i>Triticum aestivum</i>	Poaceae	V A SS Z
		<i>Cupressus sempervirens</i>	Cupressaceae	T B SS Z

2018 May 10 (Gandhi) Set/4, SS/1

4086d	22r	Gandhi and lotus flower, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl B
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MAURITIUS **2020 September 24** (Diplomatic relations with Australia 50y) Single

1204	33r	Wattle, <i>Acacia pyracantha</i>	Fabaceae	Fl A
		<i>Trochetia boutoniana</i>	Malvaceae	Fl A

MONTSERAT **2019 December 31 (Orchids)** Sheet/3, SS/1

1428a	\$5	Singapore orchid, <i>Vanda</i> 'Miss Joaquim'	Orchidaceae	Fl A MS
1428b	\$5	Moth orchid, <i>Phalaenopsis sp.</i>	Orchidaceae	Fl A MS
1428c	\$5	Moth orchid, <i>Phalaenopsis sp.</i>	Orchidaceae	Fl A MS
1429	\$14	Boat orchid, <i>Cymbidium sp.</i>	Orchidaceae	Fl A SS

PALAU **2020 June 5 (Fruit and Veggie)** Sheet/4, SS/2

1449		Sheet of 4		
1449a	\$2	Asparagus, <i>Asparagus officinalis</i>	Asparagaceae	V B MS
		Avocado, <i>Persea americana</i>	Lauraceae	Fr B MS
		Blueberries, <i>Vaccinium myrtillus</i>	Ericaceae	Fr B MS
		Broccoli, <i>Brassica cretica</i>	Brassicaceae	Fl B MS
		Garlic, <i>Allium sativum</i>	Amaryllidaceae	V B MS
		Mushrooms, <i>Agaricus bisporus</i>	Agaricaceae	V B MS
		Onion, <i>Allium cepa</i>	Amaryllidaceae	V B MS
		Pepper, <i>Capsicum annuum</i>	Solanaceae	Fr B MS
		Strawberries, <i>Fragaria x ananassa</i>	Rosaceae	Fr B MS
1449b	\$2	Avocado, <i>Persea americana</i>	Lauraceae	Fr A MS
1449c	\$2	Dragonfruit, <i>Selenicereus undatus</i>	Cactaceae	Fr A MS
1449d	\$2	Tomato, <i>Lycopersicon esculentum</i>	Solanaceae	Fr B
MS		Onion, <i>Allium cepa</i>	Amaryllidaceae	V B MS
		Zucchini, <i>Cucurbita pepo</i>	Cucurbitaceae	Fr B MS

PALAU (continued)

	Pepper, <i>Capsicum annuum</i>	Solanaceae	Fr B MS
	Spinach, <i>Spinacia oleracea</i>	Amaranthaceae	V B MS
	Mushrooms, <i>Agaricus bisporus</i>	Agaricaceae	V B MS
	Broccoli, <i>Brassica cretica</i>	Brassicaceae	Fl B MS
	Apple, <i>Malus domestica</i>	Rosaceae	Fr B MS
	Brussels sprouts, <i>Brassica oleracea</i>	Brassicaceae	V B MS
	Bananas, <i>Musa x paradisiaca</i>	Musaceae	Fr B MS
	Cucumber, <i>Cucumis sativus</i>	Cucurbitaceae	Fr B MS
	Asparagus, <i>Asparagus officinalis</i>	Asparagaceae	V B MS
	Carrots, <i>Daucus carota</i>	Apiaceae	V B MS
	Garlic, <i>Allium sativum</i>	Amaryllidaceae	V B MS
	Radishes, <i>Raphanus sativus</i>	Brassicaceae	V B MS
	Lettuce, <i>Lactuca sativa</i>	Asteraceae	V B MS
	Turnip, <i>Brassica rapa</i>	Brassicaceae	V B MS
	In margin: Orange, <i>Citrus sinensis</i>	Rutaceae	Fr B MS Z
	Fennel, <i>Foeniculum vulgare</i>	Apiaceae	V B MS Z
	Tomato, <i>Lycopersicon esculentum</i>	Solanaceae	Fr B MS Z
	Onion, <i>Allium cepa</i>	Amaryllidaceae	V B MS Z
	Grapefruit, <i>Citrus paradisi</i>	Rutaceae	Fr B MS Z
	Lime, <i>Citrus aurantiifolia</i>	Rutaceae	Fr B MS Z
	Lemon, <i>Citrus limon</i>	Rutaceae	Fr B MS Z
	Arugula, Rocket, <i>Eruca vesicaria</i>	Brassicaceae	V B MS Z
	Broccoli, <i>Brassica cretica</i>	Brassicaceae	Fl B MS Z
	Brussels sprouts, <i>Brassica oleracea</i>	Brassicaceae	V B MS Z
1450	Sheet of 2		
1450a \$3	Pineapple, <i>Ananas comosus</i>	Bromeliaceae	Fr A SS
1450b \$3	Same species	Bromeliaceae	Fr A SS

POLAND 2020 May 7 (Fruit & Flowers type of 2009, See Plants on Stamps Vol.V p. 167) Single

4479	8.40z	Chamomile, <i>Matricaria recutita</i>	Asteraceae	Fl A
2020 September 30 (Medicinal Plants) Sheet/4				
4506a	3.30z	St John's wort, <i>Hypericum perforatum</i>	Hypericaceae	Fl A MS
4506b	3.30z	Nettle, <i>Urtica dioica</i>	Urticaceae	Fl A MS
4506c	3.30z	Horsetail, <i>Equisetum arvense</i>	Equisetaceae	Fl A MS
4506d	3.30z	Valerian, <i>Valeriana officinalis</i>	Caprifoliaceae	Fl A MS

PORTUGAL 2020 October 22 (Int. Year of Plant Health: insects & plants they damage) Set/4

4273	53c	<i>Daktulosphaira vitifolia</i> , grape vine, <i>Vitis vinifera</i>	Vitaceae	V B
4274	86c	<i>Monochamus galloprovincialis</i> , <i>Bursaphelenchus xylophilus</i> <i>Pinus sp.</i>	Pinaceae	T B
4275	91c	<i>Ceratitis capitata</i> , fruit tree	Rosaceae	T B
4276	€2	<i>Rhynchophorus ferrugineus</i> , palm tree	Arecaceae	T B

Azores 2020 May 21 (Fruit type of Portugal 2017 see Vol 66(3) p111)

609	E (86c)	Passion fruit, <i>Passiflora edulis</i>	Passifloraceae	Fr A
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Madeira 2020 January 8 (Fruit type of Portugal 2017 see Vol 66(3) p111)

379	E (86c)	Cherimoya, <i>Annona cherimola</i>	Annonaceae	Fr A
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ROMANIA		2020 January 7 (Garden Flowers)	Set/6 + labels	
6360	1.80l	Tulip, <i>Tulipa x hybrida</i>	Liliaceae	Fl A
6360a		Sheet of 5 + label		
6361	1.90l	Daffodil, <i>Narcissus pseudonarcissus</i>	Amaryllidaceae	Fl A
6361a		Sheet of 5 + label		
6362	2.20l	Peach blossoms, <i>Prunus persica</i>	Rosaceae	Fl A
6362a		Sheet of 5 + label		
6363	2.70l	Dahlia, <i>Dahlia x hybrida</i>	Asteraceae	Fl A
6363a		Sheet of 5 + label		
6364	3.30l	Poppy, <i>Papaver orientalis</i>	Papaveraceae	Fl A
6364a		Sheet of 5 + label		
6365	53.30l	Anemone, <i>Anemone coronaria</i>	Ranunculaceae	Fl A
6365a		Sheet of 5 + label		
		2020 August 6 (Orchids)	Set/4 + labels	
6451	3.30l	Burnt orchid, <i>Neotinea ustulata</i> var. <i>aestivalis</i>	Orchidaceae	Fl A
6451a		Sheet of 5 + label		
6452	5l	Red helleborine, <i>Cephalanthera rubra</i>	Orchidaceae	Fl A
6452a		Sheet of 5 + label		
6453	8.50l	Pyramid orchid, <i>Anacamptis pyramidalis</i>	Orchidaceae	Fl A
6453a		Sheet of 5 + label		
6455	10.50l	Red vanilla orchid, <i>Gymnadenia</i> (= <i>Nigritella</i>) <i>miniata</i>	Orchidaceae	Fl A
6455a		Sheet of 5 + label		
		2020 August 19	(Protected Flowers)	Set/4 + labels
6459	1.90l	<i>Soldanella oreodoxa</i>	Primulaceae	Fl A
6459a		Sheet of 5 + label		
6460	3.30l	Lady's slipper, <i>Cypripedium calceolus</i>	Orchidaceae	Fl A
6460a		Sheet of 5 + label		
6461	5l	Balkan peony, <i>Paeonia peregrina</i>	Paeoniaceae	Fl A
6461a		Sheet of 5 + label		
6462	19l	Yellow gentian, <i>Gentiana lutea</i>	Gentianaceae	Fl A
6462a		Sheet of 5 + label		
SLOVENIA		2020 September 25	(Intl. Year of Plant Health)	SS/1
1407	82c	Mold and caterpillar damage on leaf?		
SWITZERLAND		2020 September 30	(Chocolate)	Set/2
1778	200c	Cacao pod, <i>Theobroma cacao</i>	Malvaceae	Fr A
UNITED STATES		2021 February 23	(Garden Beauty)	Set/10
5558	(55c)	Flowering dogwood, <i>Cornus florida</i>	Cornaceae	Fl A
5559	(55c)	Tulip, <i>Tulipa x hybrida</i>	Liliaceae	Fl A
5560	(55c)	Allium, <i>Allium giganteum</i>	Amaryllidaceae	Fl A
5561	(55c)	Moth orchid, <i>Phalaenopsis</i> sp.	Orchidaceae	Fl
A5562	(55c)	Dahlia, <i>Dahlia x hybrida</i>	Asteraceae	Fl A
5563	(55c)	Moth orchid, <i>Phalaenopsis</i> sp.	Orchidaceae	Fl A

UNITED STATES (continued)

5564	(55c)	Sacred lotus, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
5565	(55c)	Asiatic lily, <i>Lilium aurantum</i>	Liliaceae	Fl A
5566	(55c)	Tulip, <i>Tulipa x hybrida</i>	Liliaceae	Fl A
5567	(55c)	American lotus, <i>Nelumbo lutea</i>	Nelumbonaceae	Fl A
5567a		Block of 10 #5558-67		
55657b		Booklet pane of 20, 2 each #5558-67		

Taiwan's Alpine Plants, 30 June 2021

To introduce the beauty of Taiwan's alpine plants and to call public attention to the importance of ecological conservation, Chungwa Post has offered a special series of postage stamps, the first set being of four stamps, as described below:



1. *Veratrum formosanum* (NT\$8): With narrow lanceolate leaves and dark purple to reddish-purple flowers blossoming from June to September, this plant generally grows in open areas on mountains high above sea level. It is frequently found on arrow bamboo grassland and alongside mountain paths.



2. *Scabiosa lacerifolia* (NT\$8): With narrow lanceolate leaves and completely purple flowers open between August and October, this plant grows mostly on sun-facing ridges and rocky peaks in mid to high level mountains.



3. *Geranium hayatanum* (NT\$15): Each leaf of this geranium has three to five deep clefts. The flowers are pale pink with reddish-purple stripes. It flowers from June to September. It is distributed over broad open spaces and is frequently seen on grassy areas in the high mountains, in hollows sheltered from the wind, and along roadsides and pathways.



4. *Sedum morrisonense* (NT\$20): With many fleshy oval leaves and yellow flowers open from July to September, this stonecrop is often seen on sun-facing cliffs and scree slopes in the high mountains.

New Plants in the Philatelic Herbarium

By Christopher E. Dahle, BU 1269

Callicarpa hitchcockii LAMIACEAE

Common name: Hog Bush, Boar Hog Bush

Medium shrub to 3 m. Leaves opposite to 5 cm, oblanceolate with deeply recessed veins. Stems covered by trichomes. Flowers, pink, in cymes. Berry is purplish blue. All structures have resin glands. Found in dry evergreen broadleaf scrublands on Islands of the Luvayan archipelago and northern Cuba.

Bahamas Scott #1515. Issued 12 November 2020 in a set of 6 featuring Medicinal Plants



Otoglossum scansor ORCHIDACEAE

Synonyms: *Brevilogium scansor*, *Oncidium convolvulaceum*, *Oncidium scansor*

Small epiphyte. Pseudobulbs that appear to climb the substrate. Basal inflorescence is simple raceme with 2-3 yellow flowers with brown spots appearing March-April. Range: Peru, Venezuela, Colombia and Brazil in cloud forests.

Colombia Scott #1548c. Issued 29 September 2020 in a sheet of 8 in the Fourth Colombia Parks series in a minisheet of 8 stamps featuring Las Orquideas National Nature Park. Printed on Truwhite paper with a phosphor logo by offset lithography. 30,000 stamps printed by Cartor Security Printing.



Amorphophallus gigas ARACEAE

Common names: Sumatra giant amorphophallus, Corpse flower

Synonyms: *Amorphophallus brooksii*, *Conophallus gigas*

Terrestrial perennial. Large umbrella dissected leaf to 2.5 m wide appears tree-like. Flowers emerge on a petiole 2-3 m from leafless tuber, have a dark maroon spathe, carrion odor and a large spadix to 1.5 m. World's largest flower. Found on slopes at forest margins. Range limited to Sumatra.

Indonesia Scott #25223b. Issued on 5 November 2019 in a Flora and Fauna release of 6 designs and a souvenir sheet with 2 stamps. Printed in sheets of 15 with 5 each of 3 designs se-tenant. Printed by offset lithography.



Rafflesia kemumu RAFFLESIACEAE

Parasitic herb first described in 2017. No leaves or roots. Grows on *Tetrastigma* vines. Flowers 38-44 cm diameter, red with white warts, more frequently found in August-November. Repulsive odor. Found in province of Bengkulu, Indonesia. Five species of *Rafflesia* are found in Boven Lais forest in the province.

Indonesia Scott# 2513c. Issued 5 November 2019 for the Flora and Fauna set of 6.





Begonia balgooyi BEGONIACEAE

Described in 2018. Perennial terrestrial herb to 25 cm, stems prostrate to semi-erect, hairy. Leaves alternate, 3-6 leaflets, palmately compound, margin serrate, with prominent hairy veins. Male flowers white. Female flowers white, ovary ellipsoid, red. Found on steep slopes or river banks in lowland and upland forest in dense shade on limestone soils, 50-1200 m. Endemic to southwest Sulawesi, Indonesia.

Indonesia Scott #2515a. Issued 5 November 2019 as a souvenir sheet of two stamps, as part of the Flora and Fauna series.



Cymbidium Enzan Knuckle "Pink Puma" ORCHIDACEAE

Hybrid orchid derived from the cross *Cymbidium tracyanum* × *Cymbidium Signal* bred by Takehiko Mukoyama and registered in 1999.

Liberia Scott #3348b. Issued 6 January 2020 in a minisheet of 6. Printed by multicolor offset lithography. Issued by the postal administration of Liberia but only distributed to the novelty trade by the Liberian philatelic agent.



Rhyncholaeliocattleya Vasin "Yen Jitt" ORCHIDACEAE

Hybrid orchid from the cross *Rhyncholaeliocattleya* Greenwich × *Rhyncholaeliocattleya* Elizabeth Hearn developed in 1987.

Liberia Scott #3348e Issued 6 January 2020 in a minisheet of 6.

Phalaenopsis 'Liodoro'

ORCHIDACEAE

Hybrid orchid from a cross between the primary hybrid *Phalaenopsis deventeriana* (*P. amabilis* × *amboinensis*) developed in 1927 and *Phalaenopsis violacea*. Asian origin.



Maldivian Islands Scott #4006a. Issued 26 September 2017 in a minisheet of four and a souvenir sheet of one.

Chloraea magellanica ORCHIDACEAE

Synonyms: *Asarca magellanica*, *Chloraea bougainvilleana*, *C. hystrix*, *C. kraenzliniana*, *C. leontoglossa*, *C. spegazziniana*

Perennial terrestrial herb to 35 cm. Blooms in spring after snow melts. White flowers with green lines. High latitude forests and shrubland 1200-1700 m in Chile on north-facing slopes fully exposed to sun.

Gavilea supralabellata ORCHIDACEAE (In margin)

Perennial terrestrial herb 20-30 cm. Leaves 5-8 cm by 1-2 cm, lanceolate. Inflorescence a dense raceme with 10-15 flowers. Flowers yellow with green veins and papillae. Shrublands of southern Chile and Argentina 500-1,500 m.

Maldivian Islands Scott #4015. Issued 26 September 2017 in a minisheet of 4 and a souvenir sheet of one.



Neotinea ustulata var. aestivalis ORCHIDACEAE

Burnt orchid, burnt-tip orchid

Terrestrial herb 30-80 cm, leaves 3-9 cm. Large inflorescence bearing 70 to 140 flowers. Subspecies flowers late summer, July-August. Honey scented. Meadows, grasslands, forest edges, growing on humid or dry depleted soils up to 1,800 m. From Spain to Greece north to Sweden and England.

Romania Scott #6451. Issued 6 August 2020 in a set of 4 displaying Orchids. Designed by Mihail Vămășescu. Printed in sheets of 32 and minisheets of 5 plus label (3,760 minisheets printed). Printed by offset in 4 colors on chromo-gummed paper.

**Soldanella oreodoxa** PRIMULACEAE

Perennial herb, 8-22 cm high at time of flowering. Rhizomes ascending, 2-3 cm long. Stem scapular, with 2-6 flowers. Leaves petiolate, leaf blade has cordate base with complete, slightly wavy margin. Corolla is blue-violet, with brown glandular hairs. Shady to moderately shady places, moderately moist to moderately damp, moderately acidic soils. Found in Baisoara Mountain, Scarita-Belioara reservation and Vladeasa Mountains, at 1,000-1,400 m



Romania Scott #6549. Issued 19 August 2020, one of 4 designs in the set of Protected Flowers. Printed in sheets of 32 and minisheets of 5 with a label (3,960 minisheets printed). Designed by Alec Bartos. Printed in 4 color offset on chromo-gummed paper of UK origin.

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FUNGI

Editor

Paul A. Mistretta, BU 1681



Ed. Note: Occasionally in this section and also in the Herpetology 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.

ew Issues

Scott #Denom.	Common name; Scientific name	Family name	Code
BELARUS			
1 June 2020 (Animals in Winter and Summer) Set/6			
1182a N	Lichen on rocks under a white weasel		C
1182	Pair #1182a,b		C
1183c	SS with 1 each Sc#1181a,b; 182a,b; 183a,b		C SS
BOSNIA & HERZEGOVINA			
2020 February 3 (Mushrooms) SS/2			
828a 1.00	Sweet tooth, wood hedgehog, hedgehog mushroom, <i>Hydnum repandum</i>	Hydnaceae	A
828b 1.50	Caesar's mushroom, <i>Amanita caesarea</i>	Amanitaceae	A
828 2.50	SS with a single perforated copy of 828a and 828b		
MALDIVE ISLANDS			
14 June 2017 (Mushrooms & Mycologist) MS/4 & SS			
3936a 20r	Bleeding fairy helmet, the burgundydrop bonnet, or the bleeding <i>Mycena</i> , <i>Mycena haematopus</i> & Alexander Fleming	Mycenaceae	A MS
3936c 20r	<i>Penicillium</i> sp. & Alexander Fleming	Trichocomaceae	B MS
3936d 20r	Fly agaric, <i>Amanita muscaria</i> ☠	Amanitaceae	A MS
3936 80r	MS with one each Sc#3936a - Sc#3936d		A MS
3946 60r	<i>Penicillium</i> sp. conidia & Alexander Fleming	Trichocomaceae	B SS
In margin:	Ink or inky cap, <i>Coprinus comatus</i>	Agaricaceae	A SS Z
	Honey mushroom, <i>Armillaria mellea</i>	Physalacriaceae	A SS Z
2017 June 21 (Mushroom Paintings) Set/4, SS/1			
3965a 22r	Mushroom as house; "Gnome House" by Fritz Baumgarten		A
3965b 22r	Drawings of mushrooms; "The Country Diary of an Edwardian Lady" by Edith Blackwell Holden		
	<i>Mycena</i> sp.	Mycenaceae	A
	<i>Pleurotus</i> sp.	Pleurotaceae	A
	<i>Armillaria</i> sp.	Physalacriaceae	A
	<i>Laccaria</i> sp.	Hydnangiaceae	A
	<i>Clavaria</i> sp.	Clavariaceae	A
3965c 22r	A collection of mushrooms & boletes; "Mushrooms" by William Aiken Walker var. A		
3965d 22r	Stylized <i>Amanita</i> sp., "ex Libris" by Gustaaf van de Wall Perné	Amanitaceae	A
3975 70r	Stylized <i>Amanita</i> sp., "Three Red Mushrooms" by Arlo Zonneveld	Amanitaceae	A
In margin: 5	mushrooms (at least 3 diff. spp.); illustration from Liliana by Apeles Mestres var. B Z		
	Caterpillar sitting on a mushroom, Alice in Wonderland & 5 additional mushrooms; "Advice from a Caterpillar" by Arthur Rackham		B Z

MALDIVE ISLANDS (continued)**2017 September 26** (Mushrooms) Set//4, SS/1

4002a	20r	<i>Callistosporium luteo-olivaceum</i>	Tricholomataceae	A
4002b	20r	Brain mushroom, turban mushroom, <i>Gyromitra esculenta</i>	Discinaceae	A
4002c	20r	Horn of plenty, black chanterelle, <i>Craterellus cornucopioides</i>	Cantharellaceae	A
4002d	20r	Bay bolete, <i>Imleria badia</i>	Boletaceae	A
4011	60r	<i>Ganoderma lucidum</i>	Ganodermataceae	A
In margin:		Horn of plenty, black chanterelle, <i>Craterellus cornucopioides</i>	Cantharellaceae	A SS Z
		Fly agaric; <i>Amanita caesarea</i>	Amanitaceae	A SS Z

Note: All 3 of these sets from the Maldives carry the same warning on the Colnect website as follows: “Although this issue was authorized by the postal administration of the Maldives, the issue was not placed on sale in the Maldives, and was only distributed to the new issue trade by the Maldives's philatelic agent.” I take the choice of words “...acknowledged...” and not “...authorized...” to be a significant distinction, especially since these issues were among at least 690 items issued in 2017 and 1140 issued in 2018. See “Caveat Emptor!” below.

NEW CALEDONIA**2020 September 7** (Mushrooms) Pair

1268a	140fr	Hairy oyster mushroom, <i>Panus lecomtei</i>	Polyporaceae	A
1268b	140fr	<i>Ryvardenia campyla</i>	Polyporaceae	A
1268	280fr	Printed as a horizontal pair [1268a & b] with central label		

Caveat Emptor! “Let the Buyer Beware!”

Paul Mistretta BU 1681

For the past several months I have been attempting to “complete” my Mushrooms-on-Stamps database. This has been a rewarding, but very frustrating, effort. Rewarding in that I now have a relatively consistent record of collectable fungus-related items (20,000+ of them). Frustrating for two reasons: first, despite having a very large database I am now, even more than before, aware of its shortcomings; and second, I am now somewhat discouraged by the flood of “illegal stamps” that I have documented, and the degree to which they have infiltrated the hobby.

I started with a database which included records of about 1,100 sets of mushroom-on-stamps (by far the bulk of them legitimate issues), plus postal stationery, Cinderellas (“local posts”, stamp-like items including matchbook covers and such) and ephemera (cigar bands, product labels, etc.). Over the last six months of further researching these items my overarching database has more than doubled to 2,600+ listings of sets. And my database of individual items which included about 11,000 individual records of single stamps, etc. now contains 21,000+ items!

In addition to these increases, there was a similar (though not as steep) increase in the number of covers with FDCs or commemorative cancels. The number of cachets which include mushrooms, however, has exponentially increased since I last worked with my file of cachets and cancels. This latter increase has led me to abandon any attempt at cataloging all of the cachets offered for each cancel or FDC.

So, why the big increase?

While attempting to complete records for several issues of which I was aware, but had been unable to document, I stumbled onto a website (golowesstamps.com) which lists a huge number of “illegal” issues in a variety of formats. While most of the issues shown are unrelated to the mushrooms-on-stamps theme, a significant number did relate. It was this site which gave me a formal introduction into the murky world of illegals. Quoting directly from that site will clarify exactly what is considered to be an illegal stamp and will give a basic historical perspective on these “issues”.

“According to the UPU, “an illegal stamp is one that carries the name of a legitimate country or territory, but was not produced or printed by the postal administration of that country, and is not valid for postage anywhere in the world.”...

“The majority of illegal stamps on the market today are modern topical issues. The major production of them started in the mid 90's. They fall in line with British local issues that were being massively produced at the time. These were locals that were and are made for islands that do not have any legitimate usage for them under the guidelines of what genuine locals (like Lundy Island) are. Yet they are still produced because mainly unknowing collectors (usually topical) buy them. There is a very thin line between them and illegal stamps. Small territories and countries with no postal services have been targeted in the same way and by the same people I might add.

“It soon became felt by these now professional fake stamp makers that they could simply start producing stamps using country names of countries with valid postal services and that is just what has and is happening to this day. These producers hide in the shadows of the philatelic world and use a network to move these illegal stamps. Some in the network are prominent high volume stamp dealers and they are located all over the world.”

It is interesting to note that the quote includes specific reference to Lundy Island. From Wikipedia we learn:

In 1969, Lundy was purchased by British millionaire Jack Hayward, who donated it to the National Trust. It is managed by the Landmark Trust, a conservation charity that derives its income from day trips and holiday lettings. As of 2007, the island had a population of 28.

Twenty eight people - and a local postal system? Really? Yup, Lundy for the last 90 years has maintained a genuine local post servicing tourist mail to the rest of the world. As described by Christer Brunström (2013):

... local stamps are now affixed to the front of covers or postcards but on the left hand side. The Lundy rate includes the Royal Mail postage cost which is generally indicated in the form of a meter mark. Thus the rates are the same as those of the Royal Mail plus some five puffin going to the local post.

Golowes (golowesstamps.com) notes a 4-page article by Maria Libera, published in 2016 in *Arte di Francobollo* of which 2 pages (in paragraph format) lists known countries in whose name illegals have been issued and the U.P.U. circulars in which they are identified. Many of these are countries in Africa and the Pacific Islands, but many other entities such as Russian “Republics” have also appeared as the “issuers” of these items.

In an effort to validate these issues and avoid U.P.U. identification as illegal, many “contracts” have been negotiated with individuals who “represent” a government agency, but often are not authorized to so act. This gives a thin veneer of legitimacy to the issues produced under these bogus contracts.

As a further confusion, many of these sets are cataloged in one or more of what I consider to be the major catalogs of world postage stamps. Scott's, Stan Gibbons, Yvert & Michel all have some of these

items listed, apparently attributing them with another layer of “legitimacy”. There is no consensus among these catalog editors about the legitimacy of these issues. While, historically, this type of issue would have been considered an “album weed” or a footnote item at best, confusion as to the validity of contracts and “officially issued” versus undeclared illegal” status has editors in a very gray area (except for those items clearly declared illegal by the UPU or clearly acknowledged by the official governmental agency responsibly in each country.)

In his writeups Golowes identifies several producers of these illegal items including Stamperija and IGPC (the Inter-Governmental Philatelic Corporation). Most recently he noted a Russian printer in Moscow, TOPNIMARKA.COM, which has come to the fore; apparently advertising many non-existent items which, if ordered, are printed to order. As with all illegals these illegal items have no postal validity.

Below I present an alphabetical listing of stamp issuing entities which are affected by these printers of bogus issues. Unfortunately, simply listing names fails to distinguish between legitimate issues from some of these political entities and the bogus print runs made in their names. I will try to tackle that in my next article. Political entities which I can confirm as having issued mushrooms-on-stamps items are noted with an “*” after the name.

Afghanistan*, Angola*, Argentina, Azerbaijan *, Benin*, Bolivia*, Bosnia, Burundi*, Cambodia*, Cameroun*, Central African Republic*, Chad*, Comoros*, Croatia, Democratic Republic of Congo*, Republic of Congo*, Cyprus, Djibouti*, Equatorial Guinea*, Eritrea*, Estonia, Gambia*, Georgia, Greece, Guinea*, Haiti*, Iraq, Ivory Coast*, Japan, Kyrgyzstan*, Laos*, Lesotho*, Lithuania, Madagascar*, Malawi*, Mauritania*, Mauritius*, Mexico, Mongolia*, Mozambique*, Myanmar*, Namibia*, Niger*, Paraguay, Portugal, Russian Federation*, Rwanda*, Saudi Arabia, Senegal*, Slovenia, Somalia*, Sudan, Tajikistan*, Tanzania*, Trinidad & Tobago*, Turkmenistan*, Uganda*, Ukraine* United Arab Emirates, Uzbekistan*, Western Sahara (Morocco) *, Zambia* & Zanzibar*.

In addition “stamps” from the following have been denounced by the country in which the issuing entity is located: Nagorno-Karabakh or Republic of Mountainous Karabakh and Naxcivan* (Azerbaijani provinces); Abruca Post, Aegna Post, Aksi Post, Hiiumaa Post, Kihnu Post, Mainland Post, Muhu Post, Osmussaar Post, Prangli Post, Ruhnu Post, Saaremaa Post, Suur-Pakri Post, Väike-Pakri Post, Vonns Post (Estonian Islands); Abkhazia*, Adjara*, Batum*, South Ossetia* (Georgian provinces); Gagauzia*, Pochta PMR, Transnistria*: (Moldova provinces); Republic of Adygea*, Altai Region*, Amurskaya Province*, Russian Artarctica, Republic of Bashkortostan*, Republic of Buriatia*, Republic of Chuvashia*, Republic of Dagestan*, Autonomous Region of Evenkia, Franz Josef Land*, Ingushia, Republic of Ingushetia*, Republic of Ichkeria, Jewish Autonomous Region, Jewish Republic*, Republic of Kabardo-Balkaria*, Republic of Kalmykia*, Kamchatka Region*, Karachevo-Cherkessia*, Republic of Karelia*, Karjala*, Republic of Khakasia, Autonomous Region of Koriakia*, Kolguev Island, Komi Republic*, Kunashir Island, Kuril Islands*, Litke Islands, Mari-El Republic*, Republic of Mordovia*, New Land Island, Republic of North Ossetia*, Novosibirsk Islands, Republic of Sakha (Yakutia)*, Sakhalin Region*, Spitsbergen Island, Republic of Tatarstan*, Republic of Tuva*, Republic of Udmurtia* (Internal provinces and regions of the Russian Federation); Akhal Velayat & Balkan Velayat (Turkmenistanian provinces); and, Ukrainian Antarctic Territories, Grimea, Odessa, Uman*, Vinnitsa* (Ukrainian provinces and regions). Also listed are the presumed fictitious entities: Ferr Islands, Island of Freedom, Island of Offences, Lapland, Maniland, Navaland* and PR Tongo.

“Stamps” were also issued for: Chechenia*, Cherkesia*, Crimeia*, Dnister*, Egypt*, Flanders*, Karakalpakia*, Kolyma*, Kosovo*, Lugaras*, Northern Territories [Japan/Russia disputed area]*, Palatine*, Redondo*, Solomon Islands*, Somali Republic*, Ural*, Vostochnaya*, and the “sand dunes”

Ajman*, Fujiera*, and Sharjah & Dependencies*. Four additional ?fantasy issuers are: Chartonia*, Lugares*, Pandora Island* and Personia*.

Of questionable legality are the stamps of Bernera Islands*, Easdale Island*, Eynhallow*, Hampshire Local Post*, Staffa Local Post*, and Surf Islands*.

Summarizing the above information: U.P.U. declared mushroom-related illegals have been issued in the name of at least 46 legitimate stamp-issuing countries, 44 Russian entities, 3 ‘Sand Dunes’, 11 fictitious entities (fantasy items), and 6 questionable entities.

Unfortunately, the story doesn’t end there. Closing out her article Mrs. Libera lists approximately 100 additional agencies which have been reported as having unauthorized “stamps” issued in their name and for which paperwork was being prepared in support of having them declared illegal. And she further suggests: “A number of countries who subscribe to the WNS (the WADP Numbering System of the Universal Postal Union) have made known that "stamps" in their name that are circulating on the stamp market other than their authentic and legal stamps that they have had registered in the WNS System, should be considered illegal.” [WADP-WNS is the World Association for the Development of Philately which monitors the WNS - the WADP Numbering System. It is well described in Wikipedia at https://en.wikipedia.org/wiki/WADP_Numbering_System]. The system can be accessed at: www.wnsstamps.post.

To put what I have so far discussed in some sort of perspective, many of the illegal items discovered in my internet searches are miniature sheets of 4, 8, 9 & 10 stamps and in a few cases full sheets of 20 stamps. If we assume a conservative average of 4 stamps per item at a very conservative cost of \$5 per item, the cost to a collector attempting completeness of the approximately 10,000 illegals I discovered would be $10,000 / 4 \times \$5 = \$12,500$. And, for that price you would have 2,500 items which have no franking value anywhere in the world and which may not be included in any competitive exhibit.

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MAMMALIA

Editor
Michael Prince, LM 68



ew Issues

Scott #	Denom.	Common name;	Scientific name	Family name	Code
ANDORRA – SPANISH					
2020 October 21 (Chinese Community in Andorra) SS/1					
484	€3.80	Giant Panda,	<i>Ailuropoda melanoleuca</i>	Ursidae	B SS Z
BELGIUM					
2020 August 31 (Fauna) Set/10					
2918	(98c)	Western European Hedgehog,	<i>Erinaceus europaeus</i>	Erinaceidae	A
2920	(98c)	Eurasian Red Squirrel,	<i>Sciurus vulgaris</i>	Sciuridae	A
2923	(98c)	European Rabbit,	<i>Oryctolagus cuniculus</i>	Leporidae	A
2926	(98c)	Wood Mouse,	<i>Mus sylvaticus</i>	Muridae	A
2827a	Book of 10 #2918-2927				
2020 August 31 (European Big Game Animals) Set/5					
2930	Sheet of 5				
	In margin: Brown Bear,		<i>Ursus arctos</i>	Ursidae	A SS Z
2930a	(€1.96)	European Bison,	<i>Bison bonasus</i>	Bovidae	A
2930b	(€1.96)	Wolverine,	<i>Gulo gulo</i>	Mustelidae	A
2930c	(€1.96)	Grey wolf,	<i>Canis lupus</i>	Canidae	A
BOTSWANA					
2020 November 25 (Giraffes) Set/4, SS/4					
1093	2p	Giraffe,	<i>Giraffa camelopardalis</i>	Giraffidae	A
1094	7p	Same species		Giraffidae	A
1095	9p	Same species		Giraffidae	A
1096	10p	Same species		Giraffidae	A
1096a	Souvenir sheet of 4				
COLOMBIA					
2020 August 14 (Colombian Parks) Set/10					
1543	Sheet of 10				
1543c	2000p	Andean Squirrel,	<i>Sciurus pucheranii</i>	Sciuridae	NEW A
2020 September 29 (Colombian Parks) Set/8					
1548	Sheet of 8				
1548e	2000p	Red Howler Monkey,	<i>Alouatta seniculus</i>	Atelidae	A
COOK ISLANDS					
2020 June 15 (Dolphins and Whales) Set/8 with white frames					
1680	50c	Spinner Dolphin,	<i>Stenella longirostris</i>	Delphinidae	A
1681	\$1	Striped Dolphin,	<i>Stenella coeruleoalba</i>	Delphinidae	A
1682	\$5	Blue Whale,	<i>Balaenoptera musculus</i>	Balaenopteridae	A
1683	\$7	Sperm Whale,	<i>Physeter macrocephalus</i>	Physeteridae	A
1684	\$10	Short-beaked Common Dolphin,	<i>Delphinus delphis</i>	Delphinidae	A
1685	\$20	Orca (Killer Whale),	<i>Orcinus orca</i>	Delphinida	A
1686	\$30	Humpback Whale,	<i>Megaptera novaeangliae</i>	Balaenopteridae	A
1687	\$34.70	Atlantic Spotted Dolphin,	<i>Stenella frontalis</i>	Delphinidae	A

COOK ISLANDS (continued)**2020 June 15** (Whales and Dolphins) Blk or vert. strip/4 no white frame

1688a	50c	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
1688b	\$1	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A
1688c	\$5	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
1688d	\$7	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A
1689a	\$10	Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A
1689b	\$20	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A
1689c	\$30	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
1689d	\$34.70	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A

ESTONIA**2020 September 11** (Black Rat) Single

935	90c	Black Rat, <i>Rattus rattus</i>	Muridae	A
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FINLAND**2020 June 3** (Mammals) Set/2

1612		Horiz. pair		
1612a	(€1.60)	Eurasian Red Squirrel, <i>Sciurus vulgaris</i>	Sciuridae	A
1612b	(€1.60)	Western European Hedgehog, <i>Erinaceus europaeus</i>	Erinaceidae	A

GAMBIA**2018 January 4** (Lions) MS/4, SS/3

3766a	70d	Lion, <i>Panthera leo</i>	Felidae	A MS
3766b	80d	Same species	Felidae	A MS
3766c	90d	Same species	Felidae	A MS
3766d	100d	Same species	Felidae	A MS
		In margin: Lion, <i>Panthera leo</i>	Felidae	A MS Z
3767a	75d	Same species	Felidae	A SS
3767b	85d	Same species	Felidae	A SS
3767c	95d	Same species	Felidae	A SS
		In margin: Lion, <i>Panthera leo</i>	Felidae	A SS Z

2018 January 4 (Hyenas) MS/4

3772a	65d	Spotted Hyena, <i>Crocuta crocuta</i>	Hyaenidae	A MS
3772b	75d	Same species	Hyaenidae	A MS
3772c	85d	Same species	Hyaenidae	A MS
3772d	95d	Same species	Hyaenidae	A MS

2018 March 27 (African Primates) MS/4, SS/2

3774a	70d	Vervet Monkey, <i>Chlorocebus pygerythrus</i>	Cercopithecidae	A MS
3774b	80d	Patas Monkey, <i>Erythrocebus patus</i>	Cercopithecidae	A MS
3774c	90d	Golden Monkey, <i>Cercopithecus kandti</i>	Cercopithecidae	A MS
3774d	100d	Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	A MS
3775a	125d	Common Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A SS
3775b	125d	Eastern Gorilla, <i>Gorilla beringei</i>	Hominidae	A SS

2018 April 23 (African Mammals) MS/4, SS/3

3786a	150d	Caracal, <i>Caracal caracal</i>	Felidae	A MS
3786b	150d	Steenbok, <i>Raphicerus campestris</i>	Bovidae	A MS
3786c	150d	Red River Hog, <i>Potamochoerus porcus</i>	Suidae	A MS
3786d	150d	Meercat, <i>Suricata suricatta</i>	Herpestidae	A MS
3787a	150d	Greater Kudu, <i>Tragelaphus strepsiceros</i>	Bovida	A SS

GAMBIA (continued)

3787b	150d	Aardwolf, <i>Proteles cristatus</i>	Hyaenidae	A SS
		2018 October 10 (African Wild Ass)	MS/4	
3808a	50d	African Wild Ass, <i>Equus africanus</i>	Equidae	A MS
3808b	75d	Same species	Equidae	A MS
3808c	100d	Same species	Equidae	A MS
3808d	125d	Same species	Equidae	A MS
		2018 October 10 (Green Monkey)	MS/3, SS/1	
3809a	80d	Green Monkey, <i>Chlorocebus sabaesus</i>	Cercopithecidae	A MS
3809b	100d	Same species	Cercopithecidae	A MS
3809c	120d	Same species	Cercopithecidae	A MS
		In margin: Green Monkey, <i>Chlorocebus sabaesus</i>	Cercopithecidae	A MS Z
3810	200d	Green Monkey, <i>Chlorocebus sabaesus</i>	Cercopithecidae	A SS
		2018 October 10 (Dolphins)	MS/4, SS/1	
3811a	77d	Fraser's Dolphin, <i>Lagenodelphis hosei</i>	Delphinidae	A MS
3811b	77d	Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A MS
3811c	77d	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A MS
3811d	77d	Rough-toothed Dolphin, <i>Steno bredanensis</i>	Delphinidae	A MS
3812	200d	Atlantic Hump-backed Dolphin, <i>Sousa teuszii</i>	Delphinidae	A SS
		2018 October 10 (Large African Mammals)	MS/3, SS/1	
3813a	100d	Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	A MS
3813b	100d	Common warthog, <i>Phacochoerus africanus</i>	Suidae	A MS
3813c	100d	Red River Hog, <i>Potamochoerus porcus</i>	Suida	A MS
3814a	100d	Leopard, <i>Panthera pardus</i>	Felidae	A SS
3814b	200d	Lion, <i>Panthera leo</i>	Felidae	A SS
		2018 November 9 (Dama Gazelle)	MS/3, SS/2	
3815a	95d	Dama Gazelle, <i>Nanger dama</i>	Bovidae	A MS
3815b	95d	Same species	Bovidae	A MS
3815c	95d	Same species	Bovidae	A MS
3816a	150d	Same species	Bovidae	A MS
3816b	150d	Same species	Bovidae	A MS
		2018 November 9 (Zebras)	MS/4, SS/1	
3817a	60d	Burchell's Zebra, <i>Equus quagga burchellii</i>	Equidae	A MS
3817b	80d	Same species	Equidae	A MS
3817c	100d	Same species	Equidae	A MS
3817d	120d	Same species	Equidae	A MS
3818	200d	Same species	Equidae	A MS
		2018 December 19 (Red River Hog)	MS/4, SS/1	
3819a	90d	Red River Hog, <i>Potamochoerus porcus</i>	Suidae	A MS
3819b	95d	Same species	Suidae	A MS
3819c	100d	Same species	Suidae	A MS
3819d	100d	Same species	Suidae	A MS
3820	200d	Same species	Suidae	A SS
		In margin: Red River Hog, <i>Potamochoerus porcus</i>	Suidae	A MS Z

GAMBIA (continued)

		2018 December 31	(Small African Mammals)	MS/4
3827a	90d	Aardvark, <i>Orycteropus afer</i>	Orycteropodidae	A MS
3827b	90d	Gambian Mongoose, <i>Mongos gambianus</i>	Herpestidae NEW	A MS
3827c	120d	Red-flanked Duiker, <i>Cephalophus rufilatus</i>	Bovidae	A MS
3827d	120d	Senegal Galago, <i>Galago senegalensis</i>	Galagidae	A MS
		2019 February 12	(Black Rhinoceros)	MS/3, SS/1
3828a	50d	Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A MS
3828b	100d	Same species	Rhinocerotidae	A MS
3828c	150d	Same species	Rhinocerotidae	A MS
		In margin: Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A MS
3829	250d	Same species	Rhinocerotidae	A SS
		In margin: Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A SS Z
		Giraffe, <i>Giraffa camelopardalis</i>	Giraffidae	A SS Z
		2019 February 12	(African Civets)	MS/4, SS/1
3830a	50d	African Civet, <i>Civettictis civetta</i>	Viverridae	A MS
3830b	50d	Same species	Viverridae	A MS
3830c	150d	Same species	Viverridae	A MS
3830d	150d	Same species	Viverridae	A MS
		In margin: African Civet, <i>Civettictis civetta</i>	Viverridae	A MS Z
3831	250d	Same species	Viverridae	A SS
		2019 April 4	(Honey Badgers)	MS/4, SS/2
3834a	85d	Honey Badger, <i>Mellivora capensis</i>	Mustelidae	A MS
3834b	95d	Same species	Mustelidae	A MS
3834c	105d	Same species	Mustelidae	A MS
3834d	115d	Same species	Mustelidae	A MS
		In margin: Honey Badger, <i>Mellivora capensis</i>	Mustelidae	A MS Z
3835a	150d	Same species	Mustelidae	A SS
3835b	150d	Same species	Mustelidae	A SS
		2019 May 31	(Caracals)	MS/4, SS/2
3844a	95d	Caracal, <i>Caracal caracal</i>	Felidae	A MS
3844b	100d	Same species	Felidae	A MS
3844c	105d	Same species	Felidae	A MS
3844d	110d	Same species	Felidae	A MS
		In margin: Caracal, <i>Caracal caracal</i> (Silhouette)	Felidae	A MS Z
3845a	150d	Same species	Felidae	A SS
3845b	150d	Same species	Felidae	A SS
		2019 July 31	(Lions)	MS/4, SS/1
3852a	50d	Lion, <i>Panthera leo</i>	Felidae	A MS
3852b	50d	Same species	Felidae	A MS
3852c	150d	Same species	Felidae	A MS
3852d	150d	Same species	Felidae	A MS
		In margin: Lion, <i>Panthera leo</i>	Felidae	A MS Z
3853	250d	Same species	Felidae	A SS

GAMBIA (continued)

		2019 August 7 (Hippopotami)	MS/4, SS/1	
3854a	85d	Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	A MS
3854b	95d	Same species	Hippopotamidae	A MS
3854c	105d	Same species	Hippopotamidae	A MS
3854d	115d	Same species	Hippopotamidae	A MS
		In margin: Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	A MS Z
3855	250d	Same species	Hippopotamidae	A SS
		2019 November 1 (Pangolins)	MS/4, SS/1	
3859a	100d	Long-tailed Pangolin, <i>Manis tetradactyla</i>	Manidae	A MS
3859b	100d	Same species	Manidae	A MS
3859c	100d	Same species	Manidae	A MS
3859d	100d	Same species	Manidae	A MS
3860	250d	Same species	Manidae	A SS
		2020 September 30 (Sloths)	MS/4	
3879a	100d	Brown-throated Three-toed Sloth, <i>Bradypus variegatus</i>	Bradypodidae	A MS
3879b	100d	Same species	Bradypodidae	A MS
3879c	100d	Same species	Bradypodidae	A MS
3879d	100d	Hoffman's Two-toed Sloth, <i>Choloepus hoffmanni</i>	Bradypodidae	A MS
		2020 September 30 (Large Cats)	MS/4	
3880a	100d	Tiger, <i>Panthera tigris</i>	Felidae	A MS
3880b	100d	Caracal, <i>Caracal caracal</i>	Felidae	A MS
3880c	100d	Leopard, <i>Panthera pardus</i>	Felidae	A MS
3880d	100d	Lion, <i>Panthera leo</i>	Felidae	A MS
		2020 September 30 (Tanuki)	SS/1	
3883	250d	Raccoon Dog, <i>Nyctereutes procyonoides</i>	Canidae	A SS Z
		2020 September 30 (Sitatunga)	SS/1	
3884	250d	Sitatunga, <i>Tragelaphus spekii</i>	Bovidae	A SS Z
		GRENADA		
		2019 December 24 (Rabbits)	MS/6, SS/1	
4346a	\$4	White-sided Jackrabbit, <i>Lepus callotis</i>	Leporidae	A MS
4346b	\$4	Same species	Leporidae	NEW A MS
4346c	\$4	Eastern Cottontail, <i>Sylvilagus floridanus</i>	Leporidae	A MS
4346d	\$4	Same species	Leporidae	A MS
4346e	\$4	Angora Rabbit, <i>Oryctolagus cuniculus domesticus</i>	Leporidae	A MS
4346f	\$4	Same species	Leporidae	A MS
4347	\$14	Eastern Cottontail, <i>Sylvilagus floridanus</i>	Leporidae	A MS
		GUYANA		
		2020 June 26 (Large Cats)	MS/6, SS/1	
4622a	\$250	Siberian Tiger, <i>Panthera tigris altaica</i>	Felidae	A MS
4622b	\$250	Jaguar, <i>Panthera onca</i>	Felidae	A MS
4622c	\$250	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A MS
4622d	\$250	Eurasian Lynx, <i>Lynx lynx</i>	Felidae	A MS
4622e	\$250	Puma (Cougar), <i>Puma concolor</i>	Felidae	A MS
4622f	\$250	Leopard, <i>Panthera pardus</i>	Felidae	A MS
		In margin: Lion, <i>Panthera leo</i>	Felidae	A MS Z

GUYANA (continued)

4623	\$1000	Lion, <i>Panthera leo</i>	Felidae	A SS Z
			2020 August 11 (Sloths)	MS/4, SS/1
4624a	\$400	Pygmy Three-toed Sloth, <i>Bradypus pygmaeus</i>	Bradypodidae	A MS
4624b	\$400	Pale-throated Three-toed Sloth, <i>Bradypus tridactylus</i>	Bradypodidae	A MS
4624c	\$400	Same species	Bradypodidae	A MS
4624d	\$400	Brown-throated Three-toed Sloth, <i>Bradypus variegatus</i>	Bradypodidae	A MS
4625	\$800	Pale-throated Three-toed Sloth, <i>Bradypus tridactylus</i>	Bradypodidae	A SS Z

ICELAND

			2020 October 29 (Mink)	Single
1522	(250k)	American Mink, <i>Mustela vison</i>	Mustelidae	A
			2020 October 29 (Christmas)	Set/2
1530	(250k)	Arctic Fox, <i>Vulpes lagopus</i>	Canidae	A

INDIA

			2020 March 16 (UNESCO World Heritage Sites in India)	Set/5, SS/5
3213	5r	Golden Langur, <i>Trachypithecus geei</i>	Cercopithecidae	A
		Indian Rhinoceros, <i>Rhinoceros unicornis</i>	Rhinocerotidae	B
		Water Buffalo, <i>Bubalus bubalis</i>	Bovidae	B
3213a		Like 3213, perf 13¼x13½		
3214	5r	Snow Leopard, <i>Panthera uncia</i>	Felidae	A
		Himalayan Goral, <i>Naemorhedus goral</i>	Bovidae	B
3214a		Like 3214, perf 13¼x13½		
3216	12r	Brown Bear, <i>Ursus arctos</i>	Ursidae	A
		Bharal, <i>Pseudois nayaur</i>	Bovidae	B
		Himalayan Musk Deer, <i>Moschus leucogaster</i>	Moschidae	NEW B
3216a		Like 3216, perf 13¼x13½		
3217	12r	Yellow-throated Marten, <i>Martes flavigula</i>	Mustelidae	A
		Lion-tailed Macaque, <i>Macaca silenus</i>	Cercopithecidae	B
		Nilgiri Tahr, <i>Hemitragus hylocrius</i>	Bovidae	B
3217a		Like 3217, perf 13¼x13½		
3217b		Souvenir sheet of 5, #3213-3217		

INDONESIA

			2019 November 5 (Flora and Fauna)	Set/6, SS/2
2514c	3000r	Few-toothed Shrew Rat, <i>Paucidentomys vermidax</i>	Muridae	NEW A
Note: Common name used for this new species may not be the accepted name in due course.				

ISRAEL

			2020 December 15 (Exhibits of Steinhardt Museum of Natural History, Tel Aviv)	Set/3
2272	4s10	Golden Jackal, <i>Canis aureus</i>	Canidae	A
		Caracal, <i>Caracal caracal</i>	Felidae	B
		Mountain Gazelle, <i>Gazella gazella</i>	Bovidae	B
2274	4s10	Caracal, <i>Caracal caracal</i>	Felidae	A

KAZAKHSTAN

			2020 October 21 (Flora and Fauna of West Altai Nature Reserve)	SS/3
932b	500te	Eurasian Elk (Moose), <i>Alces alces</i>	Cervidae	A SS
		In margin: Eastern Roe Deer, <i>Capreolus pygargus</i>	Cervidae	A SS Z

LIBERIA**2020 January 6 (Monkeys) MS/6, SS/1**

3344a	\$200	Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	A MS
3344b	\$200	Proboscis Monkey, <i>Nasalis larvatus</i>	Cercopithecidae	A MS
3344c	\$200	Lion-tailed Macaque, <i>Macaca silenus</i>	Cercopithecida	A MS
3344d	\$200	Japanese Macaque, <i>Macaca fuscata</i>	Cercopithecidae	A MS
3344e	\$200	Cotton-top Tamarin, <i>Saguinus oedipus</i>	Cebidae	A MS
3344f	\$200	Common Squirrel Monkey, <i>Saimiri sciurus</i>	Cebidae	A MS
3350	\$1200	Rhesus Macaque, <i>Macaca mulatta</i>	Cercopithecidae	A SS
		In margin: Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	A SS Z
		Barbary Macaque, <i>Macaca sylvanus</i>	Cercopithecidae	A SS Z

2020 January 6 (Marine Life) MS/6, SS/1

3356b	\$200	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A MS
3356c	\$200	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A MS
3356d	\$200	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A MS
3356e	\$200	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A MS

2020 January 6 (Leopards) MS/6/SS/1

3358a	\$200	Leopard, <i>Panthera pardus</i>	Felidae	A MS
3358b	\$200	Same species	Felidae	A MS
3358c	\$200	Same species	Felidae	A MS
3358d	\$200	Same species	Felidae	A MS
3358e	\$200	Same species	Felidae	A MS
3358f	\$200	Same species	Felidae	A MS
3365	\$1200	Leopard, <i>Panthera pardus</i>	Felidae	A SS

2020 January 6 (Elephants) MS/6, SS/1

3359a	\$200	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A MS
3359b	\$200	Same species	Elephantidae	A MS
3359c	\$200	Same species	Elephantidae	A MS
3359d	\$200	Same species	Elephantidae	A MS
3359e	\$200	Same species	Elephantidae	A MS
3359f	\$200	Same species	Elephantidae	A MS
3366	\$1200	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A SS Z

2020 March 26 (Endangered Species) MS/4, SS/1

3406a	\$300	Amur Leopard, <i>Panthera pardus orientalis</i>	Felidae	A MS
3406c	\$300	Sumatran Elephant, <i>Elephas maximus sumatranus</i>	Elephantidae	A MS
3406d	\$300	Diademmed Sifaka, <i>Propithecus diadema</i>	Indridae	A MS
		In margin: Eastern Lowland Gorilla, <i>Gorilla beringei graueri</i>	Hominidae	A MS Z
3421a	\$600	Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A SS
		In margin: Bornean Orangutan, <i>Pongo pygmaeus</i>	Hominidae	A SS Z

2020 March 26 (Dolphins) MS/4, SS/1

3407a	\$300	Dusky Dolphin, <i>Lagenorhynchus obscurus</i>	Delphinidae	A MS
3407b	\$300	Commerson's Dolphin, <i>Cephalorhynchus commersonii</i>	Delphinidae	A MS
3407c	\$300	Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	A MS
3407d	\$300	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A MS
		In margin: Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A MS Z

LIBERIA (continued)

		2020 March 26 (Big Cats)	MS/4, SS/1	
3416a	\$300	Snow Leopard, <i>Panthera uncia</i>	Felidae	A MS
3416b	\$300	Jaguar, <i>Panthera onca</i>	Felidae	A MS
3416c	\$300	Tiger, <i>Panther tigris</i>	Felidae	A MS
3416d	\$300	Leopard, <i>Panthera pardus</i>	Felidae	A MS
		In margin: Lion, <i>Panthera leo</i>	Felidae	A MS Z
3431a	\$600	Lion, <i>Panthera leo</i>	Felidae	A SS
3431b	\$600	Siberian Tiger, <i>Panthera tigris altaica</i>	Felidae	SS Z
		In margin: Leopard, <i>Panthera pardus</i>	Felidae	A SS Z
		2020 March 26 (Giraffes)	MS/4, SS/1	
3417a	\$300	Northern Giraffe, <i>Giraffa camelopardalis giraffa</i>	Giraffidae	A MS
3417b	\$300	West African Giraffe, <i>Giraffa camelopardalis peralta</i>	Giraffidae	A MS
3417c	\$300	Nubian Giraffe, <i>Giraffa camelopardalis camelopardalis</i>	Giraffidae	A MS
3417d	\$300	Masai Giraffe, <i>Giraffa camelopardalis tippelskirchi</i>	Giraffidae	A MS
		In margin: Kordofan Giraffe, <i>Giraffa camelopardalis antiquorum</i>	Giraffidae	A MS Z
		Rothschild's Giraffe, <i>Giraffa camelopardalis rothschildi</i>	Giraffidae	A MS Z
3432a	\$600	Reticulated Giraffe, <i>Giraffa camelopardalis reticulata</i>	Giraffidae	A SS
3432b	\$600	Angolan Giraffe, <i>Giraffa camelopardalis angolensis</i>	Giraffidae	A SS
		In margin: Rhodesian Giraffe, <i>Giraffa camelopardalis thornicrofti</i>	Giraffidae	A SS Z
		Rothschild's Giraffe, <i>Giraffa camelopardalis rothschildi</i>	Giraffidae	A SS Z
		2020 March 26 (Arctic Animals)	MS/4, SS/1	
3418b	\$300	Ringed Seal, <i>Pusa hispida</i>	Phocidae	A MS
3418c	\$300	Arctic Fox, <i>Vulpes lagopus</i>	Canidae	A MS
3418d	\$300	Narwhal, <i>Monodon monoceros</i>	Monodontidae	A MS
		2020 June 28 (WWF Stamps on Stamps)	MS/6, SS/1	
3464a	\$225	Gorilla, <i>Gorilla beringei</i> (Rwanda #1209 s-o-s)	Hominidae	A MS
3464c	\$225	Tiger <i>Panthera tigris</i> (Russia #6190 s-o-s)	Felidae	A MS
3464e	\$225	Wolverine, <i>Gulo gulo</i> (Russia #6857b s-o-s)	Mustelidae	A MS
3467	\$330	Tiger, <i>Panthera tigris</i> (Russia #6191 s-o-s)	Felidae	A SS
3469	\$330	Wolverine, <i>Gulo gulo</i> (Russia #6857d s-o-s)	Mustelidae	A SS
3470	\$330	Gorilla, <i>Gorilla beringei</i> (Rwanda #1210 s-o-s)	Hominidae	A SS
MACAO		2020 October 15 (Protected Animals)	Set/4, SS/1	
1614a	2p50	Amur Leopard, <i>Panthera pardus orientalis</i>	Felidae	A
1614b	4p	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
1614d	6p	Cross River Gorilla, <i>Gorilla gorilla diehii</i>	Hominidae	A
1615	14p	Javan Rhinoceros, <i>Rhinoceros sondaicus</i>	Rhinocerotidae	A SS
		Vaquita, <i>Phocoena sinus</i>	Phocoenidae	A SS Z
MARSHALL ISLANDS		2020 May 22 (Marine Life)	Set/4	
1264	55c	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
PENRHYN ISLAND		2020 June 15 (Whale and Dolphins)	Set/8 with white frames	
633	50c	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
634	\$1	Long-beaked Common Dolphin, <i>Delphinus capensis</i>	Delphinidae	A

PENRHYN ISLAND (continued)

635	\$5	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
636	\$7	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A
637	\$10	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A
638	\$20	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A
639	\$30	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A
640	\$34.70	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
Set/8 Without white frames, Blk. or vert. strip of 4				
641a	50c	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
641b	\$1	Long-beaked Common Dolphin, <i>Delphinus capensis</i>	Delphinidae	A
641c	\$5	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
641d	\$7	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A
642a	\$10	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A
642b	\$20	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A
642c	\$30	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A
642d	\$34.70	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A

POLAND**2020 June 15** (Adult and Juvenile Animals) Set/4

4486	3z30	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A
4487	3z30	Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	A
4488	3z30	Bactrian Camel, <i>Camelus bactrianus</i>	Camelidae	A
4489	3z30	Ring-tailed Lemur, <i>Lemur catta</i>	Lemuridae	A

SERBIA**2020 November 3** (Natural History Museum, Belgrade 125th Anniv.) Set/4

927		Horiz. sstrip of 4 + label		
927d	70d	Brown Bear, <i>Ursus arctos</i>	Ursidae	A

SOUTH GEORGIA & SOUTH SANDWICH ISLANDS **2020 October 15** (Definitives) Set/12

621	5p	Antarctic Fur Seal, <i>Arctocephalus gazella</i>	Otariidae	A
625	80p	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
631	(70p)	Southern Elephant Seal, <i>Mirounga leonina</i>	Phocidae	A

URUGUAY**2020 January 20** (New Year 2020 – Year of the Rat) Single

2702	70p	Brown Rat, <i>Rattus norvegicus</i>	Muridae	B
		Black Rat, <i>Rattus rattus</i>	Muridae	B

UNITED STATES**2021 January 24** (Rabbits)

5544	(20c)	Brush Rabbit, <i>Sylvilagus bachmani</i>	Leporidae NEW	A
5545	(20c)	Same species	Leporidae NEW	A



ORNITHOLOGY

Editor

Glenn G. Mertz, BU 1455



Corrections/Updates

CARIBBEAN NETHERLANDS, V70(1), page39

Correction: Change Sc#17e to 117e

New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ANTIGUA & BARBUDA		2019 June 11 (Seabirds) Sheet/6, SS/2		A*
3558a	\$1.00	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae	
3558b	\$2.00	White-tailed Tropicbird, <i>Phaethon lepturus</i>	Phaethontidae	
3558c	\$3.00	Cory's Shearwater, <i>Calonectris borealis</i>	Procellariidae	
3558d	\$4.00	Brown Booby, <i>Sula leucogaster</i>	Sulidae	
3558e	\$5.00	Red-footed Booby, <i>Sula sula</i>	Sulidae	
3558f	\$6.00	Masked Booby, <i>Sula dactylatra</i>	Sulidae	
3559a	\$7.50	SS Magnificent Frigatebird, <i>Fregata magnificens</i>	Fregatidae	
3559d	\$8.50	SS Same species, ♂	Fregatidae	
		In margin: Same species, ♀	Fregatidae	
ARUBA		2020 May 20 (Mallard Duck) Set/4, SS/1		A*
3572a	\$4.00	Mallard, <i>Anas platyrhynchos</i> (Facing right)	Anatidae	
3572b	\$5.00	Same species, facing right, different	Anatidae	
3572c	\$6.00	Same species, in flight left	Anatidae	
3572d	\$7.00	Same species, standing to left	Anatidae	
3573	\$14.00	SS Same species, and also in surrounds	Anatidae	
ARUBA		2019 October 31 (Set/4)		A*
636	90c	American Kestrel, <i>Falco sparverius</i>	Falconidae	
637	120c	Burrowing Owl, <i>Athene cunicularia</i> (Stamp has species of <i>cunicularia arubensis</i> —a ssp)	Strigidae	
638	130c	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
639	320c	Crested Caracara, <i>Caracara cheriway</i>	Falconidae	
BELGIUM		2020 August 31 (Garden Fauna) Set/10		A*
2919	(98c)	Barn Owl, <i>Tyto alba</i>	Tytonidae	
2920	(98c)	Eurasian Collared-Dove, <i>Streptopelia decaocto</i>	Columbidae	
2927	(98c)	European Robin, <i>Erithacus rubecula</i>	Muscicapidae	
BOTSWANA		2020 June 5 (Owls) Set/4		A*
1087	5p	African Scops-Owl, <i>Otus senegalensis</i> (Against tree)	Strigidae	
1088	7p	Same species, head only, horizontal stamp	Strigidae	

BOTSWANA (continued)

- 1089 9p African Scops-Owl, *Otus senegalensis*, in tree hollow Strigidae
 1090 10p Same species, facing right Strigidae

COLOMBIA 2020 March 4 (450th Anniversary of Guadalajara de Buga) Set/4 A*

- 1536d 2000p Amazon Kingfisher, *Chloroceryle amazona* Alcedinidae
2020 August 14 (Colombian Parks) Sheet/10 A*

- 1543a 2,000p Yellow-billed Pintail, *Anas georgica* Anatidae
 1543e 2,000p Torrent Duck, *Merganetta armata* Anatidae
 1543g 2,000p Glowing Puffleg, *Eriocnemis vestitus* Trochilidae
2020 September 16 (40y Diplomatic Relations Colombia and Indonesia) A*

- 1546a 500p Multicolored Tanager, *Chlorochrysa nitidissima* Thraupidae
 1546b 500p Lesser Bird-of-Paradise, *Paradisaea minor* Paradisaeidae
2020 September 29 (Colombian Parks) SS/8 A*
- 1548a 2,000p Golden-ringed Tanager, *Bangsia aureocincta* Thraupidae

CURAÇAO 2020 September 20 Set/6 A*

- 413 70c Blue-and-yellow Macao, *Ara ararauna* Psittacidae
 414 1 Green-headed Tanager, *Tangara seledon* Thraupidae
 415 2 Masked Trogon, *Trogon personatus* Trogonidae
 416 331c Guianan Toucanet, *Selenidera piperivora* Ramphastidae
 417 474c Amazonian Motmot, *Momotus momota* Momotidae
 418 739c Toucan Barbet, *Semnornis ramphastinus* Semnornithidae

CZECH REPUBLIC 2020 September 9 (Birds Series III) Pair A*

- 3838a E (39k) Long-tailed Tit, *Aegithalos caudatus* (Top bird) Aegithalidae
 Eurasian Tree Sparrow, *Passer montanus* (Middle bird) Passeridae
 House Sparrow, *Passer domesticus* (Bottom bird) Passeridae
 3838b E (39k) Corn Bunting, *Emberiza calandra* (UL) Emberizidae
 Reed Bunting, *Emberiza schoeniclus* (Ctr left) Emberizidae
 Yellowhammer, *Emberiza citrinella* (Ctr right) Emberizidae
 Ortolan Bunting, *Emberiza hortulana* (LL) Emberizidae

FAROE ISLANDS 2020 September 21 (Beethoven 250y) C*

- 760 44k Northern Gannet, *Morus bassanus* (Right side of head) Sulidae
 Atlantic Puffin, *Fratercula arctica* (Left side of head) Alcidae

FIJI 2020 August (Scott #733 surcharged) A*

- 1421 6c on 44c Australian Swamphen, *Porphyrio melanotus* Rallidae

FINLAND 2020 March 11 (Sheet/4) A*

- 1608a (€1.60) Common Chaffinch, *Fringilla coelebs* Fringillidae
 1608b (€1.60) Barn Swallow, *Hirundo rustica* Hirundinidae
 1608c (€1.60) Eurasian Skylark, *Alauda arvensis* Alaudidae
 1608d (€1.60) White Wagtail, *Motacilla alba* Motacillidae

FRENCH SOUTHERN & ANT. TERR.			2020 November 1 (FSAT 65y) Set/5	A*
636	(€1.05)	White-tailed Tropicbird, <i>Phaethon lepturus</i>	Phaethontidae	
637	(€1.05)	Wandering Albatross, <i>Diomedea exulans</i>	Diomedeidae	
638	(€1.05)	Same species as #637		
639	(€1.05)	Southern Rockhopper Penguin, <i>Eudyptes chrysocome</i>	Spheniscidae	
640	(€1.05)	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
GIBRALTAR			2020 September 25 (Owls) Set/5, SS/2	A*
1767	30p	Eurasian Scops-Owl, <i>Otus scops</i>	Strigidae	
1768	60p	Little Owl, <i>Athene noctua</i>	Strigidae	
1769	90p	Short-eared Owl, <i>Asio flammeus</i>	Strigidae	
1770	£1	Barn Owl, <i>Tyto alba</i>	Tytonidae	
1771	£4	Long-eared Owl, <i>Asio otus</i>	Strigidae	
1772a	£2	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
1772b	£4	Tawny Owl, <i>Strix aluco</i>	Strigidae	
		In margin: Long-eared Owl, <i>Asio otus</i> (RS)	Strigidae	
		Tawny Owl, <i>Strix aluco</i> (LS)	Strigidae	
GREAT BRITAIN				
Alderney			2020 January 21 (Sealife-Alderney's Ramsar Site) Set/6, SS/6	A*
663	66p	Northern Gannet, <i>Morus bassanus</i>	Sulidae	
666a	SS of 6, #661-666			
GUINEA			2020 April 28 (Raptors) Set/4, SS/1	A*
N/A	12,500fr	Sharp-shinned Hawk, <i>Accipiter striatus</i>	Accipitridae	
N/A	12,500fr	Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
N/A	12,500fr	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
N/A	12,500fr	Short-toed Snake-Eagle, <i>Circaetus gallicus</i>	Accipitridae	
N/A	50,000fr	SS Northern Goshawk, <i>Accipiter gentilis</i>	Accipitridae	
		In margin: Andean Condor, <i>Vultur gryphus</i>	Cathartidae	
			2020 April 28 (Kingfishers) Set/4, SS/1	A*
N/A	12,500fr	Laughing Kookaburra, <i>Dacelo novaeguineae</i>	Alcedinidae	
N/A	12,500fr	Black-capped Kingfisher, <i>Halcyon pileate</i>	Alcedinidae	
N/A	12,500fr	Pied Kingfisher, <i>Ceryle rudis</i> (L)	Alcedinidae	
		Belted Kingfisher, <i>Megaceryle alcyon</i> (R)	Alcedinidae	
N/A	12,500fr	Black-backed Kingfisher, <i>Ceyx erithaca</i>	Alcedinidae	
N/A	50,000fr	SS Rufous-backed Kingfisher, <i>Ceyx rufidorsa</i>	Alcedinidae	
		In margin: Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
GUINEA-BISSAU			2020 April 27 (Humming birds) Set/4, SS/1	A*
N/A	100fr	Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
N/A	500fr	Talamanca Hummingbird, <i>Eugenes spectabilis</i> V69(3)	Trochilidae	
N/A	750fr	Black-chinned Hummingbird, <i>Archilochus alexandri</i>	Trochilidae	
N/A	1500fr	Sword-billed Hummingbird, <i>Ensifera ensifera</i>	Trochilidae	
N/A	3000fr	SS Golden-bellied Starfrontlet, <i>Coeligena bonapartei</i> V69(3)	Trochilidae	
		In margin: Fiery-throated Hummingbird, <i>Panterpe insignis</i> (UR)	Trochilidae	
		Copper-rumped Hummingbird, <i>Amazilia tobaci</i> (LL)	Trochilidae	

GUINEA-BISSAU (continued)

		2020 September 29 (Endangered animals) Set/4, SS/1	A*
N/A	100fr	Black-faced Spoonbill, <i>Platalea minor</i>	Threskiornithidae
N/A	1,500fr	Red-billed Curassow, <i>Crax blumenbachii</i>	Cracidae
		2020 September 29 (Pre-historic Birds) Set/4, SS/1	A*
N/A	100fr	Giant Teratom, † <i>Argentavis magnificens</i> V70(1)	†Teratomnithidae
N/A	500fr	Iberomesornis, † <i>Iberomesornis romerali</i> V70(1)	†Iberomesornithidae
N/A	750fr	Stirten's Thunderbird, † <i>Dromornis stirtoni</i> V(701)	†Dromornithidae
N/A	1,500fr	Confucius, † <i>Confuciusornis sanctus</i>	†Confuciusornithidae
N/A	3,000fr	SS Haast's Eagle, † <i>Hieraaetus moorei</i>	Accipitridae
	In margin:	Greater Rhea, <i>Rhea americana</i>	Rheidae
		2020 November 30 (Birds of Prey) Set/4, SS/1	A*
N/A	100fr	Osprey, <i>Pandion haliaetus</i>	Pandionidae
N/A	500fr	Barn Owl, <i>Tyto alba</i>	Tytonidae
N/A	750fr	Eurasian Kestrel, <i>Falco tinnunculus</i>	Falconidae
N/A	1,500fr	Black Vulture, <i>Coragyps atrarus</i>	Cathartidae
N/A	3,000fr	SS Common Buzzard, <i>Buteo buteo</i>	Accipitridae
		2020 November 30 (Bee-eaters) Set/4, SS/1	A*
N/A	100fr	Red-throated Bee-eater, <i>Merops bulocki</i>	Meropidae
N/A	500fr	Southern Carmine Bee-eater, <i>Merops nubicoides</i>	Meropidae
N/A	750fr	Chestnut-headed Bee-eater, <i>Merops leschenaulti</i>	Meropidae
N/A	1,500fr	White-fronted Bee-eater, <i>Merops bullockoides</i>	Meropidae
N/A	3,000fr	SS Green Bee-eater, <i>Merops orientalis</i>	Meropidae
	In margin:	European Bee-eater, <i>Merops apiaster</i>	Meropidae
ICELAND		2020 October 29 (Christmas) Set/2	A*
1529	(195k)	Rock Ptarmigan, <i>Lagopus muta</i>	Phasianidae
MALDIVIVE ISLANDS		2020 July 19 (Birds Of Paradise) Set/4, SS/1	A*
N/A	22r	Raggiana Bird-of-Paradise, <i>Paradisaea raggiana</i>	Paradisaeidae
N/A	22r	Wilson's Bird-of-Paradise, <i>Cincinnurus respublica</i>	Paradisaeidae
N/A	22r	Lesser Bird-of-Paradise, <i>Paradisaea minor</i>	Paradisaeidae
N/A	22r	Greater Bird-of-Paradise, <i>Paradisaea apoda</i>	Paradisaeidae
N/A	70r	SS Victoria's Riflebird, <i>Lophorina victoriae</i>	Paradisaeidae
	In margin:	Raggiana Bird-of-Paradise, <i>Paradisaea raggiana</i>	Paradisaeidae
		2020 July 19 (Owls) Set/4, SS/1	A*
N/A	22r	Eurasian Eagle-Owl, <i>Bubo bobo</i>	Strigidae
N/A	22r	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
N/A	22r	Little Owl, <i>Athene noctua</i>	Srrigidae
N/A	22r	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
N/A	70r	SS Great Gray Owl, <i>Strix nebulosa</i>	Strigidae
	In margin:	Barn Owl, <i>Tyto alba</i>	Tytonidae
		2020 July 23 (Discovery of Antarctica 200y) Set/4	A*
N/A	22r	King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae

MALDIVE ISLANDS (continued)

			2020 July 23 (Kingfishers) Set/4	A*
N/A	22r	Laughing Kookaburra, <i>Dacelo novaeguineae</i>	Alcedinidae	
N/A	22r	Belted Kingfisher, <i>Megaceryle alcyon</i>	Alcedinidae	
N/A	22r	Green Kingfisher, <i>Chloroceryle americana</i>	Alcedinidae	
N/A	22r	Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae	
N/A	70r	SS Blue-winged Kookaburra, <i>Dacelo leachii</i>	Alcedinidae	
		In margin: Collared Kingfisher, <i>Todiramphus chloris</i>	Alcedinidae	
			2020 July 23 (Extinct Birds) Set/3, SS/1	A*
N/A	22r	Tasmanian Emu, † <i>Dromaius novaehollandiae diemenensis</i> (ssp, bird on right)	Casuariidae	
		North Island Moa, † <i>Dinornis novaezelandiae</i> (LS)	†Dinorithidae	
N/A	22r	Choiseul Pigeon, † <i>Microgoura meeki</i>	Columbidae	
N/A	22r	Tahiti Red-billed Rail, † <i>Hypotaenidia pacifica</i>	Rallidae	
N/A	22r	Broad-billed Parrot, † <i>Lophopsittacus mauritianus</i>	Psittaculidae	
N/A	60r	SS Great Auk, † <i>Pinguinus impennis</i>	Alcidae	
		In margin: Tasmanian Emu, † <i>Dromaius novaehollandiae diemenensis</i>	Casuariidae	

MARSHALL ISLANDS

			2020 May 22 Set/5	A*
1259	6c	Crimson-crowned Fruit-Dove, <i>Ptilinopus porphyraceus</i>	Colombidae	
1260	\$1.45	Arctic Tern, <i>Sterna paradisaea</i>	Laridae	
1261	\$7.75	Long-tailed Koel, <i>Urodynamis taitensis</i>	Cuculidae	
1262	\$15.50	Tufted Duck, <i>Aythya fuligula</i>	Anatidae	
1263	\$26.35	Sacred Kingfisher, <i>Todiramphus sanctus</i>	Alcedinidae	

NIGER

			2020 March 25 (Bee-eaters) Set/4, SS/1	A*
N/A	800fr	Green Bee-eater, <i>Merops orientalis</i>	Meropidae	
N/A	800fr	Little Bee-eater, <i>Merops pusillus</i>	Meropidae	
N/A	800fr	Rainbow Bee-eater, <i>Merops ornatus</i>	Meropidae	
N/A	800fr	Blue-cheeked Bee-eater, <i>Merops persicus</i>	Meropidae	
N/A	3,300fr	SS Blue-tailed Bee-eater, <i>Merops philippinus</i>	Meropidae	
		In margin: Red-throated Bee-eater, <i>Merops bulocki</i>	Meropidae	
			2020 March 25 (Kingfishers) Set/3, SS.1	A*
N/A	800fr	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
N/A	800fr	Great-billed Kingfisher, <i>Pelargopsis melanorhyncha</i>	V69(3)Alcedinidae	
N/A	800fr	Laughing Kookaburra, <i>Dacelo novaeguineae</i>	Alcedinidae	
N/A	800fr	Belted Kingfisher, <i>Megaceryle alcyon</i>	Alcedinidae	
N/A	3,300fr	SS Azure Kingfisher, <i>Ceyx azureus</i>	Alcedinidae	
			(Stamp has genus of Alcedo)	
		In margin: Gray-headed Kingfisher, <i>Halcyon leucocephala</i>	Alcedinidae	
			2020 March 25 (Herons) Set/4, SS/1	A*
N/A	800fr	Black-crowned Night-Heron, <i>Nycticorax nycticorax</i>	Ardeidae	
N/A	800fr	Little Egret, <i>Egretta garzetta</i>	Ardeidae	
N/A	800fr	Boat-billed Heron, <i>Cochlearius cochlearius</i>	Ardeidae	
N/A	800fr	American Bittern, <i>Botaurus lentiginosus</i>	Ardeidae	

NIGER (continued)

N/A	3,300fr	SS	Yellow-crowned Night-Heron, <i>Nyctanassa violacea</i>	Ardeidae		
	In margin:		Boat-billed Heron, <i>Cochlearius cochlearius</i> (UR)	Ardeidae		
			Black-crowned Night-Heron, <i>Nycticorax nycticorax</i> (Ctr)	Ardeidae		
			Rufous Night-Heron, <i>Nycticorax caledonicus</i> (LL)	Ardeidae		
			2020 June 10 (Lighthouses)	Set/4, SS/1		A*
N/A	800fr		Northern Fulmar, <i>Fulmarus glacialis</i>	Procellariidae		
N/A	800fr		Double-crested Cormorant, <i>Phalacrocorax auritus</i>	Phalacrocoraciidae		
N/A	3,300fr	SS	Arctic Tern, <i>Sterna paradisaea</i>	Laridae		
	In margin:		Herring Gull, <i>Larus argentatus</i> (UR)	Laridae		
			Northern Fulmar, <i>Fulmarus glacialis</i> (LL)	Procellariidae		
			2020 June 10 (Owls)	Sheet/4, SS/1		A*
N/A	800fr		Northern Boobook, <i>Ninox japonica</i>	Strigidae		
N/A	800fr		Brown Boobook, <i>Ninox scutulata</i>	Strigidae		
N/A	800fr		Brown Fish-Owl, <i>Ketupa zeylonensis</i>	Strigidae		
N/A	800fr		Indian Scops-Owl, <i>Otus bakkamoena</i>	Strigidae		
N/A	3,300fr	SS	Oriental Bay-Owl, <i>Phodilus badius</i>	Tytonidae		
	In margin:		Eurasian Pygmy-Owl, <i>Glaucidium passerinum</i> (LL)	Strigidae		
			Buffy Fish-Owl, <i>Ketupa ketupa</i>	Strigidae		
			2020 June 10 (Parakeets)	Sheet/4, SS/1		A*
N/A	800fr		Blue-crowned Parakeet, <i>Thectocercus acuticaudatus</i>	Psittacidae		
N/A	800fr		Red-fan Parrot, <i>Deroptyus accipitrinus</i> (L)	Psittacidae		
			Black-headed Parrot, <i>Pionites melanocephalus</i> (R)	Psittacidae		
N/A	800fr		Festiva Parrot, <i>Amazona festiva</i>	Psittacidae		
N/A	800fr		Golden Parakeet, <i>Guaruba guarouba</i>	Psittacidae		
N/A	3,300fr	SS	Hyacinth Macaw, <i>Anodorhynchus hyacinthinus</i>	Psittacidae		
	In margin:		Dusky-headed Parakeet, <i>Aratinga weddellii</i>	Psittacidae		
			2020 June 10 (Flightless Birds)	Sheet/4, SS/1		A*
N/A	800fr		South Island Takahē, <i>Porphyrio hochstetteri</i>	Rallidae		
N/A	800fr		King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae		
N/A	800fr		North Island Brown Kiwi, <i>Apteryx mantelli</i>	Apterygidae		
N/A	800fr		Greater Rhea, <i>Rhea americana</i>	Rheidae		
N/A	3,300fr	SS	South African Ostrich, <i>Struthio camelus australis</i> (ssp)	Struthionidae		
S. GEORGIA & S. SANDWICH IS.			2020 October 15	Set/12		A*
621	50p		Gray-headed Albatross, <i>Thalassarche chrysotoma</i>	Diomedidae		
628	£2		South Georgia Pipit, <i>Anthus antarcticus</i>	Motacillidae		
630	£5		Macaroni Penguin, <i>Eudyptes chrysolophus</i>	Spheniscidae		
TOGO			2020 May 29 (Lighthouses)	Set/4		A*
N/A	800fr		Razorbill, <i>Alca torda</i>	Alcidae		
N/A	800fr		Northern Gannet, <i>Morus bassanus</i>	Sulidae		
			2020 May 29 (Rare Birds)	Sheet/4, SS/1		A
N/A	800fr		Red-crowned Crane, <i>Grus japonensis</i>	Gruidae		
N/A	800fr		Orange-bellied Parrot, <i>Neophema chrysogaster</i>	Psittaculidae		

TOGO (continued)

N/A	800fr	Kakapo, <i>Strigops habroptila</i>	Strigopidae	
N/A	800fr	Andean Cock-of-the-Rock, <i>Rupicola peruvianus</i>	Cotingidae	
N/A	3,300fr	SS Red-breasted Merganser, <i>Mergus serrator</i>	Anatidae	
		In margin: Crested Ibis, <i>Nipponia nippon</i>	Threskiornithidae	
2020 May 29 (Raptors) Sheet/4, SS/1				A*
N/A	800fr	White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae	
N/A	800fr	Black-chested Buzzard-Eagle, <i>Geranoaetus melanoleucus</i>	Accipitridae	
N/A	800fr	Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae	
N/A	800fr	Harris's Hawk, <i>Parabuteo unicinctus</i>	Accipitridae	
N/A	3,300fr	SS Black-chested Buzzard-Eagle, <i>Geranoaetus melanoleucus</i>	Accipitridae	
		In margin: Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
2020 May 29 (Ducks) Set/4, SS/1				A*
N/A	800fr	Common Eider, <i>Somateria mollissima</i>	Anatidae	
N/A	800fr	Eurasian Wigeon, <i>Mareca penelope</i>	Anatidae	
N/A	800fr	Hooded Merganser, <i>Lophodytes cucullatus</i>	Anatidae	
N/A	800fr	Greater Scaup, <i>Aythya marila</i>	Anatidae	
N/A	3,300fr	SS King Eider, <i>Somateria spectabilis</i>	Anatidae	
		In margin: Harlequin Duck, <i>Histrionicus histrionicus</i>	Anatidae	
2020 May 29 (Passerines) Sheet/4, SS/1				A*
N/A	800fr	Goldcrest, <i>Regulus regulus</i>	Regulidae	
N/A	800fr	Western Bonelli's Warbler, <i>Phylloscopus bonelli</i>	Phylloscopidae	
N/A	800fr	Eurasian Skylark, <i>Alauda arvensis</i>	Alaudidae	
N/A	800fr	Lesser Striped Swallow, <i>Cecropis abyssinica</i>	Hirundinidae	
N/A	3,300fr	SS Eastern Yellow Robin, <i>Eopsaltria australis</i>	Petroicidae	
2020 May 29 Set/4, SS/1				A*
N/A	800fr	Red-tailed Black Cockatoo, <i>Calyptorhynchus banksii</i>	Cacatuidae	
N/A	800fr	Long-billed Corella, <i>Cacatua tenuirostris</i>	Cacatuidae	
N/A	00fr	Coconut Lorikeet, <i>Trichoglossus haematodus</i>	Psittaculidae	
N/A	800fr	Pale-headed Rosella, <i>Platycercus adscitus</i>	Psittaculidae	
N/A	3,300fr	SS Yellow-tailed Black-Cockatoo, <i>Calyptorhynchus funereus</i>	Cacatuidae	
		In margin: Gang-Gang Cockatoo, <i>Callocephalon fimbriatum</i>	Cacatuidae	
2020 May 29 (Hummingbirds) Set/4, SS/1				A*
N/A	800fr	Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
N/A	800fr	Black-throated Mango, <i>Anthracothorax nigricollis</i>	Trochilidae	
N/A	800fr	Broad-tailed Hummingbird, <i>Selasphorus platycercus</i>	Trochilidae	
N/A	800fr	Anna's Hummingbird, <i>Calypte anna</i>	Trochilidae	
N/A	3,300fr	SS Mexican Violetear, <i>Colibri thalassinus</i>	Trochilidae	
		In margin:... Bee Hummingbird, <i>Mellisuga helenae</i> (UL)	Trochilidae	
		White-bellied Woodstar, <i>Chaetocercus mulsant</i> (LR)	Trochilidae	New
TRISTAN DA CUNHA 2020 March 24 (25y Gough & Inaccessible Islands) Set/4, SS/1				A*
1173	35p	Wandering Albatross, <i>Diomedea exulans</i>	Diomedeidae	
1174	55p	Gough Island Finch, <i>Rowettia goughensis</i>	Emberizidae	
(Stamp has Gough Bunting)				

TRISTAN DA CUNHA (continued)

1175	£1.60	Spectacled Petrel, <i>Procellaria conspicillata</i>	Procellariidae
1176	£1.80	Moseley's Rockhopper Penguin, <i>Eudyptes moseleyi</i>	Spheniscidae
1177	£3.50	SS Inaccessible Island Rail, <i>Atlantisia rogersi</i>	Rallidae
2020 November 9 (Vagrant species type of 2019)			
1191	60p	Purple Gallinule, <i>Porphyrio martinica</i>	Rallidae
1193	£2	King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae

A*

UNITED STATES**2020 October 16 (Winter Scenes) Set/10**

A*

5533	(55c)	Northern Cardinal, <i>Cardinalis cardinalis</i>	Cardinalidae
5536	(55c)	Barred Owl, <i>Strix varia</i>	Strigidae
5537	(55c)	Blue Jay, <i>Cyanocitta cristata</i>	Corvidae
5541a	Block of 10, #5532-5541		
5541b	Booklet Pane of 20, 2 ea. #5532-55419		

Snow Mammals

Life in the wild can be a deadly game of hide and seek, where blending in with the landscape is critical to survival. These stamps – issued in the depths of our Canadian winter – showcase five native mammals that share the remarkable characteristic of changing colour with the seasons.

Not surprisingly, given the drastic change much of our landscape undergoes from summer to winter, Canada is home to more species of mammals that moult from shades of brown or grey to white – and back again in spring – than any other country in the world.

The five featured on these stamps represent the hunters and the hunted. The ermine and the Arctic fox are predators that blend into the snowy background to sneak up on their next meal. The snowshoe hare, Peary caribou and northern collared lemming are prey that rely on their camouflage to avoid detection.

“These creatures are like ghosts, travelling on or under the snow without a sound,” says Dominique Fauteux, a research scientist at the Canadian Museum of Nature. “Their unique adaptation invokes a very poetic view of winter as not only silent and calm, but also dangerous.”

The seasonal change of outerwear that makes these mammals distinctive is the result of a complex physiological process influenced by sensitivity to changes in daylight, rather than temperature. Starting around the first snowfall, their lighter-weight, darker-coloured coats moult to a heavier, more insulating white. This gradual process reverses in the warmer months, beginning around the spring melt.

In the lower left-hand corner of each stamp, in fluorescent ink visible only under black light, is a set of each animal's tracks as they would appear in the fresh snow.

Design: Adrian Horvath Stamps: Ermine – Robert Postma; snowshoe hare – Michelle Valberg; Arctic fox – Dennis Fast; northern collared lemming – Mathilde Poirier; Peary caribou – Paul Loewen. Backgrounds – Michelle Valberg. Printing: Canadian Bank Note. Gum type: PVA Tagging: 4 sides + special additional tagging for paw prints.

https://www.canadapost-postescanada.ca/assets/pdf/blogs/collecting/detailsvolxxxno2_en.pdf. Accessed 5 May 21



New Birds in the Philatelic Aviary

By Charles E. Braun, BU 1364

New Birds

TASMANIAN EMU, *Dromaius novaehollandiae diemenensis* Dromaiidae

Maldives, 2020, not yet cataloged, 22 r A subspecies extinct around 1865

Length: 69 to 76 inches, sexes similar, resident. Brown, with a whitish throat and bare neck.

Habitat: Woodland, scrub and open country.

Range: Tasmania.

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



SEVERTZOV'S GROUSE, *Tetrastes sewerzowi* Phasianidae

China, 2021, not yet cataloged,

Length: 14 inches, resident. The male (shown on the stamp) is black-barred brown above and white-scalloped black below, with a black throat, chestnut breast and a white-barred black outer tail; the female lacks the black throat.

Habitat: Mountain forests.

Range: Western China.

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

YELLOW-EYED PIGEON, *Columba eversmanni* Columbidae

Cuba, 2020, not yet cataloged, 85 c

Length: 10 to 12 inches, sexes similar, migratory. Bluish gray, with a white lower back and rump, black tail tip and yellow eyes.

Habitat: Steppe and lowlands.

Range: Breeds from Lake Aral to northeastern Iran and Afghanistan; winters from southern Iran to northwestern India.

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



SPECKLED WOOD-PIGEON, *Columba hodgsonii* Columbidae

Cuba, 2020, not yet cataloged, 75 c

Length: 15 to 16 inches, resident. The male (shown on the stamp) is purplish black above and black-speckled white below, with a pale gray head; the female is faintly speckled brownish gray below.

Habitat: Evergreen forest.

Range: Kashmir to western China and northern Myanmar.

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



SQUATTER PIGEON, *Geophaps scripta* Columbidae

Australia, 2021, not yet cataloged, \$1.10

Length: 10 to 13 inches, sexes alike, resident. Brown above and grayish below, with a black-and-white- striped head and white flanks.

Habitat: Open Eucalyptus woodland and associated savanna.

Range: Northeastern Australia.

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



**LITTLE GREEN-PIGEON, *Treron olax*** Columbidae

Togo, 2021, not yet cataloged, 800 fr

Length: 9 inches, resident. The male (shown on the stamp) is dark reddish purple above and yellow below, with a blue gray head and neck, orange-gold breast and gray flanks; the female lacks the dark reddish purple and orange-gold.

Habitat: Forest, parks and gardens.

Range: Southern Myanmar to the Philippines and Java.

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

the World, Volume 4.

**ASHY-HEADED GREEN-PIGEON, *Treron phayrei*** Columbidae

Cambodia, 2020, not yet cataloged, 500 r

Length: 11 inches, resident. The male (shown on the stamp) is purplish chestnut above and yellow below, with a bluish crown, grayish green hindneck and a brown tail; the female is olive green above.

Habitat: Primary and secondary forests.

Range: Myanmar and southwestern China to southern Vietnam.

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

**WOMPOO FRUIT-DOVE, *Ptilinopus magnificus*** Columbidae

Togo, 2021, not yet cataloged, 800 fr Previously on a Grunay local

Length: 12 to 18 inches, sexes alike, resident. Bright green above and deep purple below, with a gray head and neck and a golden yellow undertail.

Habitat: Forest.

Range: New Guinea and eastern Australia.

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

**WHITE-BREASTED FRUIT-DOVE, *Ptilinopus rivoli*** Columbidae

Togo, 2021, not yet cataloged, 800 fr

Length: 9 to 10 inches, resident. The male (shown on the stamp) is dark green with a broad cream-colored breast band and bright yellow undertail; the female lacks the breast band.

Habitat: Primary rain forest.

Range; Moluccas, New Guinea and the Bismark Archipeligo.

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

of the World, Volume 4.

**EASTERN PLANTAIN-EATER, *Crinifer zonurus*** Musophagidae

Central African Republic, 2021, not yet cataloged, 850 fr

Length: 20 inches, sexes alike, resident. Gray above and streaked whitish below, with a dark brown head, barred hindneck and a white spot on the outer tail.

Habitat: Open areas.

Range Southeastern Chad, northern Central African Republic and Eritrea to northwestern Tanzania.

Range: Myanmar and southwestern China to southern Vietnam.

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

the World, Volume 4.



HIMALAYAN CUCKOO, *Cuculus sauratus* Cuculidae

Liberia, 2021, not yet cataloged, \$300

Length: 12 inches, sexes similar, migratory. Ashy-gray above and black-barred white below, with a pale gray head, white throat and creamy apricot chest.

Habitat: Forest, open woodlands and orchards.

Range: Breeds from Kashmir to Taiwan and Thailand and from Malaysia to the Lesser Sundas; winters from the Malay peninsula to the Philippines and eastern Australia.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 4.



CORAL-BILLED GROUND-CUCKOO, *Carpococcyx renauldi*

Cuculidae

Liberia, 2021, not yet cataloged, \$300

Length: 26 inches, sexes alike, resident. Gray above and white below, with a black head, neck, throat and tail and a dusky red bill.

Habitat: Forest, scrub and rocky areas.

Range: Thailand to Vietnam.

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

PALE-BELLIED HERMIT, *Phaethornis anthophilus* Trochilidae

Central African Republic, 2021, not yet cataloged, 850 fr

Length: 5 inches, sexes similar, resident. Green above and light gray below, with a dark face patch.

Habitat: Forest, woodland, thickets and plantations.

Range: Central Panama to northern Venezuela.

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



GREEN-HEADED HUMMINGBIRD, *Amazilia viridifrons* Trochilidae

Central African Republic, 2021, not yet cataloged, 850 fr

Length: 4.5 inches, sexes similar, resident. Green above and white below, with a coppery tail.

Habitat: Forest, woodland, parks and gardens.

Range: Southern Mexico.

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



GLOWING PUFFLEG, *Eriocnemis vestita* Trochilidae

Colombia, 2020, not yet cataloged, 2000 p

Length: 4 inches, resident. The male (shown on the stamp) is shining dark green above and glittering golden green below, with a glittering purple throat patch and puffy white legs; the female is shining golden green above and buff below with glittering golden green discs.

Habitat: Open areas and forest borders.

Range: Andes from northwestern Venezuela to northern Peru.

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

GREEN-BEARDED HELMETCREST, *Oxygogon guerinii* Trochilidae
Central African Republic, 2021, not yet cataloged, 800 fr Previously on a 1982 Staffa local.

Length: 5 inches, sexes similar, resident. Bronzy above and grayish-bronzy below, with a white crest, collar and beard.

Habitat: Humid open paramo and forest edges.

Range: Colombia and northwestern Venezuela.

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



WHITE-BELLIED WOODSTAR,
Chaetocercus mulsant Trochilidae

Togo, 2020. not yet cataloged. 3300 fr Lower surrounds. Previously on a 1982 Staffa local.

Length: 4 inches, resident. The male (shown on the stamp) is dark bluish-green above and white below, with a green breast band and an iridescent reddish-violet gorget; the female has a pale cinnamon throat.

Habitat: Humid forest edges and farms.

Range: Andes from central Colombia to central Bolivia.

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

JACK SNIBE, *Lymnocyptes minimus* Scolopacidae

Caribbean Netherlands (St. Eustatius), 2021, not yet cataloged, 69 c Previously on a 1982 Staffa local.

Length: 7 inches, sexes alike, migratory. Black above and spotted whitish below, with a patterned head and a wedge-shaped tail.

Habitat: Breeds in open marshes, floodplains and bogs; winters in brackish and freshwater habitats.

Range: Breeds from Norway to eastern Siberia; winters from coastal Europe and west-central Africa to southern China and Vietnam.

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



HAAST'S EAGLE, *Hieraaetus moorei* Accipitridae

Guinea-Bissau, 2020, not yet cataloged, 3000 fr Extinct about 1400.

Length: 38 to 42 inches, sexes alike (but female larger), resident. A very large bird of prey.

Habitat: Forest.

Range: South Island, New Zealand.

Reference: Evans, K. Return of the Lost Birds. New Zealand Geographic (154) 30 (2018).





TASMANIAN MASKED OWL, *Tyto novaehollandiae castanops* Tytonidae subspecies

Guinea-Bissau, 2021, not yet cataloged, 750 fr

Length: 13 to 17 inches, sexes alike but the female is larger, resident. Speckled blackish-brown above and faintly spotted pale rufous below, with a whitish throat and chestnut facial disc.

Habitat: Tall open forest.

Range: Tasmania and neighboring islands.

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

the World, Volume 5.



LETTERED ARACARI, *Pteroglossus incriptus incriptus* Ramphastidae

Central African Republic, 2021, not yet cataloged, 800 fr Previously in the surrounds on a Guinea 2017 issue. This stamp shows the nominate subspecies.

Length: 12 inches, resident, The male (shown on the stamp) is green above and yellow below, with a black head and a marked yellow bill; the female has a chestnut throat.

Habitat: Forest and woodland.

Range: North central and eastern Brazil to eastern Bolivia.

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



HUMBOLDT'S ARACARI, *Pteroglossus incriptus humboldti* Ramphastidae

Central African Republic, 2021, not yet cataloged, 800 fr The other subspecies in shown.

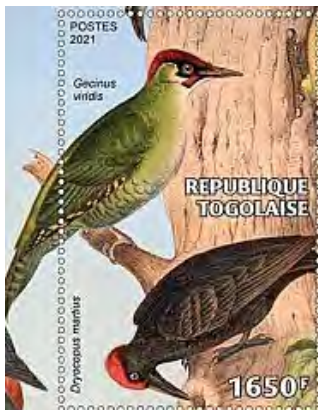
Length: 16 inches, resident. The male (shown on the stamp) is green above and yellow below, with a black head and an orange and black bill; the female has a chestnut head, neck and throat.

Habitat: Forest and woodland.

Range: Southeastern Colombia to western Brazil and north-central Bolivia.

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

the World, Volume 7.



BAMBOO WOODPECKER, *Gecinulus viridis* Picidae

Togo, 2021, not yet cataloged, 1650 fr

Length: 10 inches, resident. The male (shown on the stamp) is dull yellowish-green, with a red crown and nape and a golden-green side of the neck; the female has a dull greenish-yellow head.

Habitat: Lowland forest with clusters of large bamboo.

Range: Southern Myanmar to northern Laos and the Malay peninsula.

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

BROAD-BILLED PARROT, *Lophopsitticus mauritianus* Psittaculidae

Maldives, 2020, not yet cataloged, 20 r Extinct about 1680

Length: 30 inches, sexes alike, resident. Brown with a bluish face, broad bill and a crest on the forehead.

Habitat: Forest.

Range: Mauritius, Indian Ocean

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

**SAN CRISTOBAL FLYCATCHER, *Pyrocephalus rubinus dubius*** Tyrannidae

Sao Tome & Principe, 2013, 2594c, 20000 d Extinct, last reported in 1987.

Length: 5 inches, resident. The male (shown on the stamp) is red, with a brownish black back and a black eye-stripe; the female is brown above and yellow below, with a buffish supercilium and a grayish buff throat.

Habitat: Open habitats.

Range: San Cristobal (also called Chatham), Galapagos.

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

**BLACK-TAILED WAXBILL, *Estrilda perreini*** Estrildidae

Sao Tome & Principe, 2021. not yet cataloged, 31 Db

Length: 4.5 inches, sexes similar, resident Pearly gray, paler below, with a red rump and a black tail and streak in front of the eye.

Habitat: Forest, open woodland and thickets.

Range: Southern Gabon and northern Angola to southern Tanzania and northeastern South Africa.

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

**HOODED TANAGER, *Nemosia pileata*** Thraupidae

Surinam, 2020, not yet cataloged, \$5

Length: 5 inches, resident. The male (shown on the stamp) is porcelain blue above and white below, with a black crown, face, chin and sides of the neck and white lores; the female is dull blue above and yellowish white below.

Habitat: Moist woodland and semi-open areas.

Range: Northwestern Colombia to northern Argentina.

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





ICHTHYOLOGY

Editor

J. Dale Shively, BU 1832



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
New Listings				
AITUTAKI				
2020 January 15 (Turtles) Set/8 & SS/8 (w/white frame)				
704	\$10	Loggerhead sea turtle w/UI fish in background		C U
706	\$30	Loggerhead sea turtle w/ Remora, <i>Remora sp.</i> (w/o white frame on all sides)	Echeneidae	B
709a	\$10	Loggerhead sea turtle w/UI fish in background		C U
709c	\$30	Loggerhead sea turtle w/ Remora, <i>Remora sp.</i>	Echeneidae	B
709e	Souvenir sheet of 4, two each of Sc#709a-709d			
ANTIGUA				
2020 May 20 (Seashells) MS/6				
3576	Margin: LL/LC/LR:	Stylized fish		Z
		Moorish Idol, <i>Zanclus cornutus</i>	Zanclidae	
		Seahorse, <i>Hippocampus sp.</i>	Syngnathidae	
		Copperband butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	
ASCENSION				
2020 December 22 (Island Scenes, Flora & Fauna) Set /12				
1226	60p	Resplendent Angelfish, <i>Centropyge resplendens</i>	Pomacanthidae	A
CHINA (People's Republic)				
2020 October 18 (Chagan Lake) Set/3				
4762	\$1.50	U/I fish jumping out of fishermen's nets		U B
COCOS ISLANDS				
2020 October 20 (Currencies used under Clunies-Ross family) Single, SS/4				
410	\$1.10	Stylized fish on coat of arms on scrip		S
411	\$1.10	Stylized fish on coat of arms on tokens		S
413a	Souvenir sheet of 4 Sc#410-413			
COOK ISLANDS				
2020 May 8 (Birds) (Set/4, Blk/4 & SS/4)				
1671	\$3	Common Kingfisher w/UI fish in beak (w/white frame on all sides)		U
1674b	Blk/4, Sc#1671			
1674e	Souvenir sheet of 4 (Sc#1671 w/white frame on two sides)			
FINLAND				
2020 January 22 (Cartoon Characters) Blt/6				
1605b	€1.60	Moomin and (stylized) Seahorse in Water		S
1605c	€1.60	Snufkin Fishing (w/stylized fish on ground)		S
2020 June 3 (Items created in Finland) (Blt/6)				
1613c	€1.60	Rapala Wobler Fishing Lure w/pike LL	Esocidae	B
FRANCE				
2020 June 19 (Tourism Issue) Bklt/12				
5858	97c	Fisherman in Boat w/stylized fish heads above water		S
5860a	Blk/12 (Sc#5849-5860)			

FRANCE (continued)**2020 July 10** (Bouillabaise Ingredients) Single

5867 €1.40 Stylized fish w/tomatoes and other vegetables S U

GAMBIA**2018 January 4** (Fishing) Sht/4 & SS/13768a 70d Starry Triggerfish, *Abalistes stellaris* Balistidae A3768c 90d Wahoo, *Acanthocybium solandri* Scombridae A3768 Margin Sht/4 LR: Starry Triggerfish, *Abalistes stellaris* Balistidae ZLR: Wahoo, *Acanthocybium solandri* Scombridae Z**INDONESIA****2019 November 5** (Flora and Fauna) Strip/32514a 3000r *Stiphodon annieae* (no common name) Gobiidae A**JAPAN****2020 October 9** (Art) MS/10

4450 Sheet of 10

4450d ¥84 Salmon (painting of fish w/fillet removed); by Yuichi Takahashi (1828-94) Salmonidae A

2020 November 11 (Food Dishes) Sht/10

4456 Sheet of 10

4456c ¥63 Carved Bear (w/UI fish in mouth) and Ice Cream Cone C U

4457d ¥84 Dried mackerel on plate Scombridae A

4457g ¥84 Salmon hot pot food dish Salmonidae A

4457h ¥84 Salmon soup w/vegetables Salmonidae A

2020 November 27 (Children's Book Illustrations by Leo Lionni (1910-99)) (Sht/10)

4462a ¥84 Stylized Blackfish, rocks and seaweed S

4462b ¥84 Stylized Blackfish approaching school of fish S

4462c ¥84 Stylized Blackfish as eye of fish-shaped school of fish S

4462d ¥84 Close-up of fish-shaped school S

LIBERIA**2020 January 6** (Marine Life of Liberia) Sht/6 & SS/13356a \$200 Spotted Eagle Ray, *Aetobatus narinari* Myliobatidae A3356 Margin SS/6 UL: Yellow Surgeonfish, *Acanthurus xanthopterus* Acanthuridae Z

UR: Three U/I fish Z

3363 SS/1 \$1200 Blue Marlin, *Makaira nigricans* Istiophoridae AMarginL: (2) Bull Shark, *Carcharhinus leucas* Carcharhinidae Z**2020 March 26** (Goldfish) Sht/4 & SS/43404a \$300 *Carassius auratus* W/blue background Cyprinidae A

3404b \$300 Same species, Swimming up Cyprinidae A

3404c \$300 Same species, White and orange variety Cyprinidae A

3404d \$300 Same species, Swimming down Cyprinidae A

3404 Margin: Multiple goldfish Cyprinidae Z

Label Goldfish (in center of Sc#3404a-3404d) Cyprinidae Z

3419a \$600 Same species, Orange and white fish; different Cyprinidae A

3419b \$600 Same species, Black and white fish Cyprinidae A

3419 Margin: Multiple goldfish Cyprinidae Z

2020 June 28 (WWF for Nature Stamps From Countries Beginning with "R") Sht/6 & SS/43464d \$225 Danube Sturgeon, *Acipenser gueldenstaedtii*
(Romania #3955 s-o-s) Acipenseridae A3466 \$330 Sturgeon, *Acipenser sturio* (Romania #3956 s-o-s) Acipenseridae A

MACAO		2020 October 9 (Protected Animals) Blk/4		
1614c	4.50p	LL: Stylized fish		S
MARSHALL ISLANDS		2020 May 22 (Marine Life) Set/4		
1266	\$8.80	Spotted eagle ray, <i>Aetobatus narinari</i>	Myliobatidae	A
PORTUGAL		2020 August 27 (Underwater Cable Between Portugal and Great Britain) Horz. pair		
4259a	N	UL: Stylized fish		S
RUSSIA		2020 November 3 (Mari El Republic Cent.) (Single)		
8216	Margin	UR: Stylized fish		Z
SOUTH GEORGIA & SOUTH SANDWICH ISLANDS		2020 October 15 (Animal Life) Set/12		
629	£3	Toothfish feeding on small fish, <i>Dissostichus sp.</i>	Nototheniidae	A
SURINAM		2020 October 7 (Fish) (Blk/12)		
Note: 1602a sold for \$3 on day of issue.				
1602a	F	American Shad, <i>Alosa sapidissima</i>	Clupeidae	A
1602b	\$6	Arctic Cisco, <i>Coregonus autumnalis</i>	Salmonidae	A
1602c	\$9	Lake Whitefish, <i>Coregonus clupeaformis</i>	Salmonidae	A
1602d	\$10	American Gizzard Shad, <i>Dorosoma cepedianum</i>	Clupeidae	A
1602e	\$11	Goldeye, <i>Hiodon alosoides</i>	Hiodontidae	A
1602f	\$12	Silver Redhorse, <i>Moxostoma anisurum</i>	Catostomidae	A
1602g	\$13	Gray Redhorse, <i>Moxostoma congestum</i>	Catostomidae	A
1602h	\$14	Greater Jumprock, <i>Moxostoma lachneri</i>	Catostomidae	A
1602i	\$15	Striped Jumprock, <i>Moxostoma rupiscartes</i>	Catostomidae	A
1602j	\$16	Rainbow Smelt, <i>Osmerus mordax</i>	Osmeridae	A
1602k	\$20	Pygmy Whitefish, <i>Prosopium coulterii</i>	Salmonidae	A
1602l	\$21	Round Whitefish, <i>Prosopium cylindraceum</i>	Salmonidae	A
TRISTAN DA CUNHA		2020 September 29 (Sharks) Set/4		
1182	45p	Broadnose sevengill shark (facing RT), <i>Notorynchus cepedianus</i>	Hexanchidae	A
1183	70p	Porbeagle (Shark) (facing LT), <i>Lamna nasus</i>	Lamnidae	A
1184	£1.10	Great Hammerhead Shark (facing RT), <i>Sphyrna mokarran</i>	Sphyrnidae	A
1185	£1.50	Blue shark (facing LT), <i>Prionace glauca</i>	Carcharhinidae	A
UNITED NATIONS		2020 December 5 (World Soil Day) Strip/5 & Sht/10		
Note: Label could be personalized only at UN Headquarters; not through mail order.				
1258	\$1.20	Stylized Arctic grayling (with label), <i>Thymallus arcticus</i>	Salmonidae	A
1258a	Vert. strip/5	(Sc#1258-1262 w/5 labels)		
1258b	Sht/10	(2 each of Sc#1258-1262 w/10 labels)		
URUGUAY		2020 September 20 (World Tourism Day) Sht/10		
2717e	25p	Canotaje/Pesca Artesenal (Rafting/Artisanal Fishing); Fisherman holding Fish; Dorado(?), <i>Salminus brasiliensis</i>	Bryconidae	B



ENTOMOLOGY

Editors

Don Wright BU 243
and Jose Reis BU 1889



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ARMENIA				
2020 December 28 (Flora & Fauna of Armenia) Set/2				
330d		Romanov's Hairstreak, <i>Tomares romanovi</i> Christoph	LYC, Theclinae	A
Nagorno Karabakh				
2021 April 9 (Europa) Set/3				
500d		Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	A
BELARUS				
2020 July 4 (Stylized Insects & Vegetables) Set/14, SS/14				
1188	5k	Stylized Bee & carrot	Apidae	C
1190	20k	Stylized Dragonfly & tomato	Odonata	C
1192	50k	Stylized Ant & garlic	Formicidae	C
1193	A (54k)	Stylized Caterpillar & potato	Lepidoptera	C
1194	1r	Stylized Butterfly & cabbage	Lepidoptera	C
1195	N (1.50r)	Stylized Insect & radish	Insecta	C
1196	M (1.74r)	Stylized Bee & beet	Apidae	C
1197	H (1.86r)	Stylized Grasshopper & peas	Orthoptera	C
1198	2r	Stylized Butterfly & pepper	Lepidoptera	C
1199	P (2.04r)	Stylized Butterfly & pumpkin	Lepidoptera	C
1199a		Souvenir sheet of 14		
2020 July 14 (Greetings from Belarus) Single				
1200	N (1.50r)	Stylized Butterflies	Lepidoptera	C
2020 August 14 (Bee and hive) Single				
1203	P (2.40r)	Honeybee, <i>Apis mellifera</i> L.	API, Apinae	B
BELGIUM				
2021 January 25 (Geometry of Nature – Circles) Set/5				
a	1st	Menelaus Blue Morpho, <i>Morpho menelaus</i> L.	NYM, Morphinae	A
CYPRUS				
2021 May 3 (Europa) Set/2				
34c		Cyprus Honeybee, <i>Apis mellifera cypria</i> Pollman	API, Apinae	A
CZECH REPUBLIC				
2020 June 17 (Painting by Josef Liesler) Set/6				
3830c	(19k)	Butterfly	Nymphalidae	C
DENMARK				
2021 May 20 (Europa) Set/5				
11k		Pearl Fritillary, <i>Clossiana euphrosyne</i> L.	NYM, Heliconiinae	A
11k		Northern Checkered Skipper, <i>Carterocephalus sylvicola</i> Meigen	HES, Heteropterinae	A
11k		Alcon Blue, <i>Maculinea alcon</i> Denis & Schiffermuller	LYC, Polyommatainae	A
11k		Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A
11k		Purple-edged Copper, <i>Lycaena hippothoe</i> L.	LYC, Lycaeninae	A

FRANCE		2020 June 19 (Vacations) Set/12	
5857 (97c)	NYM at L, LYC at R.		
5860a	bklt of 12	Lepidoptera	B
		2021 May 25	
€1.50	Scarce Heath, <i>Coenonympha hero</i> L.	NYM, Satyrinae	B
GAMBIA		2021 March 15 Set/6, SS/1	
a	70d Moth	Sphingidae	A
b	70d Plain Tiger, <i>Danaus chrysippus</i> L.	NYM, Danainae	A
c	70d Dragonfly	Anisoptera	A
d	70d Variegated Grasshopper, <i>Zonocerus variegatus</i> L.	PYRG, Pyrgomorphae	A
e	70d African Weaver Ant, <i>Oecophylla longinoda</i> Latreille	FOR, Formicinae	A
f	70d Bee	Apoidea	A
	250d 7-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	A SS
GERMANY		2020 December 3 (Maya the Bee, children's book)	
3193	80c Stylized Bees	API, Apinae	B
		2021 May 6 (Europa) Single	
80c	UL: <i>Mycetoma suturale</i> Paanzer	Tetratomidae, Hallomeninae	A
	UR: <i>Ceruchas chrysomelinus</i> Hochenwarth	LUC, Syndesinae	A
	LR: <i>Tragosoma depsarium</i> L.	CER, Prioninae	A
GREAT BRITAIN			
Guernsey		2021 April 7 (Europa – Endangered Species) Set/8, SS/2	
70p	Atlantic Beach-cricket, <i>Pseudmogoplistes vicentae</i> Gorochov	MOG, Mogoplistinae	A
£1.15	Black-backed Meadow Ant, <i>Formica pratensis</i> Retzius	FOR, Formicinae	A
£2.20	Glanville Fritillary, <i>Melitaea cinxia</i> L.	NYM, Nymphalinae	A
Isle of Man		2021 April 12 (Calf of Man) Set/10	
d	1st Garden Tiger Moth, <i>Arctia caja</i> L.	ARC, Arctiinae	A
GREECE		2019 November 25	
2903 (72c)	Stylized sloth with 2 stylized insects	U/I Insects	C
IRELAND		2021 May 6 (Europa) Set/2	
N (€1)	White Prominent Moth, <i>Leucodonta bicoloria</i> Denis & Schffermuller	NOT, Notodontinae	A
ISRAEL		2020 September 8 (My Own Stamp – Butterflies)	
a	(2.50s) African Monarch, <i>Danaus chrysippus chrysippus</i> L.	NYM, Danainae	AZ
b	(2.50s) Zeller's Common Blue <i>Polyommatus icarus zelleri</i> Verity	LYC, Polyommatae	AZ
c	(2.50s) Tawny Silverline, <i>Cigaritis acamas acamas</i> Klug	LYC, Theclinae	AZ
d	(2.50s) Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae	AZ
e	(2.50s) Caper White, <i>Belenois aurota</i> Fabr.	PIE, Pierinae	AZ
f	(2.50s) Syrian Swallowtail, <i>Papilio machaon syriacus</i> Verity	PAP, Papilioninae	AZ
All of the above also in margins			

JAPAN		2020 October 16 (Artworks) Set/20	
4450	Sheet of 10		
4450f ¥84	8 Stylized Moths in "Fire Dance" painting	Lepidoptera	C
		2020 October 23 (Summer greetings) SS/2	
4451b ¥84	Insect, collecting net & mail box	Insecta	C
KYRGYZSTAN		2021 April 9	
140s	European Mantis, <i>Mantis religiosa</i> L.	MAN, Mantinae	A
MALDIVE ISLANDS		2017 June 21 (Paintings of Mushrooms) Set/4, SS/1	
3965a 22r	Insect in mushroom & gnome house painting	Insecta	C
3975 70r	Insect & 3 red mushrooms	Insecta	C SS
NETHERLANDS		2021 February 22	
b 1st	Green Darner, <i>Aeshna viridis</i> Eversmann	AES, Aeshninae	A
e 1st	Sooty Copper, <i>Lycaena tityrus</i> Poda	LYC, Lycaeninae	A
		2021 May 10	
a&b 1st	Stylized Bees	Apidae	A
NORWAY		2021 April 23 (Europa) Set/2	
20g	Great Yellow Bumblebee, <i>Bombus distinguendus</i> Morawitz	API, Apinae	A
POLAND		2020 October 8	
4508a 3.30z	Helena Morpho, <i>Morpho helena</i> Staudinger. Caption: helene NYM, Morphinae		A
4508b 3.30z	Sky Blu Morpho, <i>Morpho portis</i> Hubner	NYM, Morphinae	A
4508c 3.30z	Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	A
4508d 3.30z	<i>Agrias narcissus</i> Staudinger	NYM, Charaxinae	A
		2021 April 30	
a 3.30z	<i>Andrena metallescens</i> Cockerell	AND, Andreninae	A
b 3.30z	<i>Dasypoda altercator</i> Harris	*MELI, Dasypodainae	A
c 3.30z	<i>Halictus</i> sp.	HAL, Halictinae	A
d 3.30z	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
e 3.30z	<i>Sphecodes</i> sp.	HAL, Halictinae	A
f 3.30z	Common Carder Bee, <i>Bombus pascuorum</i> Scopoli	API, Apinae	A
* New Family Abbreviation: MELI = Melittidae			
SURINAME		2019 December 27 (New data)	
1577-92, 16x\$5.	Various stylized Insects & Butterflies in margins	U/I	Z
1581 \$5	Hawaiian Beet Webworm, <i>Spoladea recurvalis</i> Fabr.	CRA, Spilomelinae	A
1585 \$5	Indian Leaf, <i>Kallima paralekta</i> Horsfield	NYM, Nymphalinae	A
1591 \$5	Painted Lady, <i>Vanessa cardui</i> L.	NYM, Nymphalinae	A
1592 \$5	Lime Swallowtail, <i>Papilio demoleus</i> L.	PAP, Papilioninae	A
The above are in s/s of one. The following exist in an s/t of 16 with multiple stylized insects & butterflies on the stamps and in the margins:			
c \$5	Katydid	Tettigoniidae	A
f \$5	Butterfly	Lepidoptera	A
g \$5	Stylized Skipper	Hesperiidae	A
i \$5	Indian Leaf, <i>Kallima paralekta</i> Horsfield	NYM, Nymphalinae	A

SURINAME (continued)

l	\$5	Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	A
o	\$5	Painted Lady, <i>Vanessa cardui</i> L.	NYM, Nymphalinae	A
p	\$5	Lime Swallowtail, <i>Papilio demoleus</i> L.	PAP, Papilioninae	A

SWITZERLAND**2021 May 6** (Europa)Set/2

a	100c	Woodland Brown, <i>Lopinga achine</i> Scopoli	NYM, Satyrinae	A
b	100c	Scarce Large Blue, <i>Maculinea teleis</i> Bergstrasser	LYC, Polyommatae	A

BEYOND THE CATALOG - Not listed in catalogs**CENTRAL AFRICA REP.****2020 November 30** (Stamperija CA-200622a&b) MS/4,SS/1

a	900fr	Mustard White, <i>Pieris napi</i> L.	PIE, Pierinae	A
b	900fr	Wood White, <i>Leptidea sinapis</i> L.	PIE, Dismorphiinae	A
c	900fr	Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae	A
d	900fr	Common Blue, <i>Polyommatus icarus</i> Rottembur	LYC, Polyommatae	A
	3600fr	Marsh Fritillary, <i>Euphydryas aurinia</i> Rottemburg	NYM, Nymphalinae	A SS
	Margin:	Old World Swallowtail, <i>Papilio machaon</i> L., larva & adult	PAP, Papilioninae	A SS Z
		LR: Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	A SS Z

2021 January 29 (Extinct Insects and Invertebrates) (Stamperija CA-210106a&b) MS/4, SS/1

a	800fr	Sloan's Urania, <i>Urania sloanus</i> Cramer	URA, Uraniinae	A
b	800fr	Rocky Mountain Locust, <i>Melanoplus spretus</i> Walsh	ACR, Melanoplinae	A
d	800fr	<i>Genophantis leahi</i> Sweze	PYR, Phycitinae	A
	3600fr	<i>Mecodema punctellum</i> Broun	CAR, Broscinae	A SS
	Margin Top:	Poko Noctuid Moth, <i>Agrotis crinigera</i> Butler	NOC, Noctuinae	A SS Z
		LR: Xerces Blue, <i>Glaucopsyche xerces</i> Boisduval	LYC, Polyommatae	A SS Z

2021 March 31 (Stamperija CA-210214a&b)

a	900fr	<i>Olyras insignis</i> Salvin, at top	NYM, Danainae	B
		<i>Olyras theon</i> Bates, at bottom	NYM, Danainae	B
b	900fr	Shining Purplewing, <i>Eunica alpais excelsa</i> Godman & Salvin	NYM, Biblidinae	A
c	900fr	Sapho Longwing, <i>Heliconius sapho</i> Drur	NYM, Heliconiinae	A
d	900fr	3-banded Crescent, <i>Eresia ithomioides eutropia</i> Hewitson, at top	NYM, Nymphalinae	B
		Emerantia Crescent, <i>Eresia emerantia coela</i> Druce, at bottom	NYM, Nymphalinae	B
	3600fr	Orange-stained Purplewing, <i>Eunica chlororhoa mira</i> Godman & Salvin	NYM, Biblidinae	A SS
	Margin LL:	Banded Mapwing, <i>Hypanartia dione</i> Latreille	NYM, Nymphalinae	A SS Z
	M-Top:	Thick-edged Longwing, <i>Eueides lineata</i> Salvin & Godman	NYM, Heliconiinae	A SS Z
		UR: Cloud-forest Monarch, <i>Anetia thirza</i> Geyer	NYM, Danainae	Z
		LR: Bordered Patch, <i>Chlosyne lacinia</i> Geyer	NYM, Nymphalinae	Z

GUINEA**2021 February 25** (Mushrooms & Insects) (Stamperija GU-210101a&b)

a	15,000fr	Green Milkweed Locust, <i>Phymateus viridipes</i> Stål	PYRG, Pyrgomorphinae	A
d	15,000fr	<i>Oplerclanis boisduvali</i> Aurivillius	SPH, Smerinthinae	A
	60,000fr	Picasso Bug, <i>Sphaerocoris annulus</i> Fabr.	SCU, Scutellerinae	A
	Margin:	Giant African Mantid, <i>Sphodromantis viridis</i> Forskål	MAN, Mantinae	A SS Z

2021 February 25 (Stamperija GU-210112a&b)

a	15,000fr	Large Striped Swordtail, <i>Graphium antheus</i> Cramer	PAP, Papilioninae	A
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GUINEA (continued)

b	15,000fr	Evening Brown, <i>Melanitis leda</i> L.	NYM, Satyrinae	A
c	15,000fr	Broad-Bordered Grass Yellow, <i>Eurema brigitta</i> Stoll	PIE, Coliadinae	A
d	15,000fr	Narrow Blue-banded Swallowtail, <i>Papilio nireus</i> L.	PAP, Papilioninae	A
	60,000fr	Caper White, <i>Belenois aurota</i> Fabr.	PIE, Pierinae	A
Margin L:	Butterfly		Nymphalidae	Z
	R:	White-barred Charaxes, <i>Charaxes brutus</i> Cramer	NYM, Charaxinae	Z

2021 February 25 (Stamperija GU-210113a&b)

a	15,000fr	<i>Xylocopa caffra</i> L.	API, Xylocopinae	A
b	15,000fr	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A
c	15,000fr	Blue-banded Bee, <i>Amegilla zonata</i> L.	API, Apinae	A
d	15,000fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
	60,000fr	Neon Cuckoo Bee, <i>Thyreus nitidulus</i> Fabr.	API, Xylocopinae	A
Margin UR:	Common Furrow Bee, <i>Lasioglossum calceatum</i> Scopoli		HAL, Halictinae	Z
MR:	Smooth-faced Furrow Bee, <i>Lasioglossum fratellum</i> Perez		HAL, Halictinae	Z

LIBERIA**2021 February 1** (Stamperija LIB-210113a&b)

a	\$300	Dark Blue Tiger, <i>Tirumala septentrionis</i> Butler	NYM, Danainae	A
b	\$300	Speckled Wood Butterfly, <i>Pararge aegeria</i> L.	NYM, Satyrinae	A
c	\$300	Large Blue, <i>Maculinea arion</i> L.	LYC, Polyommatae	A
d	\$300	Brimstone, <i>Gonepteryx rhamni</i> L.	PIE, Coliadinae	A
	\$1200	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A
Margin LL:	Monarch, <i>Danaus plexippus</i> L.		NYM, Danainae	Z
LR:	Pipevine Swallowtail, <i>Battus philenor</i> L.		PAP, Papilioninae	Z

NIGER**2020 June 10** (Stamperija NIG-200208a&b)

a	800fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
b	800fr	Buff-tailed Bumblebee, <i>Bombus terrestris</i> L.	API, Apinae	A
c	800fr	<i>Anthidium oblongatum</i> Illiger	MEG, Megachilinae	A
d	800fr	Alfalfa Leaf-cutting Bee, <i>Megachile rotundata</i> Fabr.	MEG, Megachilinae	A
	3300fr	Large Bee-fly, <i>Bombylius major</i> L.	BOM, Bombyliidae	A
Margin:	European Beewolf, <i>Philanthus triangulum</i> Fabr.		CRA, Philanthinae	Z

2020 June 10 (Stamperija NIG-200213a&b)

a	800fr	Burrowing Mayfly, <i>Ephemera vulgata</i> L.	EPH, Ephemerinae	A
c	800fr	European Skipper, <i>Thymelicus lineola</i> Ochsenheimer	HES, Hesperinae	A
d	800fr	Red Wood Ant, <i>Formica rufa</i> L.	FOR, Formicinae	A
	3300fr	Large White, <i>Pieris brassicae</i> L.	PIE, Pierinae	A
Margin:	Sooty Copper, <i>Lycaena tityrus</i> Poda		LYC, Lycaeninae	Z

2021 February 25 (Mushrooms) (Stamperija NIG-210103a&b)

a	800fr	Hairy Hawker, <i>Brachytron pratense</i> Mueller	AES, Brachytroninae	A
b	800fr	Fox Moth, <i>Macrothylacia rubi</i> L., larva	LAS, Lasiocampinae	A
	3300fr.	Apollo, <i>Parnassius apollo</i> L. Also in margin	PAP, Papilioninae	AZ

2021 February 25 (Stamperija NIG-210107a&b)

a	800fr	Spotted Fritillary, <i>Melitaea didyma</i> Esper	NYM, Nymphalinae	A
b	800fr	Banded Mapwing, <i>Hypanartia dione</i> Latreille	NYM, Nymphalinae	A

NIGER (continued)

c	800fr	Painted Lady, <i>Vanessa cardui</i> L.	NYM, Nymphalinae	A
d	800fr	Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	A
	3300fr	Little Tiger Blue, <i>Tarucus balkanicus</i> Freyer	LYC, Polyommatae	A
	Margin:	Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	Z

2021 February 25 (Stamperija NIG-210108a&b)

a	800fr	Common Eastern Bumblebee, <i>Bombus impatiens</i> Cresson	API, Apinae	A
b	800fr	Giant Honeybee, <i>Apis dorsata</i> Fabr.	API, Apinae	A
c	800fr	European Wool-carder Bee, <i>Anthidium manicatum</i> L.	MEG, Megachilinae	A
d	800fr	Red-tailed Bumblebee, <i>Bombus lapidarius</i> L.	API, Apinae	A
	3300fr	Tawny Mining Bee, <i>Andrena fulva</i> Mueller	AND, Andreninae	A
	Margin:	White-tailed Bumblebee, <i>Bombus lucorum</i> L.	API, Apinae	Z

ST. THOMAS & PRINCE IS. 2021 January 22 (Mushrooms) (Stamperija ST-210110a&b)

d	31d	Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	B
	124d	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	B

SIERRA LEONE**2020 March 27** (Stamperija SRL-200319a&b)

a	12,500Le	Central Bumblebee, <i>Bombus centralis</i> Cresson	API, Apinae	A
b	12,500Le	Blue-banded Bee, <i>Amegilla cingulata</i> Fabr.	API, Apinae	A
c	12,500Le	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A
d	12,500Le	Common Carder Bee, <i>Bombus pascuorum</i> Scopoli	API, Apinae	A
	50,000Le	Brown-belted Bumblebee, <i>Bombus griseocollis</i> De Geer	API, Apinae	A
	Margin:	Neon Cuckoo Bee, <i>Thyreus nitidulus</i> Fabr.	API, Xylocopinae	A

2020 June 12 (Stamperija SRL-200408)

a	4x12,500Le	L: Swallowtail Butterfly	PAP, Papilioninae	B
		UR: 2 Insects	U/I	B
		Margin: Above insects in bottom margin of Darwin issue	U/I	Z
b	50,000Le	No insect.		
	Margin Top:	Insects & Swallowtail Butterfly	U/I	Z
		Bottom: Grasshopper	Orthoptera	Z

2020 June 12 (Stamperija SRL-200426a)

a	5000Le	Painted Lady, <i>Vanessa cardui</i> L.	NYM, Nymphalinae	A
b	5000Le	Eurasian Comma, <i>Nymphalis c-album</i> L.	NYM, Nymphalinae	A
c	5000Le	Small Heath, <i>Coenonympha pamphilus</i> L.	NYM, Satyrinae	A
d	5000Le	Map Butterfly, <i>Araschnia levana</i> L.	NYM, Nymphalinae	A
e	5000Le	Mourning Cloak, <i>Nymphalis antiopa</i> L.	NYM, Nymphalinae	A
f	5000Le	Gatekeeper, <i>Pyronia tithonus</i> L.	NYM, Satyrinae	A
g	5000Le	Brimstone, <i>Gonepteryx rhamni</i> L.	PIE, Coliadinae	A
h	5000Le	Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	A
i	5000Le	Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae	A
j	10,000Le	Ringlet, <i>Aphantopus hyperantus</i> L.	NYM, Satyrinae	A

2020 June 12 (Stamperija SRL-200427a&b)

a	12,500Le	Stylized <i>Anopheles</i> sp. & bed net	CUL, Anophelinae	B
b	12,500Le	African Malaria Mosquito, <i>Anopheles gambiae</i> Giles	CUL, Anophelinae	B

SIERRA LEONE (continued)

c	12,500Le	<i>Anopheles maculipennis</i> Meigen	CUL, Anophelinae	B
d	12,500Le	Stylized <i>Anopheles sp.</i> , dusting insecticide	CUL, Anophelinae	B
	50,000Le	<i>Anopheles atroparvus</i> Van Thiel	CUL, Anophelinae	B
	Margin:	<i>Anopheles maculipennis</i> Meigen	CUL, Anophelinae	Z
2020 June 12 (Global Warming) (Stamperija SRL-200428a)				
a	12,500Le	Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	C
2020 June 12 (WWF Fauna S-O-S) (Stamperija SRL-200446a&b)				
e	9000Le	Queen Alexandra's Birdwing, <i>Troides alexandrae</i> Rothschild	PAP, Papilioninae	B
		Papua New Guinea #697 s-o-s		
	15,000Le	Same species, Papua New Guinea #699 s-o-s	PAP, Papilioninae	B
2020 August 31 (Plant Health Year) (Stamperija SRL-200605a&b)				
a	14,500Le	LR: Common Green Lacewing, <i>Chrysoperla carnea</i> Stephens	CHRY, Chrysopinae	B
		UL: Apple Aphid, <i>Aphis pomi</i> De Geer	APH, Aphidinae	B
b	14,500Le	Migratory Locust, <i>Locusta migratoria migratorioides</i> Reiche & Fairmaire	ACR, Oedipodinae	A
c	14,500Le	Pine-tree Lappet, <i>Dendrolimus pini</i> L., With cocoon	LAS, Lasiocampinae	A
d	14,500Le	Large White, <i>Pieris brassicae</i> L.	PIE, Pierinae	A
	58,000Le	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
2020 August 31 (Stamperija SRL-200615a&b)				
a	14,500Le	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A
b	14,500Le	Mustard White, <i>Pieris napi</i> L.	PIE, Pierinae	A
c	14,500Le	Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	A
d	14,500Le	Cloudless Sulfur, <i>Phoebis sennae</i> L.	PIE, Coliadae	A
	58,000Le	Checkered Swallowtail, <i>Papilio demoleus</i> L.	PAP, Papilioninae	A
	Margin:	Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	Z
2020 August 31 (Stamperija SRL-200616a&b)				
a	14,500Le	Blue Orchard Bee, <i>Osmia lignaria</i> Say	MEG, Megachilinae	A
b	14,500Le	European Wool-carder Bee, <i>Anthidium manicatum</i> L.	MEG, Megachilinae	A
c	14,500Le	Buff-tailed Bumblebee, <i>Bombus terrestris</i> L.	API, Apinae	A
d	14,500Le	Red Mason Bee, <i>Osmia bicornis</i> L.	MEG, Megachilinae	A
	58,000Le	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A
	Margin L:	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z
	UR:	Gray Mining Bee, <i>Andrena cineraria</i> L.	AND, Andreninae	Z

TOGO**2021 March 25 (Stamperija)**

a	800fr	Green Black Scarab Dung Beetle, <i>Diabroctis mimas</i> L.	SCA, Scarabaeinae	A
b	800fr	<i>Orthomeges cinnamomeus</i> L.	CER, Prioninae	A
c	800fr	Man-faced Bug, <i>Catacanthus incarnatus</i> Drury	PEN, Pentatominae	A
d	800fr	<i>Poecilocoris druriei</i> L.	SCU, Scutellerinae	A

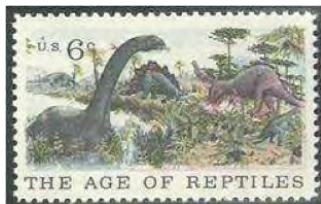
Insect New Issues

	<u>2020</u>	<u>2019</u>
Cataloged insect stamps:	340	347
Non-cataloged (Stamperija):	372	293
Total insect stamps:	712	640

PALEONTOLOGY

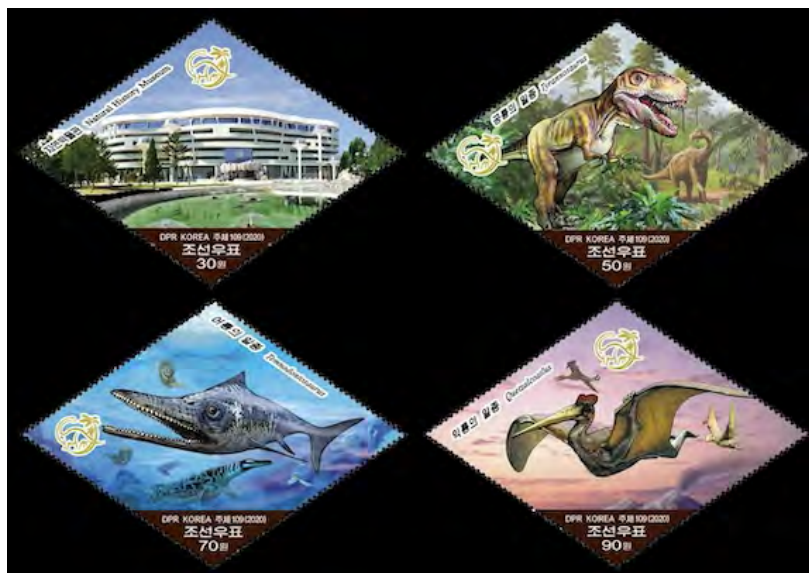
Editor

Michael Kogan, BU 1863



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ARMENIA 2021 May 06 (Flora and fauna of the ancient world) Set/2				
230d		Prehistoric snake, † <i>Titanoboa</i>	Boidae	A
280d		Velociraptor dinosaur, † <i>Velociraptor sp.</i>	†Dromaeosauridae	A
NORTH KOREA 2020 November 12 (Natural History Museum) Set/4				
Set of 4 stamps issued in November last year, but due to COVID-19 lock down of the entire country, still not arrived in the market.				
30w		Natural History Museum Building		
50w		Tyrannosaur, † <i>Tyrannosaurus sp.</i>	†Tyrannosauridae	A MS
		Sauropod dinosaur	Suborder: †Sauropodomorpha	B MS
70w		Ichthyosaur, † <i>Temnodontosaurus</i>	†Temnodontosauridae	A MS
90w		Pterosaur, † <i>Quetzalcoatlus</i>	†Azhdarchidae	A MS



---- Stamps of Stamperija, this time an extremely large number of stamps was produced ----

CENTRAL AFRICAN REPUBLIC		2021 March 31 (Fossils) M/S 4 & S/S 1 [*1]	
850fr	† <i>Scaphiocrinus unicus</i>	†Scaphiocrinidae	A MS
850fr	† <i>Hyocrinus bethellianus</i>	†Hyocrinidae	A MS
850fr	† <i>Eucladocrinus millebrachiatus</i>	Class: Crinoidea	A MS
850fr	† <i>Actinocrinus magnificus</i>	Class: Crinoidea	A MS
3300fr	† <i>Siphonocrinus nobilis</i>	†Lampterocrinidae	A SS
	In margin: † <i>Metacrinus angulatus</i>	†Isselocrinidae	A SS Z
	† <i>Barrandeocrinus sceptrum</i>	†Desmidocrinidae	A SS Z

CENTRAL AFRICAN REPUBLIC (continued)

	† <i>Dizygocrinus originarius</i>	†Batocrinidae	A SS Z
	† <i>Actinocrinus multiramossus</i>	Class: Crinoidea	A SS Z
	2021 January 29 (Flying dinosaurs) M/S 4 & S/S 1 [*1] [*2]		
850fr	† <i>Dorygnathus banthensis</i>	†Rhamphorhynchidae	A MS
850fr	† <i>Ornithodesmus cluniculus</i>	†Unenlagiidae	A MS
850fr	† <i>Gallodactylus canjuersensis</i>	†Gallodactylidae	A MS
850fr	† <i>Anurognathus ammoni</i>	†Anurognathidae	A MS
3300fr	† <i>Pteranodon longiceps</i>	†Pteranodontidae	A SS
	In margin: † <i>Pterodactylus cristatus</i>	Suborder: †Pterodactyloidea	A SS Z
	† <i>Pterodactylus antiquus</i>	Suborder: †Pterodactyloidea	A SS Z
	2021 January 29 (Extinct fishes) M/S 4 & S/S 1 [*1]		
850fr	† <i>Ctenurella gladbachensis</i>	†Ptyctodontidae	A MS
850fr	† <i>Pterichthyodes milleri</i>	†Pterichthyodidae	A MS
850fr	† <i>Yunnanolepis chii</i>	†Yunnanolepididae	A MS
850fr	† <i>Gemuendina stuerzi</i>	†Asterosteidae	A MS
3600fr	† <i>Mesacanthus pusillus</i>	Class: Acanthodii	A SS
	In margin: † <i>Ischnacanthus gracilis</i>	†Ischnacanthidae	A SS Z
	† <i>Dinichthys terrelli</i>	†Dinichthyidae	A SS Z
CHAD	2020 December 31 (Prehistoric animals-Megalodon) (M/S 6 & S/S 1) [*1]		
330fr	† <i>Otodus megalodon</i>	†Otodontidae	A MS
660fr	Same species		A MS
990fr	Same species		A MS
1300fr	Same species		A MS
2600fr	Same species		A SS
	2020 November 20 (Prehistoric humans) M/S 4 & S/S 1 [*1]		
800fr	Cheddar Man, Mesolithic (c. 7100 BC)		
800fr	Neolithic flint tool; The Whitehawk Woman, about 5,500 years ago		
800fr	Solutrean tools, 22,000 to 17,000 years ago; Solutrean human skull, 22,000 to 17,000 years ago		
800fr	† <i>Australopithecus afarensis</i> , about 3.9 and 2.9 million years BP	Hominidae	A MS
3300fr	† <i>Homo neanderthalensis</i> , around 30,000 years before the present	Hominidae	A MS
	In margin: Cheddar Man, Mesolithic (c. 7100 BC)		
	Skull of the elderly man Cro-Magnon		
	Megaloceros of Lascaux, 17,000 years BP, Magdalenian		
	Venus of Dolní Věstonice 29,000 to 25,000 years BP, Gravettian		
	2020 November 20 (Dinosaurs) M/S 4 & S/S 1 [*1]		
800fr	† <i>Pteranodon longiceps</i>	†Pteranodontidae	A MS
800fr	† <i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A MS
800fr	† <i>Tyrannosaurus rex</i>	†Tyrannosauridae	A MS
800fr	† <i>Stegosaurus stenops</i>	†Stegosauridae	A MS
3300fr	† <i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A SS
	In margin: † <i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A SS Z
	† <i>Tyrannosaurus rex</i>	†Tyrannosauridae	A SS Z

DJIBOUTI		2020 December 20 (Dinosaurs) M/S 4 & S/S 1 [*1]	
2250fr	† <i>Melanorosaurus readi</i>	†Melanorosauridae	A MS
2250fr	† <i>Xiaosaurus dashanpensis</i>	Order: †Ornithischia	A MS
	In margin: † <i>Styracosaurus albertensis</i>	†Ceratopsidae	A MS Z
2250fr	† <i>Vulcanodon karibaensis</i>	†Vulcanodontidae	A SS
2250fr	† <i>Proceratosaurus bradleyi</i>	†Proceratosauridae	A SS
	In margin: † <i>Amargasaurus cazau</i>	†Dicraeosauridae	A SS Z
GUINEA		2020 October 26 (Dinosaurs) M/S 4 & S/S 1 [*1]	
15000fr	† <i>Pteranodon longiceps</i>	†Pteranodontidae	A MS
15000fr	† <i>Cryolophosaurus ellioti</i>	Clade: Theropoda	A MS
15000fr	† <i>Triceratops horridus</i>	†Ceratopsidae	A MS
15000fr	† <i>Parasaurolophus walkeri</i>	†Hadrosauridae	A MS
60000fr	† <i>Tyrannosaurus rex</i>	†Tyrannosauridae	A SS
	In margin: † <i>Pteranodon longiceps</i>	†Pteranodontidae	A SS Z
	† <i>Stegosaurus stenops</i>	†Stegosauridae	A SS Z
		2020 October 26 (Extinct species) M/S 4 & S/S 1 [*1]	
15000fr	† <i>Mammuthus primigenius</i>	Elephantidae	A MS
15000fr	† <i>Pinguinus impennis</i>	Alcidae	A MS
15000fr	† <i>Ursus arctos crowtheri</i>	Ursidae	A MS
15000fr	† <i>Smilodon gracilis</i>	Felidae	A MS
60000fr	† <i>Panthera tigris sondaica</i>	Felidae	A SS
	In margin: † <i>Mammuthus primigenius</i>	Elephantidae	A SS Z
	† <i>Smilodon gracilis</i>	Felidae	A SS Z
		2020 December 15 (Prehistoric humans) M/S 4 & S/S 1 [*1]	
15000fr	Ancient petroglyph depicting human figures in Gobustan, Azerbaijan		
15000fr	† <i>Homo neanderthalensis</i> ; Ancient petroglyph, Saudi Arabia	Hominidae	A MS
30000fr	Cro-Magnon man; Cave paintings in Lascaux		
	In margin: Trethevy Quoit, Cornwall, United Kingdom		
		2020 December 15 (Flying dinosaurs) M/S 4 & S/S 2 [*1] [*2]	
15000fr	† <i>Pterodactylus antiquus</i>	Suborder: †Pterodactyloidea	A MS
15000fr	† <i>Dimorphodon macronyx</i>	†Dimorphodontidae	A MS
30000fr	† <i>Pteranodon longiceps</i>	†Pteranodontidae	A SS
		2021 February 25 (Fossils) M/S 3 & S/S 1 [*1]	
15000fr	† <i>Pterodactylus spectabilis</i>	Suborder: †Pterodactyloidea	A MS
15000fr	†Trilobite fossil	Class: †Trilobita	A MS
15000fr	† <i>Myophorella hudlestoni</i>	†Myophorellidae	A MS
15000fr	† <i>Dapalis macrurus</i>	Serranidae	A MS
60000fr	† <i>Notelops brama</i>	Elopidae	A SS
	In margin: † <i>Ancyloceras duvalianum</i>	†Ancyloceratidae	A SS Z
	† <i>Traumatocrinus caudex</i>	Class: Crinoidea	A SS Z
	† <i>Scaphites gigas</i>	Order: †Ammonitida	A SS Z

GUINEA (continued)**2021 February 25** (Dinosaurs) M/S 3 & S/S 1 [*1]

15000fr	† <i>Diplodocus longus</i>	†Diplodocidae	A MS
	† <i>Plateosaurus trossingensis</i>	†Plateosauridae	A MS
15000fr	† <i>Troodon formosus</i>	†Troodontidae	A MS
	† <i>Ornithomimus velox</i>	†Ornithomimidae	A MS
15000fr	† <i>Megalosaurus bucklandii</i>	†Megalosauridae	A MS
	† <i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A MS
15000fr	† <i>Apatosaurus ajax</i>	†Diplodocidae	A MS
	† <i>Brachiosaurus altithorax</i>	†Brachiosauridae	A MS
60000fr	† <i>Chasmosaurus belli</i>	†Ceratopsidae	A MS
	† <i>Stegosaurus stenops</i>	†Stegosauridae	A SS
	In margin: † <i>Baryonyx walkeri</i>	†Spinosauridae	A SS Z
	† <i>Brachiosaurus altithorax</i>	†Brachiosauridae	A SS Z

GUINEA-BISSAU**2021 March 15** (Prehistoric water animals) M/S 4 & S/S 1 [*1]

100fr	† <i>Xenacanthus decheni</i>	†Xenacanthidae	A MS
500fr	† <i>Sanctacaris uncata</i>	†Sanctacarididae	A MS
750fr	† <i>Leancoilia superlata</i>	†Leancoiliidae	A MS
1500fr	† <i>Osteolepis macrolepidotus</i>	†Osteolepidae	A MS
3000fr	† <i>Elasmosaurus platyurus</i>	†Elasmosauridae	A SS
	In margin: † <i>Ichthyosaurus communis</i>	†Ichthyosauridae	A SS Z

2021 March 15 (Prehistoric water animals) M/S 4 & S/S 1 [*1]

100fr	† <i>Cladoselache fylleri</i>	†Cladoselachidae	A MS
500fr	† <i>Dunkleosteus terrelli</i>	†Dunkleosteidae	A MS
750fr	† <i>Cameroceras trentonense</i>	†Endoceratidae	A MS
1500fr	† <i>Geosaurus giganteus</i>	†Metriorhynchidae	A MS
3000fr	† <i>Kronosaurus queenslandicus</i>	†Pliosauridae	A SS
	In margin: † <i>Peloneustes philarchus</i>	†Pliosauridae	A SS Z
	† <i>Lunataspis aurora</i>	Order: Xiphosura	A SS Z

2020 November 30 (Shells & fossils) M/S 4 & S/S 1 [*1]

100fr	<i>Nautilus pompilius</i>	Nautilidae	A MS
	† <i>Triceratops horridus</i>	†Ceratopsidae	A MS
500fr	<i>Turbo petholatus</i>	Turbinidae	A MS
	†Ammonoidea	Subclass: †Ammonoidea	A MS
	<i>Turbo chrysostomus</i>	Turbinidae	A MS
1500fr	†Mosasaur fossil tooth	†Mosasauridae	A MS
	† <i>Archaeopteryx lithographica</i>	†Archaeopterygidae	A MS
750fr	<i>Turbo marmoratus</i>	Turbinidae	A MS
	† <i>Drotops megalomanicus</i>	†Phacopidae	A MS
3000fr	<i>Cypraecassis rufa</i>	Cassidae	A SS
	†Ammonoidea	Subclass: †Ammonoidea	A MS
	In margin: <i>Pseudovertagus aluco</i>	Cerithiidae	A SS Z
	† <i>Tyrannosaurus rex</i>	†Tyrannosauridae	A SS Z

GUINEA-BISSAU (continued)**2020 November 30** (Dinosaurs) M/S 4 & S/S 1 [*1]

100fr	† <i>Triceratops horridus</i>	†Ceratopsidae	A MS
500fr	† <i>Stegosaurus stenops</i>	†Stegosauridae	A MS
1500fr	† <i>Ornithocephalus antiquus</i>	Suborder: †Pterodactyloidea	A MS
750fr	† <i>Ankylosaurus magniventris</i>	†Ankylosauridae	A MS
3000fr	† <i>Velociraptor mongoliensis</i>	†Dromaeosauridae	A MS
	In margin: † <i>Parasaurolophus walkeri</i>	†Hadrosauridae	A SS Z

2020 November 30 (Extinct species) M/S 4 & S/S 1 [*1]

100fr	† <i>Elasmotherium sibiricum</i>	Rhinocerotidae	A MS
500fr	† <i>Smilodon fatalis</i>	Felidae	A MS
1500fr	† <i>Deinotherium giganteum</i>	†Deinotheriidae	A MS
750fr	† <i>Hoplophoneus cerebralis</i>	†Nimravidae	A MS
3000fr	† <i>Smilodon populator</i>	Felidae	A SS
	In margin: † <i>Macrauchenia patachonica</i>	†Macrauchiidae	A SS Z

2020 November 30 (80y discovery of cave paintings, Lascaux) M/S 4 & S/S 1 [*1]

100fr	Lascaux Cave Paintings
500fr	Lascaux Cave Plan
1500fr	Lascaux Cave Entrance
750fr	Simon Coencas 1927–2020
3000fr	Lascaux Cave

In margin: Lascaux Cave was found on September 12, 1940; Marcel Ravidat 1922–1995;
Simon Coencas 1927–2020; Georges Agnel 1924–2012; Jacques Marsal 1926–1989

LIBERIA**2021 February 1** (Extinct species) M/S 4 & S/S 1 [*1]

\$300	† <i>Thylacinus cynocephalus</i>	†Thylacinidae	A MS
\$300	† <i>Gomphotherium angustidens</i>	†Gomphotheriidae	A MS
\$300	† <i>Coelodonta antiquitatis</i>	Rhinocerotidae	A MS
\$300	† <i>Thylacoleo carnifex</i>	†Thylacoleonidae	A MS
\$1200	† <i>Smilodon fatalis</i>	Felidae	A SS
	In margin: † <i>Gomphotherium angustidens</i>	†Gomphotheriidae	A SS Z

2021 February 1 (Prehistoric water animals) M/S 4 & S/S 1 [*1]

\$300	† <i>Eurhinosaurus longirostris</i>	†Leptonectidae	A MS
\$300	† <i>Ceresiosaurus lanzi</i>	†Nothosauridae	A MS
\$300	† <i>Tylosaurus proriger</i>	†Mosasauridae	A MS
\$300	† <i>Ichthyosaurus communis</i>	†Ichthyosauridae	A MS
\$1200	† <i>Hybodus hauffianus</i>	†Hybodontidae	A SS
	In margin: † <i>Ichthyosaurus communis</i>	†Ichthyosauridae	A SS Z

NIGER**2021 February 25** (Fossils) M/S 4 & S/S 1 [*1]

800fr	†Ammonite	Subclass: †Ammonoidea	A MS
800fr	† <i>Pseudoberyx syriacus</i>	Order: Beryciformes	A MS
800fr	Fossil ray	Suborder: † <i>Myliobatoidei</i>	A MS
800fr	† <i>Leonaspis deflexa</i>	†Odontopleuridae	A MS
3300fr	<i>Platax teira</i>	Ephippidae	A SS

NIGER (continued)

In margin: †*Ataxioceras* sp. †Ataxioceratidae A SS Z

†*Orthosphinctes proinconditus* †Ataxioceratidae A SS Z

2021 February 25 (Dinosaurs) M/S 4 & S/S 1 [*1]

800fr †*Probactrosaurus gobiensis* Superfamily: †Hadrosauroidea A MS

800fr †*Prosaurolophus maximus* †Hadrosauridae A MS

800fr †*Shunosaurus lii* Clade: †Eusauropoda A MS

800fr †*Yangchuanosaurus shangyouensis* †Metriacanthosauridae A MS

3300fr †*Abelisaurus comahuensis* †Abelisauridae A MS

In margin: †*Allosaurus fragilis* †Allosauridae A SS Z

SÃO TOMÉ AND PRÍNCIPE 2021 January 22 (Fossils) M/S 4 & S/S 1 [*1]

31.00Db †*Kettneraspis* sp. †Odontopleuridae A MS

21.00Db †*Aeger libanensis* †Aegeridae A MS

31.00Db †*Dapalis macrurus* Serranidae A MS

31.00Db †*Mioplosus labracoides* Percidae A MS

124.00Db †*Leptosphinctes* sp. Subclass: Ammonoidea A SS

In margin: †*Smilodon populator* Felidae A SS Z

†*Kettneraspis* sp. †Odontopleuridae A SS Z

TOGO 2021 March 25 (Fossils) M/S 4 & S/S 1 [*1]

800fr †*Dichocrinus ovatus* †Dichocrinidae A MS

800fr †*Dichocrinus liratus* †Dichocrinidae A MS

800fr †*Pterotocrinus depressus* †Dichocrinidae A MS

800fr †*Pterotocrinus acutus* †Dichocrinidae A MS

3300fr †*Pterotocrinus acutus* †Dichocrinidae A SS

In margin: †*Eucladocrinus millebrachiatus* †Odontopleuridae A SS Z

†*Eucladocrinus pleurovimineus* †Odontopleuridae A SS Z

2021 March 25 (Dinosaurs) M/S 4 & S/S 1 [*1]

800fr †*Nedoceratops hatcheri* †Ceratopsidae A MS

800fr †*Hypselosaurus priscus* Clade: †Titanosauria A MS

800fr †*Jaxartosaurus aralensis* †Hadrosauridae A MS

800fr †*Triceratops horridus* †Ceratopsidae A MS

3300fr †*Aralosaurus tuberiferus* †Hadrosauridae A SS

In margin: †*Opisthocoelicaudia skarzynskii* †Saltosauridae A SS Z

†*Ankylosaurus magniventris* †Ankylosauridae A SS Z

Postmarks

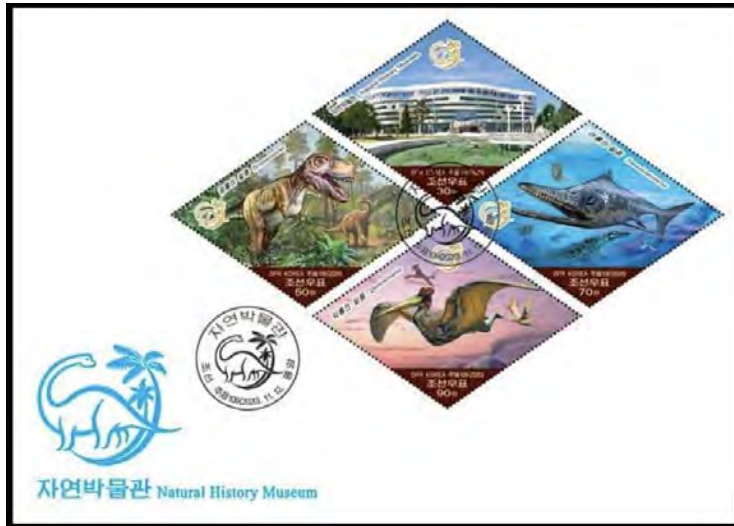
Armenia 2021 May 06 “Flora and fauna of the ancient world (V)” [FDC]

Dinosaur footprint

North Korea 2020 November 12 “Natural History Museum” [FDC]

Sauropod dinosaur, the same as shown on the logo of the museum, depicted on the postmark of the FDC.





Future issues

November 2021 - Poland - set of three stamps "Dinosaurs".

Tentative 2022 - Kyrgyzstan - Dinosaurs

Notes:

[*1] - Commercial issue: stamps are issued with only one purpose - to sell for collectors. Stamps of countries who issued too many or too expensive stamps. Not recommended for serious collectors.

[*2] - Flying dinosaurs is an incorrect term, as dinosaurs per definition are terrestrial animals. The flying reptiles called Pterosaurs. Flying dinosaurs is not a correct term to apply to the animals shown on these stamps. The animals pictured are pterosaurs. Pterosaurs are a group of flying reptiles in the Archosauria. Reptiles in the archosaurs include crocodiles, dinosaurs, and pterosaurs.

If you know about any recent or feature Paleontology related stamp not listed above, please send a short message to our Associate Editor Mr. Michael Kogan admin@paleophilatelie.eu or per post to the magazine, address found at the beginning of the magazine.

Images and description of all stamps, postal stationeries and postmarks mentioned above can be seen on the following website: <http://www.paleophilatelie.eu/year/current.html> (2021) or <http://www.paleophilatelie.eu/year/2020.html> (2020)



www.Paleophilatelie.eu



the most comprehensive resource about Paleontology and Paleoanthropology in Philately, the place where Paleontology and Paleoanthropology meets Philately



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

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.

<https://www.collectorsclubchicago.org/philatelic-encyclopedia/>

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/>*

American Topical Association. Topical collecting and exhibiting information, youth activities, checklists. *<https://americantopical.org>*

Collect 4 All. Listings of stamps for sale by country and theme. Includes spectrum of animal stamps. *<http://www.collect4all.com/>*

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

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

The Philatelist. A blog by a philatelic journalist in Portugal. Displayed in several selectable languages. Contains current philatelic news stories and links to archives with past stories. Also

includes links to dozens of other world-wide philatelic websites. Philatelic publication reviews.

<http://o-filatelista.blogspot.com/>

Tree of Life Web Project. Worldwide collaborative effort to map the genome of every organism on earth and to establish their relationships to one another. *<http://www.tolweb.org/tree>*

BOTANY:

Fungal Biodiversity Institute. Dutch site under the Royal Netherlands Academy of Science and Arts dealing with the taxonomy and evolution of fungi. Includes searchable taxonomic databases.

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

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

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

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

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

ENTOMOLOGY:

Antbase. On-line databases maintained by the American Museum of Natural History and Ohio State University listing all the ant species of the world. *<http://www.antbase.org/index.htm>*

Australian National Insect Collection. Listings of Common and Scientific Names, systematic listing, and author abbreviations. *<http://www.ces.csiro.au/aicn/intro.htm>*

Bug Guide. Identification, images, and information for insects, spiders, and their kin for the United States and Canada. *<https://bugguide.net/node/view/15740>*

Cerambycidae. Species listing and illustrations of Cerambycidae of the West Palearctic Region organized by subfamily and tribe. *<http://www.cerambyx.uochb.cz/>*

Entomological Data Information System. Internet links to many worldwide websites dealing with biology and ecology, especially Lepidoptera. *<http://www.globis.insects-online.de>*

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

<https://entomologytoday.org/>

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

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

Natural History Museum. British site containing Lepidoptera generic names and type species listings. *<http://www.nhm.ac.uk/our-science/data/butmoth/>*

Odonata Society. German site containing listings of Odonata species found in Europe (in German). *<http://www.libellula.org/>*

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

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

HERPETOLOGY:

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

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

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

Society of the Study of Amphibians and Reptiles. Website devoted to herpetology research and conservation. Database of North American species names. <https://ssarherps.org/>

Turtle Meter Stamps. Updated website containing a worldwide catalog of meter stamps and meter marks that depict turtles and tortoises based on the owners collection of more than 220 items. There is an image of each meter with some short comments on its use and scarcity in English, Italian, and French. <http://turtlemeterstamp.altervista.org/>

World-Wide List of Turtles and Tortoises on Stamps. This on-line listing was produced by Donald N. Riemer, a former member of the Biology Unit and contributor to this journal, who passed away in June 2012. The site contains a checklist of stamps by country along with appendixes listing labels, cinderellas, turtle look-alike stamps, and post offices with “turtle” or “tortoise” in their name. <http://www.personal.psu.edu/crr2/turtstmp/>

ICHTHYOLOGY:

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

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

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

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

FishBase. A searchable database developed at the WorldFish Center in Taiwan in collaboration with the Food and Agriculture Organization of the United Nations. Contains all you ever wanted to know about fishes. http://fishbase.sinica.edu.tw/home_tw.htm

MAMMALS:

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

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

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

<http://vertebrates.si.edu/mammals/index.html>

ORNITHOLOGY:

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

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

Bird Stamp Society. Website of an organization catering to collectors of bird stamps. They publish a quarterly journal that lists new birds on stamps. <http://www.birdstampsociety.org/index.html>

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

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

PALEONTOLOGY:

Dinosaur Illustrations. Galleries of dinosaur illustrations by species. Includes links to paleontology stamp sites and other related sites. <http://www.search4dinosaurs.com/>

Paleophilatelie. Edited by our Paleontology Editor, Michael Kogan. Catalogue of Paleontology related philatelic items, such as paleontologists, fossils, prehistoric animals, dinosaurs, early man, and museums on official post stamps, envelopes, and post cards. Contains links to related news items and sites. <http://www.paleophilatelie.eu/index.html>

GLOSSARY OF TERMS

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

Checklist Codes:

Br	Branch	A	Subject is the primary design element
Fl	Flowers (with or without other plant parts)	B	Subject is only part of the main design
Fr	Fruit (including seeds, nuts, grains, etc.)	C	Subject is a minor representation
FrV	Grain head with sheaf or stalk	G	Subject is a generalized depiction
L	Lichen	R	Related subject (e.g., scientist, equipment)
M	Mushroom or fungus	S	Subject is a stylized or symbolic depiction
T	Trees (without flowers or fruit)	U	Subject is unidentified or unidentifiable
V	Various (vines, vegetables, roots, leaves, etc.)	X	Subject is a lookalike (e.g., mushroom cloud)
Wr	Wreath	Z	Subject is in the Margin or selvage
Wr*	Head wreath (or chaplet)	*	Subject is natural color (no longer in use)

Acronyms and Abbreviations:

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

Entomology Family Abbreviations:

ACR Acrididae	AES Aeshnidae	AND Andrenidae
ANO Anobiidae	ANT Anthicidae	API Apidae
ARC Arctiidae	BEL Belostomatidae	BLA Blattidae
BRA Brahmaeidae	BRAC Braconidae	BUP Buprestidae
CAL Calopterygidae	CAN Cantharidae	CAR Carabidae
CAS Castniidae	CER Cerambycidae	CHR Chrysomelidae
CHRY Chrysopidae	CIC Cicadellidae	CICA Cicadidae
COC Coccinellidae	COE Coenagrionidae	COR Corydalidae
CORD Cordulegastridae	CORE Coreidae	COS Cosmopterigidae
CRA Crabronidae	CRAM Crambidae	CUL Culicidae
CUR Curculionidae	DER Dermestidae	DRO Drosophilidae
DYT Dytiscidae	ELA Elateridae	FOR Formicidae
ENC Encyrtidae	ERE Eremiaphilidae	FUL Fulgoridae
GEO Geometridae	GEOT Geotrupidae	GOM Gomphidae
GRA Gracillariidae	GRY Gryllidae	GRYA Gryllacrididae
HAL Halictidae	HES Hesperidae	HYM Hymenopodidae
ICH Ichneumonidae	LAM Lampyridae	LAS Lasiocampidae
LIB Libellulidae	LIM Limacodidae	LUC Lucanidae
LYC Lycaenidae	LYG Lygaeidae	LYM Lymantriidae
MAN Mantidae	MEG Megachilidae	MELI Melittidae
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 Rhabdophoridae	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	

Collecting Codes

0 Paleontology	1 Flora & Fauna	2 Botany	3 Zoology	4 Reptile & Amphibian
5 Birds	6 Fish	7 Insects	8 Mammals	9 Marine Life

