

BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA
MARCH 2024 VOLUME 73 NUMBER 1

Golden Birdwings Page 4



IN THIS ISSUE

From the Editor's Desk.....	1
Secretary's Corner.....	2
News of Note.....	2
Wild Animals of Liechtenstein.....	6
Clements Updates.....	26
Gibraltar Birds of Prey.....	27
Glossary.....	50
Membership Renewal Form.....	52

NEW ISSUES

Botany – Christopher E. Dahle.....	10
Fungi – Paul A. Mistretta.....	13
Mammalia – Michael Prince.....	18
Ornithology – Glenn G. Mertz.....	20
Ichthyology – Harvey Robins.....	33
Invertebrates – Peter J. Voice.....	38
Entomology – D. Wright & J. Reis.....	39
Paleontology – Michael Kogan.....	41

ARTICLES:

A rare golden beauty of the butterfly <i>Troides aeacus</i> by Vladimir Kachan.....	4
United Kingdom 1988: "Whitby salutes Australia's Bicentenary" by Michael Kogan.....	7
Caveat Emptor (Part 12): 2005-2007 by Paul Mistretta.....	14
New Birds in the Philatelic Aviary – Charles E Braun.....	28
Biology References.....	47

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

4202 Exum Drive, West Columbia, SC 29169
charlesebraun@gmail.com

Dick Roman

Herpetology

Dick.Roman@SbcGlobal.Net

Harvey Robbins

Ichthyology

ihrobbins@sympatico.ca

Peter Voice

Invertebrate Zoology

petervoi@yahoo.com

Donald P. Wright, Jr.

Entomology

8301 Old Sauk Rd, Apt 175, Middleton, WI 53562
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

John Pereira (Massachusetts)

Michael Kogan (Germany)

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

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

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

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

Copyright 2022. All rights reserved. The views expressed in the articles and other contributions are those of the authors and do not necessarily reflect the views of the officers or other members of the Biology Unit.

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

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

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

PLEASE NOTE: Material for the next issue should be in the hands of the editor by 15 February 2024.

FROM THE EDITOR'S DESK

Chris Dahle, BU 1269



You will notice that our journal this month is smaller than usual. There are several reasons for this. The most obvious is that there is no "New Plants" column. And the reason for this is simply that I did not identify any new plants in the lists published by *Scott's Monthly Update*. The other reason is that many of our New Issues columns are shorter than usual. Apart from the usual suspects from Stamperija and Neofila, it seems that stamp output from 'normal' countries is declining. You have probably also noticed that some columns like Ichthyology and Herpetology appear when there is a sufficient accumulation of new issues.

More than two years ago, prior to the invasion of Ukraine by Russian forces, I received several articles on butterflies from Vladimir Kachan. I have now started to use some of those articles. It seemed like we had a lot of articles on paleontology recently and we should publish something else. Michael Kogan and Peter Voice have been stellar in their production of articles that I have been using. I am grateful to them for their continued input.

In recent issues you may have noticed that the page of references sites on the internet was missing. It appears again in this issue. My plan is to include it in one issue each year. I have gone through the listed sites to be sure all the links are functional. I have deleted several that were not working or took the reader to the wrong location. There is also a return of the glossary and abbreviations pages. They will be included at least once a year. Let me know if you would like to see them more often.

Chris

DUES RATES (US\$)

On-line membership \$20

ADVERTISING RATES

Full page insertion \$25

Half page insertion \$15

Quarter page insertion \$10

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

SECRETARY'S CORNER

Please welcome Daniel Haeusser #1921 of Buffalo, NY. He is a microbiologist.

Only 5 ballots were returned. All the votes were for the slate as printed. Michael Kogan was elected a director and all other officers were retained.

Membership Dues

For 2024 all dues will be \$20. You can renew online at the "Online Application and Renewal" page under the Membership tab biophilately.org/wordpress

Please send an additional \$25 if you would like to receive a print copy in 2024 mailed to an address in the U.S., or an additional \$50 mailed to an overseas address.

News of Note

GREAT AMERICAN STAMP SHOW 2024

The American Topical Association in collaboration with the American Philatelic Society and the American First Day Cover Society will hold the Great American Stamp Show in Hartford, Connecticut this year. It will be from Thursday, August 15 to Sunday August 18 at the Connecticut Convention Center, Hall AB, 100 Columbus Blvd., Hartford, CT 06103. More information can be obtained here: <https://stamps.org/great-american-stamp-show>

Exhibit entry forms and prospectuses can be found on the APS web site. Deadline for submitting an entry is May 3. But single frame exhibits are no longer accepted for the APS part of the show.

Two hotels have been filled and a third hotel has been added. Rates are \$159 per night.

Biology Unit Meets at GASS

The Biology Unit will hold its annual meeting on Saturday August 17 at GASS. Check the show program for the time and place.

Paleophilatelie at New Zealand Philatelic Literature Exhibition

The "Paleophilatelie" website was awarded a LARGE GOLD Medal (91 of 100 points) at the 18th New Zealand National Philatelic Literature Exhibition 2023, organized by the New Zealand Philatelic Federation.

The exhibition took place 18-19 November 2023 in Christchurch (the largest city in the South Island of New Zealand).

Specialised philatelic literature exhibitions have been held in New Zealand every second year since 1989. They have drawn worldwide support and have served to introduce collectors, to literature that will develop their knowledge and interests. The Philatelic Literature Exhibition 2023 was hosted by the Christchurch Philatelic Society, Inc.

Together with the literature exhibit, there was COFEX-23 (Christchurch One Frame Stamp and Postcard Exhibition), the New Zealand Interclub One Frame Competition, and a number of collectables dealers with sales tables.

Distinguished from most other Philatelic Shows where the "Paleophilatelie" website has participated in Electronic-Literature competitions, organizers of NZNPLe-2023 provided detailed feedback, based on "Judging Criteria" developed specifically for websites.



A rare golden beauty of the butterfly *Troides aeacus*

Vladimir Kachan, Belarus

Butterflies are the most gentle and beautiful creatures on the planet. Nature never ceases to astound us. There are birds the size of a butterfly. And surprisingly, there are butterflies the size of a bird. With a wingspan of 16 cm, the Golden Birdwing is a large butterfly indeed - and a very beautiful one too, with a red head and thorax. Its forewings are black, and its hindwings yellow. Intricate black veins run across its wings, making it a vision to behold. This beauty is a sight to behold (Figure 1).

The Golden Birdwing butterfly with scientific name *Troides aeacus* is a large member of the birdwing family-the most prized and collected butterflies in the world. The Golden Birdwings are huge, spectacular butterflies, as



Figure 1 - FDC of UN-New York 1998 (Scott #732) with fascinating Golden Birdwing butterfly

a result of which they are very popular with collectors. Its common name is derived from the fact that a careless look at this conspicuous black and yellow butterfly might almost give the impression of a bird in flight. The dramatic contrast of golden yellow hind-wings and glossy black forewings gives this species a striking appearance, and serves as a protection mechanism by warning potential predators that it is distasteful (Figure 2).



Figure 2 – Imperforated stamp of Cambodia 1969 (Scott #210) with the Golden Birdwing butterfly male

Named for their exceptional size and angular wings, birdwings exhibit birdlike flight. They are native to the Indian subcontinent, mainland and archipelagic Southeast Asia. Their beautiful colour with intricate golden yellow pattern and the grace of their flight- birdwings grabbed attention of naturalists

lot more than other butterflies. No wonder naturalist Alfred Wallace was fascinated by the “beauty and brilliancy” of the birdwing group of butterflies he found on the many islands of the Malay Archipelago and made huge collections to take back to England.

The Golden Birdwing is large and spectacular butterfly is found throughout the southeastern region of Asia. The male has black fore wings with white-bordered veins and bright yellow hind wings; the underside is similar to the upperside. The female is larger, with dark-brown wings and with a different, more intricate yellow pattern on the hind wings (Figure 3). Golden Birdwings have club-like antennae; the



Figure 3 – Final artwork of Somalia for postage stamp 1970 (Scott #355) with the Golden Birdwing butterfly female)

body is black with yellow strips and yellow on the underside of the abdomen. Butterfly tends to glide at higher levels; a strong flyer found in tropical and semi-tropical evergreen forests. Often seen basking in sunlit areas. The adult feeds on nectar-bearing flowers and is an important pollinator. The butterflies are multivoltine and have many generations in a year. They are generally on the wing from March to November.

In the morning the females sit on foliage high in the trees, while males glide in broad circles above them trying to locate potential mates. Upon discovering a female the male performs an elaborate quivering courtship dance several metres above her, before alighting beside her to copulate. Later in the day both sexes can be seen fluttering around flowering trees. Towards late afternoon both sexes begin to seek roosting sites. Males flying deep into the foliage of trees, where they rest in the shade with their wings outspread.

The Golden Birdwing butterfly has a large flight range, and has been found both in forested areas as well as urban parks and gardens. It is capable of flying long distances and at great height. It is a sight to behold as it flutters by, almost bird-like. Butterfly flutters its forewings whilst its hindwings are kept relatively still when it stops to feed at flowers (Figure 4). One of their stranger features is that they have thermoreceptors on the veins of their wings and their antennae. These are an adaptation found in some dark-coloured butterflies. Thermoreceptors are sensitive to sudden increases in temperature and prevent the butterflies from overheating when basking in the sun.



Figure 4 – Stationery card of China 1999 with nectaring the Golden Birdwing butterfly



Figure 5 – Imperforate stamp of Vietnam 2001 (Scott #3076) with poisonous Golden Birdwing butterfly)

These butterflies are poisonous, or at the very least, highly distasteful. The larvae feed on several species of *Aristolochia*; climbing vines containing highly toxic aristolochic acids, which can cause cancers and tumors! So these butterflies accumulate these toxins during their larval feeding stages, and retain the aristolochic acids in their body tissues, as adults. Their colour pattern is therefore a warning, an aposematic signal which screams out to any creature thinking of eating them (Figure 5).

Where suitable host plants are distributed, golden birdwings may be spotted, especially between April and October. The Golden Birdwing mainly lives in lowland forests with a special kind of climbing vine called Indian birthwort. This climbing vine gives out a special scent, attracting female Golden Birdwings to lay eggs on their stems and leaves. Though poisonous with carcinogenic substances, the plant has no effect on the caterpillars. The



Figure 6 - Envelope of India 2018 with life cycle of the Golden Birdwing butterfly

poisons stay inside the caterpillars, protecting them from predators. As they mature, the caterpillars would pupate on the stem and undergo striking transformation to become the big butterflies (Figure 6). Then they start sipping nectar from flowers. Golden Birdwings are in close relationships with plants. Indian birthwort serve as both the home and food supply of their caterpillars, while the adults help disperse pollen of various plants.

Recently a Golden Birdwing butterfly female (*Troides aeacus*) has been discovered as India's largest butterfly with a wingspan of 194 mm. The female Golden Birdwing with 194 mm wingspan was recorded at Uttarakhand's Pithoragarh district's Didihat town.

The Golden Birdwing butterfly acts as an indicator species. An indicator species provides information on the overall condition of the ecosystem and of other species in that ecosystem. They reflect the quality and changes in environmental conditions as well as aspects of community composition. Butterflies acts as a pollinator by helping in pollination and conserving several species of plants. Since its beauty attracts human and increases their need for capturing and possession, the species is now endangered. Butterfly *Troides aeacus* is listed in Appendix II of Convention on the International Trade in Endangered Species of Wild Flora and Fauna (Figure 7).



Figure 7 - Stamp of Thailand 1968 (Scott #510) with butterfly *Troides aeacus* which protected in Thailand

The Author is ready to help for philatelists in creating of 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

Wild Animals in Liechtenstein

With its valleys, slopes and mountains, Liechtenstein's diverse landscape is home to a wide variety of animals and plants. Photographer Roland Rick captured four wild animals in their natural environment with his camera.

The "Fox" (face value: CHF 1.00) can be found in forests, meadows and occasionally in urban areas. It is an omnivore and, in addition to mice and insects, does not shy away from food scraps, waste and carrion. The "Squirrel" (face value: CHF 1.20) usually has a similar reddish colour to the fox. This native rodent can be recognised by its white-coloured belly.



The "Marmot" (face value: CHF 1.90) lives in the Alpine region above the tree line. It spends ninety per cent of its life in burrows it has built itself with extensive tunnel systems. If the marmot manages to escape its natural enemy, the golden eagle, it can live up to fifteen years. Weighing up to two hundred kilograms, the "Stag" (face value: CHF 2.50) is the largest wild animal in our range. The males have a mane on their neck and antlers that grow larger and more complex over the years.

Issue Date: 16.01.2024

Designer: Roland Rick, Schaan

<https://www.wopa-plus.com/en/stamps/product/&pid=86991>

United Kingdom 1988: "Whitby salutes Australia's Bicentenary"

By Michael Kogan

Three Ammonites are depicted on the postmark "Whitby salutes Australia's Bicentenary", dated 26th of January 1988.

January 26th is Australia Day, the official National Day of Australia. Observed annually on 26 January, it marks the 1788 landing of the First Fleet and raising of the Union Flag by Arthur Phillip at Sydney Cove in New South Wales.

The ammonites, most likely, are *Hildoceras bifrons* - one of the most common ammonite species present at Whitby.



Whitby's Ammonites. From the left to the right: *Hildoceras bifrons*, *Hildoceras semipolatum*, *Hildoceras lusitanicum*. Image credit: [Andys Fossils](#).

Two other very common ammonite species of Yorkshire country (Northern England) are: *Hildoceras bifrons*, *Hildoceras semipolatum*.

Hildoceras is a genus of small ammonite from the Jurassic Period in the family Hildoceratidae, with diameter between 40mm and 170mm. The shells are characterized by a narrow discoidal evolute shape, keeled venter, concave ribs along the outer flanks, and a shallow spiral groove running along smooth

inner flanks. Whorls slightly overlap, cross sections are compressed. The ventral keel is bordered on either side by a shallow groove.

Whitby (from "white settlement" in Old Norse) is a seaside town, port and civil parish in North Yorkshire, England with a population of about fourteen thousand people.

The earliest record of a permanent settlement is in 656 AD, when as Streanaesheal it was the place where Oswy, the Christian king of Northumbria, founded the first abbey, under the abbess Hilda. The Synod of Whitby was held there in 664 AD. In 867 AD, Viking raiders destroyed the monastery.

In the following centuries Whitby functioned as a fishing settlement until, in the 18th century, it developed as a port and centre for shipbuilding and whaling, the trade in locally mined alum, and the manufacture of Whitby jet jewelry.

The Whitby's port was where Captain James Cook learned seamanship and, coincidentally, where his first vessel to explore the southern ocean, HMS Endeavour was built.

Captain James Cook FRS (1728 – 1779) was a British explorer, cartographer and naval officer famous for his three voyages between 1768 and 1779 in the Pacific Ocean and to New Zealand and Australia in particular. He made detailed maps of Newfoundland prior to making three voyages to the Pacific, during which he achieved the first recorded European contact with the eastern

coastline of Australia and the Hawaiian Islands, and the first recorded circumnavigation of New Zealand.

The town lies on the northern part of a coastline, locally described as the "Fossil Coast". The "Fossil Coast" is 56 km long and stretches from Staithes (Northwest of Whitby) and Flamborough (Southeast of Whitby). The rock strata contain various fossils or prehistoric marine animals, including Ichthyosaurs, Plesiosaurs and crocodiles discovered since the middle of 18th century, and even some dinosaur footprints.

The fossils of Whitby can be seen in the "Whitby Museum" and in the "Rotunda Museum" in Scarborough which has a comprehensive collection of fossils from the area.

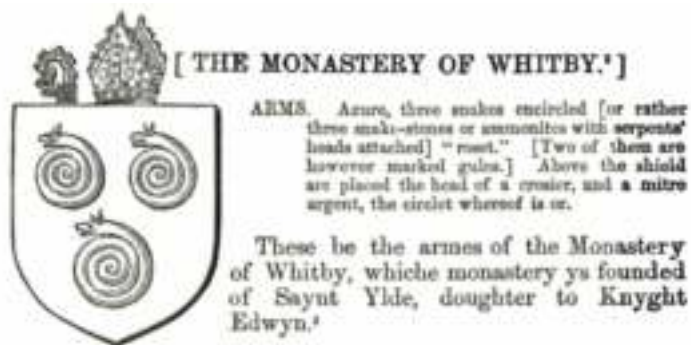
Smaller fossils include numerous species of ammonites, or "snake stones" (sometimes written in one word: snakestones) can be found in large quantities at the shoreline near the town.

The town's "snake stones" folklore has it that fossils were once living serpents that were common in the area. These stories attribute to the 7th century AD, Anglo-Saxon Abbess Saint Hilda of Whitby (614-680) with ridding the region of snakes by turning them to stone.



Screen shot of [YouTube video](#) of Whitby Museum

Legend has it that Hilda was required to found an abbey on the cliffs above Whitby. Finding the site to be infested by snakes, she prayed to the Lord and the snakes coiled up and were turned to stone. She picked them up and threw them over the cliff, and that is why there are so many ammonite fossils in the rocks below the abbey.



Arms of Whitby Abbey.

Image credit: "Heraldic Visitation of the Northern Counties in 1530 by Thomas Tonge, Norroy King of Arms Edited" by W. Hylton Dyer Longstaffe, F.S.A. Published in 1863.

"In early Christian times, snakes had a bad reputation and were associated with the Devil, so it was important to clear the area before a sacred building could be established. According to legend, Saint Hilda cast a spell that turned the snakes of Whitby to stone and threw them from the cliff tops," says Dr. Paul Taylor from Natural History Museum in London.

St. Hilda's miraculous work was immortalised in the poem Marmion, by Sir Walter Scott:

When Whitby's nuns exalting told,
Of thousand snakes, each one
Was changed into a coil of stone,
When Holy Hilda pray'd:
Themselves, without their holy ground,
Their stony folds had often found.



Snake stone of Whitby. Image credit: the Natural History Museum in London

This legend was immortalized by Alpheus Hyatt in 1876 by naming the ammonite genus in honour of Saint Hilda: *Hildoceras*.

Local collectors and dealers in fossils often carved heads on ammonites to increase curiosity value and improve sales. These "snake stones" became the symbol of Whitby and started to appear on the coat of arms and other symbols associated with the town.

In 1667, three coiled "snake stones" with heads, as they were shown on the Arms of Whitby Abbey, appeared on a "HIS HALF PENNY" copper token of local merchant Henry Sneaton (see on the right).

From the middle of the 17th to the early 19th century, England suffered from a chronic shortage of small change.

The British government failed to mint enough small change coins for commerce, creating hardship, especially for the urban poor.

This forced local merchants and municipalities to produce their own tokens for daily commerce. Merchants and municipalities issued farthings, halfpence and penny tokens mostly made of copper or brass and often featuring designs related to the issuer, such as a coat of arms or a symbol of their trade. Although most examples were round, some were octagonal, square or even heart shaped. As long as merchants accepted the tokens for purchases at face value, the public would accept them in change.



Top: snake stones of Whitby on half penny token of Henry Sneaton's from 1667.
Bottom: Snake stones on Whitby Association token from 1811

Later in 1811, images of the "snake stones" were replaced by images of Ammonite fossils, as can be seen on the token of Whitby Association.

Since 1935, the Whitby Coat of Arms incorporates three snakestones due to this folklore. The rugby club of Whitby have the ammonites on its coat of arms.

References:

Whitby: [Whitby Town Council](#), [Wikipedia](#).

Whitby Abbey: [english-heritage.org](#), [Visit Whitby](#), "Heraldic Visitation of the Northern Counties in 1530" by Thomas Tonge, Norroy King of Arms. Edited by W. Hylton Dyer Longstaffe, F.S.A. Published in 1863.

Hilda of Whitby: [Wikipedia](#).

"Snakestones" - Ammonites of Yorkshire: the [Natural History Museum](#) in London, "Folk-lore" book published by London,

Folklore Society in 1890, [Real Yorkshire blog](#), [Fossils for sale](#), [Andys Fossils](#), "Fossilien im Volksglauben und im Alltag: Bedeutung und Verwendung vorzeitlicher Tier- und Pflanzenreste von der Steinzeit bis heute" by Thenius, E; Vávra, N, published in 1996 in Frankfurt am Main, ISBN: 378291144X.

Hildoceras [Wikipedia](#)

Hildoceras bifrons [Wikipedia](#)

[Rotunda Museum official website](#)

[Whitby Museum official website](#)

[Dinosaur's footprints at Whitby: Deposits Mag](#)

English token: [American Numismatic Association](#), [Chards coin dealer](#), the [British Museum](#), [Seventeenth Century Tokens and Personal Seals](#), by Melinda Mays.

[Australia Day Wikipedia](#)

Acknowledgements:

Many thanks to Dr. Peter Voice from Department of Geological and Environmental Sciences, Western Michigan University, for the draft page review and his very valuable comments.



Left: Coat of arms of Whitby

Right: Coat of Arms of Whitby Rugby Club



BOTANY

Editor

Christopher E. Dahle BU 1269



Scott #	Denom	Common Name	Botanical Name	Family	Code
ARGENTINA					
2880B	1000p	Jaramillo Petrified Forest			V A U
AUSTRALIA					
2023 June (National Parks type of 2019-22) Set/2					
5683	\$1.20	Red poppy, <i>Papaver rhoeas</i>		Papavaeraceae	Fl A
5684	\$1.20	White poppy, Same species			
5685	\$1.20	Purple poppy, Same species			
5685a		Souvenir sheet of 3			
2023 October 24 (Remembrance Day Poppies) Set/3, SS/3; perf 14¼					
5686	\$1.20	Red poppy, <i>Papaver rhoeas</i>		Papavaeraceae	Fl A
5686a		Booklet pane of 10			
5687	\$1.20	White poppy, Same species			
5687a		Booklet pane of 10			
5688	\$1.20	Purple poppy, Same species			
5688a		Booklet pane of 10			
AZERBAIJAN					
2022 August 19 (Philharmonic Botanical Garden) Single					
1341	1.50m	Unidentified plants			V A U
2022 December 20 (Founding of Shusha, 270y) SS/1					
1363	1m	<i>Ophrys caucasica</i>		Orchidaceae	Fl A SS
BELARUS					
2023 January 10 (Belarussian Cuisine) Horiz Pair					
1311b	(2.28r)	Apples, <i>Malus x domestica</i>		Rosaceae	Fr B
BOLIVIA					
2018 (Tourism type of 2007 with red Agencia de Correos HS)					
1362A	10.50b	<i>Trichocereus camarguensis</i>		Cactaceae	V A
2018 (Fruit type of 2011 with red Agencia de Correos HS)					
1544E	1.50b	Oranges, <i>Citrus sinensis</i>		Rutaceae	Fr A
2018 (Quinoa type of 2012 with red Agencia de Correos HS)					
1541A	1b	Quinoa plant, <i>Chenopodium quinoa</i>		Amaranthaceae	Fr A
1542A	3.50b	Quinoa harvesters, <i>Chenopodium quinoa</i>		Amaranthaceae	Fr B
BULGARIA					
2023 June 16 (Beekeeping) SS/1					
5066	75s	Thistle, <i>Carduus sp.</i>		Asteraceae	Fl A SS
5066a		Imperf. Same species			
CAYMAN ISLANDS					
2023 October 2 (Christmas) Set/4					
1269	25c	Poinsettia, <i>Euphorbia pulcherrima</i>		Euphorbiaceae	Fl B
		Coconuts, <i>Cocos nucifera</i>		Arecaceae	Fr B
1271	80c	Poinsettia, <i>Euphorbia pulcherrima</i>		Euphorbiaceae	Fl B

CHINA (TAIWAN)		2023 November 16 (Mandarin Phonetic Symbols)	Set/10
4712	Sheet of 10		
4712c	\$6 Bananas and map, <i>Musa x pardisaica</i>	Musaceae	Fr A
4712j	\$6 Garlic and map, <i>Allium sativum</i>	Amaryllidaceae	V A
COLOMBIA		2022 Decemember 23 (Fernando Botero 90y)	Set/10
1625	Sheet of 10		
1625c	1000p "Flores en amarillo, 2006"		Fl S U
COOK ISLANDS		2023 March 6 (Symbols of Cook Islands)	Set/2, SS/1
1753	\$8 Tahitian gardenia, <i>Gardenia taitensis</i>	Rubiaceae	Fl A SS Z
CUBA		2021 January 1 (#3683-85 surcharged)	
6324	1p on 45c <i>Galeandra beyrichii</i>	Orchidaceae	Fl A
6325	5p on 45c Same species		
6326	10p on 65c <i>Macradenis lutescens</i>	Orchidaceae	Fl A
6327	20p on 65c Same species		
6328	50p on 65c Same species		
6329	100p on 65c Same species		
6329A	500p on 65c Same species		
6330	1000p on 65c Same species		
FRANCE		2023 October 26 (Still Life Ptgs)	Set/12
6499	(€1.16)"Basket of Apricots" by Louise Moillon, <i>Prunus armeniaca</i>	Rosaceae	Fr A
6500	(€1.16)"Flower Study" by Eugène Cauchois		Fl A U
6501	(€1.16)"Still Life with Basket of Apples" by van Gogh, <i>Malus x domestica</i>	Rosaceae	Fr A
6502	(€1.16)"A Bouquet of Flowers" by Jaqueline Marval		Fl A U
6503	(€1.16)"Apples and Oranges" by Cézanne, <i>Malus x domestica</i>	Rosaceae	Fr A
	<i>Citrus sinensis</i>	Rutaceae	Fr A
6504	(€1.16)"Chrysanthemums" by Berthe Morisot, <i>Chrysanthemum millefolium</i>	Asteraceae	Fl A
6505	(€1.16)"Pimiento"s by Renoir, <i>Capsicum annuum</i>	Solanaceae	Fr A
6507	(€1.16)"A Bunch of Asparagus" by Manet, <i>Asparagus officinalis</i>	Asparagaceae	V A
6509	(€1.16)"Still Life with Artichoke" by Hippolyte Chaignet, <i>Cynara cardunculus</i>	Asteraceae	V A
6510a	Booklet pane of 12		
GERMANY		2023 July 6 (Thousand-Year Old Oak trees, Ivenack)	Single
3358	110c Oaks, <i>Quercus robur</i>	Fagaceae	T A
GREAT BRITAIN		2023 May 6 (Coronation of Charles III)	Set/4
4365	Sheet of 4		
4365d	£2.20 Sustainability and biodiversity		V B U MS
4366	Sheet of 4, SA		
4366d	£2.20 Sustainability and biodiversity		V B U MS
Guernsey		2023 July 19 (First Guernsey Stamps)	Set/4
1734	56p Wrack collection, <i>Fucus sp.</i> (s-o-s GB#269)	Fucaceae	V B
1734a	Booklet pane of 4		
1735	87p Wrack collection, <i>Fucus sp.</i> (s-o-s GB#270)	Fucaceae	V B
1735a	Booklet pane of 4		
1736	£1.86 Guernsey lily, <i>Nerine sarniensis</i> (s-o-s #1)	Amaryllidaceae	Fl A
1736a	Booklet pane of 4		
1737	£4.38 Guernsey lily, <i>Nerine sarniensis</i> (s-o-s #2,3)	Amaryllidaceae	Fl A
1737a	Booklet pane of 4		

Jersey		2023 March 21 (Traditional market Stalls)	Set/6, SS/1
2570	60p	Florist, stylized flowers	Fl S B U
2571	60p	Fruits & vegetables	Fr V S B U
		2023 July 6 (Société Jersiaise 150y)	Set/8,SS/8
2605	£1.85	Frances Le Sueur, botanist	
GRENADA		2022 November 4 (Fish and Flowers)	Set/6
4446	50c	Bougainvillea, <i>Bougainvillea spectabilis</i>	Nyctaginaceae Fl A
4448	\$1.50	Plumeria, <i>Plumeria rubra</i>	Apocynaceae Fl A
4450	\$100	Red ginger lily, <i>Alpinia purpurata</i>	Zingiberaceae Fl A
ITALY		2023 April 22 (Abruzzo National Park, 100y)	Single
3933	(€1.20)	Iris and chamois, <i>Iris sp.</i>	Fl B

**ANIMALS; DOGS & CATS; HORSES; INSECTS; BUGS BUTTERFLIES;
MALARIA; FLOWERS & PLANTS; ORCHIDS MUSHROOMS; MARINE
LIFE; FISH; TURTLES; REPTILES SHELLS; WHALES & SEALS;
BIRDS; MINERALS MIXED BIOLOGY TOPICS**

Write for the price list of your choice

EASTERN SHORE STAMP COMPANY

P.O. BOX 204, MIDDLETOWN, DE 19709

e-mail: essc@comcast.net

Phone: (302) 563-2174



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.

Scott #	Denom.	Common name; Scientific name	Family name	Code
AUSTRIA	2023 August 25	M		
3080	95c	Parasol mushroom; <i>Macrolepiota procera</i>	Agaricaceae	A
BELARUS	2023 January 10	(M)		
1311a	p(2.28r)	Mushroom soup and mushrooms on a picnic table; Belorussian cuisine	...	C



Note: I recently came across an article by Brian S. Luther, in which he convincingly questions the longstanding identification of mushrooms in the design of East German stamp Sc#1299. The vignette in question is a 40pf stamp reproducing Albrecht Dürer's engraving "Three Peasants in Conversation". In



this engraving Dürer has pictured one man holding a basket of (presumably) farm produce heretofore claimed to be mushrooms. Luther's argument is, consistent with others of Durer's engravings and the relatively uniform shape of the objects in the basket, that the objects are eggs – not mushrooms. So, take your

pick, my file now records these as eggs which get an "x" code for mushroom look-alike images.

Theoretically, this argument should also apply to Mauritania Sc#407, a reproduction of another Dürer engraving, which shows a man & woman with a basket of ? on the ground at their feet. This engraving shows unidentified farm produce which is of a more ambiguous nature, having less regularity in the shape of the 'eggs' with at least two images appearing to be mushroom shapes.



Reference: Luther, Brian S. 2022. Mushrooms vs. eggs on a postage stamp. Spore Print (Bull. Puget Sound Mycol. Soc.) 2002(Sept.) No. 584:5. Accessed at: <http://www.psms.org/sporeprints.php>. Accessed on: 17 Dec 2023.

And, a brief promo for the Spore Print and more specifically for Brian Luther. Dating back to 2000, Brian has (at least) 60 articles in the newsletter. Short, averaging about 1 page in length, he has documented many countries issues of mushrooms on stamps. While containing some scientific information, these articles concentrate on the philatelic aspects of the items discussed and are easy reading. (And they are all available as free downloads at the above cited website.) And, a final note, as long as you are looking up Brian's articles you probably will find yourself enjoying much of the fungi-related material in this easy-to-read Newsletter.

Caveat Emptor (Part 12)

2005-2007

Paul A. Mistretta

This installment covers illegal mushroom related stamps “issued” during the years 2005 through 2007. While there are still many “Russian locals” in this installment, several new “countries” appear in the problematic list. For this list I had to add a code to the list published in #4 of this series: ‘LS’ is used to designate an issue, either of a sheet or as the selvedge of a souvenir sheet, having lichens in the selvedge. While the ‘L’ code is used for lichens as the primary subject of the vignette, and ‘I’ is used for lichens in the design but not the main theme of the vignette, the issue, the 2007 issue from Guinea-Bissau is the only fungus related issue of which I am aware that has need of this new code.

So, without further words, here are three more years of illegal issues which I have been able to confirm.

2005



Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Bashkortostan (as Bashkiria) - 7 SF <M> & 7 SI <M> 900p? ea (Fig.1)

Congo, Rep. - MS/4of5d <D> 750f ea.; <M> & flowers (Fig. 2)

Congo, Rep. Dem. - MS/1of6d, SS/1 <D & E>, DS/1of2d <D & E> 190fc ea; all also imerf.; <M> & Scout; “Postes 2004” (Fig. 3)

Djibouti - SS/1 <D> 450df; <M> & face of ? (Fig. 4)

Guinea-Bissau - MS/3of6d 600df ea & SS <D> 3000fcfa; stamps owls + (Fig. 5)

Guinea-Bissau - SS <D>300fcfa; Fleming & <M>(Fig. 6)



Fig. 7

Guinea-Bissau - MS/3of6d <Ms & E> 450fcfa ea + 3 seals & SS <M & E> 2500fcfa (Fig. 7)



Fig. 8

Ivory Coast - 1 MS [& MI]/4d <M & E> 250, 350, 400 & 1000f & 4SS [& SI] <M & E> 250, 350, 400 & 1000f (Fig. 8)



Fig. 9

Ivory Coast - MS/1of4d <D & E> 350f & SS <D & E> 350f; <M> & Scout (Fig. 9)



Fig. 10



Fig. 11

Kyrgyzstan – MS[& MI]/3of6d <M> 25c ea; <M> & owl (Fig. 10)
Rwanda - MS/1of4d <D> 600f; Alice in Wonderland sitting on <M> (Fig. 11)

2006



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Altai – SS <D> 95p; <M> in flowerpot (Fig. 12)
Altai –SS <M & E> 45p (Fig. 13)
Benin –3SS/1 <E> 1000F ea (Fig. 14)
Cabinda (Angola) - 4 SF <M> 500caf ea (Fig. 15)
Congo, Rep. Dem. – 2SF <M> 375fg & 800fg & 2SS/1 <M & E> 375fg & 800fg 1MS/2d 375 + 800fg & 2MS/4s <M> 4x 275fg & 4x 800fg; (Fig 16)



Fig. 19



Fig. 20



Fig. 21



Fig. 22

Congo, Rep. Dem. – SS[&IS]/1 <D & P> 600fc; <M> & Pasteur; (Fig. 19) and SS[&IS]/1 <E> 600f; <E> & Mme. Curie
Guinea, Republic – 4SS/1 <D & E> 4500, 7500 & 2x 25000fg, 1 MS/2d 4500 & 7500fg & 1CS/2of3d 4500 & 7500fg; Scouts & <M> (Fig. 20)
Haiti – SS/1 <D> 600g; owl & tiny <Ms>
Karelia – SS/1 <D & E> 9.5p; <M> stamps (Fig.22)



Fig. 23



Fig. 24

Marij El, Republic of – 12MS/4d <M> 3/-+2/-, 5/-+2/-, 7/+2/- & 9/+2/-[p]; color of frame around <M>s diff between MSs.
St. Thomas & Prince - MS [& MI]/1of4d 9000dbs & SS [& IS] 9000dbs (Fig. 24)

2007



Fig. 25



Fig. 26



Fig. 27



Fig. 28



Fig. 29

Abkhazia (Russian Federation) – ST/6d[2x3] <M> 10p ea & SH/12 as 2x ST/6d[R invert of L] <M> 10p ea (Fig. 25)
Abkhazia (Russian Federation) – 3MS/9d <M> 10p ea; I also have an illustration of a 4th MS which appears to have been modified. It is unclear if this item is a genuine illegal or a modified item. (Fig. 26)
Adigej – 3IS/1 <M & E> 23[p] ea (Fig. 27)
Adigej – 6SI <M> 3, 7, 9, 13, 16 & 9[p] (Fig. 28)
Bashkortostan – 3MS/9d <M> 6.25[p] ea & 2SS/2d <M> 12.5[p] ea (Fig. 29)



Fig. 30



Fig. 31



Fig. 32



Fig. 33

Benin – MS/3of6d <M> 300, 500, 700f & SS <M?> 1000f; SS not seen (Fig. 30)
Benin – MS/3of6d <M & E> 300, 500, 700f (Fig. 31)
Benin – SS/1 <M & E> 1000f (Fig. 32)
Congo, Rep. Dem. – 4SF[&SI] <D>, 4SS[&IS] <D & E>, 4MS[&MI]/6s <D> & CS[CI]/4d <D&E> 9.60f ea (Fig. 33)



Fig. 34



Fig. 35



Fig. 36



Fig. 37



Fig. 38

Djibouti – MS/8d <M> 4x 500f & 4x 800F (Fig. 34)

Guinea-Bissau – SS/1 <LS> 3000fcfa (Fig. 35)

Guinea, Republic – MS/3d <D> 2000, 7500 & 20000fg; owls & <M> (Fig. 36)

Kamchatka - MS/6d <M> 5[p] ea (Fig. 37)

Karakalpakia – MS/6d <M> 8[p] ea (Fig. 38)



Fig. 39



Fig. 40



Fig. 41



Fig. 42



Fig. 43



Fig. 44

Karelia – SS/1 <D & E> 10.00[p]; <M> stamps (Fig. 39)

Komi – 18SF <M> & <B or M> 6x 5[p], 6x 7[p] & 6x 9[p] (Fig. 40)

Malawi – MS/4of8d + label <M> K100 (Fig. 41)

Marij El, Republic of – 12MS/4d <M> 5/-+3/-, 7/-+3/-, 9/-+3/- & 12/-+3/-[p]; color of frame around <M>s diff between MSs. (Fig. 42)

Mordovia – 2MS/6d <M> 5.60[p] ea (Fig. 43)

Palestine Authority – 2SS/1 <B & E> 1000[p] ea (Fig. 44)



MAMMALIA

Editor
Michael Prince, LM 68



New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ANTIGUA				
2022 November 11 (Fallow Deer) MS/5				
2658	Sheet of 5			
3658a-e	\$4.00	Fallow Deer, <i>Dama dama</i>	Cervidae	
AZERBAIJAN				
2021 June 24 (Europa - Cartoons of Endangered Animals) Set/2, SS/1				
1310	50g	Mouflon, <i>Ovis gmelini</i>	Bovidae	
1312	2m	Leopard, <i>Panthera pardus ciscaucasica</i>	Felidae	
2022 April 1 (New Year 2022 – Year of the Tiger) SS/2				
1330a	1m	Tiger, <i>Panthera pardus</i>	Felidae	
1330b	1m	Tiger, <i>Panthera pardus</i>	Felidae	
2022 September 16 (Shirvan National Park) SS/1				
1343	1m50	Goitered Gazelle, <i>Gazella subgutturosa</i>	Bovidae	
BELARUS				
2023 January 10 (New Year 2023 – Year of the Rabbit) Single				
1310	(2.28r)	Rabbit, <i>Oryctolagus cuniculus</i>	Leporidae	
CZECH REPUBLIC				
2023 September 6 (Flora and Fauna of Podyji National Park) MS/4				
3942	Sheet of 4			
3942b	31k	European Ground Squirrel, <i>Spermophilus citellus</i>	Sciuridae	
FRANCE				
2023 October 14 (Nocturnal Animals) MS/5				
6512	Sheet of 5			
6512b	€1.16	Western Barbastelle, <i>Barbastella barbastellus</i>	Vespertilionidae	
GAMBIA				
2022 August 8 (African Primates) MS/5, SS/1				
3964	Sheet of 5			
3964a	80d	Guinea Baboon, <i>Papio papio</i>	Cercopithecidae	
3964b	80d	Green Monkey, <i>Chlorocebus sabaeus</i>	Cercopithecidae	
3964c	80d	Senegal Bushbaby, <i>Galago senegalensis</i>	Galagidae	
3964d	80d	Patas Monkey, <i>Erythrocebus patas</i>	Cercopithecidae	
3964e	80d	Western Red Colobus, <i>Piliocolobus badius</i>	Cercopithecidae	
3965	250d	Common Chimpanzee, <i>Pan troglodytes</i>	Hominidae	
2022 August 8 (Hyenas) MS/4, SS/1				
3966	Sheet of 4			
3966a-d	100d	Spotted Hyena, <i>Crocuta crocuta</i>	Hyaenidae	
3967	250d	Spotted Hyena, <i>Crocuta crocuta</i>	Hyaenidae	
2022 August 8 (Warthogs) MS/4, SS/1				
3968	Sheet of 4			
3968a-d	100d	Common Warthog, <i>Phacochoerus africanus</i>	Suidae	
	On border:	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	
3969	250d	Common Warthog, <i>Phacochoerus africanus</i>	Suidae	
2022 August 8 (Giraffes) MS/6, SS/1				
3972	Sheet of 6			
3972a	70d	Nubian Giraffe, <i>Giraffa camelopardalis camelopardalis</i>	Giraffidae	
3972b	70d	Kordofan Giraffe, <i>Giraffa camelopardalis antiquorum</i>	Giraffidae	

GAMBIA (continued)

3972c	70d	Reticulated Giraffe, <i>Giraffa reticulata</i>	Giraffidae
3972d	0d	Masai Giraffe, <i>Giraffa tippelskirchi</i>	Giraffidae
3972e	70d	Angolan Giraffe, <i>Giraffa giraffa angolensis</i>	Giraffidae
3972f	70d	West African Giraffe, <i>Giraffa camelopardalis peralta</i>	Giraffidae
3973	250d	Northern Giraffe, <i>Giraffa camelopardalis</i>	Giraffidae

GERMANY		2023 September 7 (Ground Squirrels)	Single
3366	60c	European Ground Squirrel, <i>Spermophilus citellus</i>	Sciuridae

GIBRALTAR		2023 June 30 (Wildlife)	Set/6, SS/1
1861	£1.00	Barbary Macaque, <i>Macaca sylvanus</i>	Cercopithecidae
1865	£4.00	Iberian Red Fox, <i>Vulpes vulpes silacea</i>	Canidae

GRENADA GRENADINES		2022 August 29 (Orcas)	MS/4, SS/1
3078		Sheet of 4	
3078a-d	\$5.50	Orca(Killer Whale), <i>Orcinus orca</i>	Delphinidae
3079	\$14.00	Orca(Killer Whale), <i>Orcinus orca</i>	Delphinidae

ITALY		2023 April 22 (Abruzzo, Lazio & Moise National Park 100y)	Single
3933	(€1.20)	Alpine Chamois, <i>Rupicapra rupicapra</i>	Bovidae

MACEDONIA		2022 November 2 (Mammals)	Set/4
939	10d	Eastern Fox Squirrel, <i>Sciurus niger rufiventer</i>	Sciuridae
940	20d	Western European Hedgehog, <i>Erinaceus europaeus</i>	Erinaceidae
941	50d	Eurasian Harvest Mouse, <i>Micromys minutus</i>	Muridae
942	101d	European Mole, <i>Talpa europaeus</i>	Talpidae

NEVIS		2022 July 6 (Vervet Monkeys)	MS/6, SS/1
2050		Sheet of 6	
2050a-f	\$4.00	Vervet Monkey, <i>Chlorocebus pygerythrus</i>	Cercopithecidae
2051	\$14.00	Vervet Monkey, <i>Chlorocebus pygerythrus</i>	Cercopithecidae

SLOVENIA		2023 September 22 (Dormouse)	Set/3, SS/1
1554	(75c)	Fat Dormouse, <i>Glis glis</i>	Gliridae
1555	(98c)	Fat Dormouse, <i>Glis glis</i>	Gliridae
1556	(€1.57)	Fat Dormouse, <i>Glis glis</i>	Gliridae
1557	(€1.79)	Fat Dormouse, <i>Glis glis</i>	Gliridae

SOUTH GEORGIA & SOUTH SANDWICH ISLANDS		2023 October 9 (Wildlife & Islands)	Set/4
687		Pair	
687a	£1.25	Leopard Seal, <i>Hydrurga leptonyx</i>	Phocidae

TUVALU		2022 November 21 (Humpback Whale)	MS/6, SS/1
1579		Sheet of 6	
1579a-f	\$1.50	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae
1580	\$7.00	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae



ORNITHOLOGY

Editor

Glenn G. Mertz, BU 1455



Corrections/Updates

No Updates or Corrections in this month's quarterly.

New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
AITUTAKI				
2022 August 18 (Birdpex #9, Gmunden, Austria) SS/1 A*				
749	\$9.00	South Island Oystercatcher, <i>Haematopus finschi</i> (Stamp has South Island Pied Oystercatcher)	Haematopodidae	V73(1)
2023 August 16 (Birds of the World, Kingfishers) Set/4				
752	\$6.70	Azure Kingfisher, <i>Ceyx azureus</i> (on branch) (has white frame)	Alcedinidae	
756a	\$6.70	Same species, no white frame	Alcedinidae	
753	\$15.00	Same species, on branch, white frame	Alcedinidae	
756b	\$15.00	Same species, on branch, no white frame	Alcedinidae	
754	\$20.00	Same species, on curved branch, white frame	Alcedinidae	
756c	\$20.00	Same species, on curved branch, no white frame	Alcedinidae	
755	\$25.00	Same species, wings spread, white frame	Alcedinidae	
756d	\$25.00	Same species, wings spread, no white frame	Alcedinidae	
756e	SS of 1 #756b	Block or vert strip of 4, #a-d		
756f	SS of 1#756d	Block or vert strip of 4, #a-d		
757	\$6.70	Like #752, vert.		
758	\$20.00	Like #754, vert.		
ANDORRA (Spanish Admin.)				
2023 April 21 Single A*				
521	1,75€	Black Redstart, <i>Phoenicurus ochruros</i>	Muscicapidae	
AUSTRALIA				
2023 August 15 (Birdlife-Australia's Annual Bird Count) Set/3, SS/3 A*				
5650	\$1.20	Australian Magpie, <i>Gymnorhina tibicen</i>	Corvidae	
5651	\$1.20	Rainbow Lorikeet, <i>Trichoglossus moluccanus</i>	Psittaculidae	
5652	\$1.20	Noisy Miner, <i>Manorina melanocephala</i>	Meliphagidae	
5652a	SS of 3, #5650-5652			
ANTIGUA				
2023 November 11 (Magnificent Frigatebirds) Set/5, SS/1 A*				
3660a	\$4.00	Magnificent Frigatebird, <i>Fregata magnificens</i> (facing right, value in black)	Fregatidae	
3660b	\$4.00	Same bird, facing left, value in white		
3660c	\$4.00	Same bird, facing left, value in black		
3660d	\$4.00	Same bird, facing right, value in white		
3660e	\$4.00	Same bird, facing right, value in black		
3661	\$14.00	SS Same bird		
BELARUS				
2023 February 3 A*				
1316	(2,28r)	European Turtle-Dove, <i>Streptopelia turtur</i>	Columbidae	

CENTRAL AFRICAN REP.		2023 February 10 (Raptors)	Set/4, SS/1	A*
N/A	1,000fr Barbary Falcon, <i>Falco peregrinus pelegrinoides</i> (ssp)	Falconidae		
N/A	1,000fr Lanner Falcon, <i>Falco biarmicus</i> (U-Ctr)	Falconidae		
N/A	1,000fr Pallid Harrier, <i>Circus macrourus</i> (L-Ctr)	Accipitridae		
N/A	1,000fr Lesser Kestrel, <i>Falco naumanni</i> (RS)	Falconidae		
N/A	3,600fr SS Spanish Eagle, <i>Aquila adalberti</i>	Accipitridae		
In margin:	Tawny Eagle, <i>Aquila rapax</i> (LS)	Accipitridae		
	Bonelli's Eagle, <i>Aquila fasciata</i> (LR)	Accipitridae		
		2023 February 10 (Birds of Africa)	Set/4, SS/1	A*
N/A	1,000fr Red-backed Scrub-Robin, <i>Cercotrichas leucophrys</i>	Muscicapidae	V72(4)	
N/A	1,000fr African Hill Babbler, <i>Sylvia abyssinica</i>	Sylviidae	V72(4)	
N/A	1,000fr Gray-winged Robin-Chat, <i>Sheppardia polioptera</i>	Muscicapidae	V72(4)	
N/A	1,000fr African Penduline-Tit, <i>Anthoscopus caroli sylviella</i> (ssp)	Remizidae		
N/A	3,600fr SS White-starred Robin, <i>Pogonocichla stellata orientalis</i>	Muscicapidae	V72(4)	
		2023 February 10 (Toucans)	Set/4, SS/1	A*
N/A	1,000fr Golden-collared Toucanet, <i>Selenidera reinwardti langsdorffii</i> (ssp); stamp on left side of the sheet. (This species was prior in the margin: on a 2021 Chad issue)	Ramphastidae	V72(4)	
N/A	1,000fr Red-necked Aracari, <i>Pterglossus bitorquatos sturmii</i> (ssp) (U-Ctr); also shown on a prior sheet.	Ramphastidae	V72(4)	
N/A	1,000fr Wagler's Toucanet, <i>Aulacorhynchus wagleri</i> (Currently a ssp of Northern Emerald Toucanet (L-Ctr))	Ramphastidae		
N/A	1,000fr Toco Toucan, <i>Ramphastos toco</i> (on RS)	Ramphastidae		
N/A	3,600fr SS Tawny-tufted Toucanet, <i>Selenidera nattereri</i>	Ramphastidae		
		2023 February 10 (Water birds)	et/4, SS/1	A*
N/A	1,000fr American Flamingo, <i>Phoenicopterus ruber</i> (LS)	Phoenicopteridae		
N/A	1,000fr Magnificent Frigatebird, <i>Fregata magnificens</i>	Fregatidae		
N/A	1,000fr Common Merganser, <i>Mergus merganser</i> (L-Ctr)	Anatidae		
N/A	1,000fr Common Goldeneye, <i>Bucephala clangula</i> (RS)	Anatidae		
N/A	3,600fr SS American White Pelican, <i>Pelecanus erythrorhynchos</i>	Pelecanidae		
		2023 February 10 (Cactus & Birds)	Set/4, SS/1	A*
N/A	1,000fr Turquoise-fronted Parrot, <i>Amazona aestiva</i>	Psittacidae		
N/A	1,000fr Eastern Rosella, <i>Platycercus eximius</i>	Psittaculidae		
N/A	1,000fr Blue-streaked Lory, <i>Eos reticulata</i>	Psittaculidae		
N/A	1,000fr Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae		
N/A	3,600fr SS Pale-headed Rosella, <i>Platycercus adscitus</i>	Psittaculidae		
In margin:	Blue-streaked Lory, <i>Eos reticulata</i> (Bot)	Psittaculidae		
		2023 June 20 (Chicks)	Set/4, SS/1	A*
N/A	1,000fr Turkestan Ground-Jay, <i>Podoces panderi</i>	Corvidae	V72(4)	
N/A	1,000fr Western Capercaillie, <i>Tetrao urogallus</i>	Phasianidae		
N/A	1,000fr Lesser White-fronted Goose, <i>Anser erythropus</i> (LL)	Phasianidae		
	Taiga Bean Goose, <i>Anser fabalis</i> (UR)	Anatidae		
N/A	1,000fr Common Chaffinch, <i>Fringilla coelebs</i>	Fringillidae		
N/A	3,600fr SS Northern Gannet, <i>Morus bassanus</i>	Sulidae		
In margin:	Long-tailed Tit, <i>Aegithalos caudatus</i> (LL)	Aegithalidae		
	Yellowhammer, <i>Emberiza citrinella</i> (LR)	Emberizidae		
		2023 June 20 (Storks)	Set/4, SS/1	A*
N/A	1,000fr Black Stork, <i>Ciconia nigra</i>	Ciconiidae		
N/A	1,000fr White Stork, <i>Ciconia ciconia</i>	Ciconiidae		
N/A	1,000fr Same species	Ciconiidae		
N/A	1,000fr Black Stork, <i>Ciconia nigra</i>	Ciconiidae		

CENTRAL AFRICAN REP. (continued)

N/A 3,600fr SS Marabou Stork, *Leptoptilos crumenifer* Ciconiidae
 In margin: White Stork, *Ciconia ciconia* Ciconiidae

COCOS ISLANDS**2023 September 19** Set/2, SS/2 A*

425 \$1.20 White-breasted Waterhen, *Amaurornis phoenicurus* Rallidae
 (Walking on dirt)

426 \$2.40 Same species, with chick walking on grass Rallidae

426a SS of two, #425-426

COOK ISLANDS**2022 August 18** SS//1 A*

1740 \$10.00 Pied Stilt, *Himantopus leucocephalus* Recurvirostridae

2023 July 31 (Barn Owls; type of 2018) Set/4, 2xSS A*

1760 \$9.50 Barn Owl, *Tyto alba* (white frame) Tytonidae

1765a \$9.50 Same species, no white frame Tytonidae

1761 \$10.00 Same species, with white frame Tytonidae

1764b \$10.00 Same species, with no white frame Tytonidae

1762 \$15.00 Same species, with white frame Tytonidae

1764c \$15.00 Same species, no white frame Tytonidae

1763 \$31.10 Same species, with white frame Tytonidae

1764d \$31.10 Same species, with no white frame Tytonidae

1764e SS of 1, #1764c

1764f SS of 1, #1764d

1765 \$9.50 Same species, one bird perched on branch (Vert) Tytonidae

1766 \$10.00 Same species, one bird about to land on branch (Vert) Tytonidae

CZECH REPUBLIC **2023 September 6** (Flora & Fauna of Podyji National Park) MS/4 A*

3942d 38k Black Stork, *Ciconia nigra* Ciconiidae

2023 October 2 (Czech Post 30y) SS/1

3944 63k Passenger Pigeon, *Ectopistes migratorius* Columbidae

DJIBOUTI**2023 May 25** (Birds of Djibouti) Set/4, 2xSS A*

N/A 300fr Egyptian Goose, *Alopochen aegyptiaca* Anatidae

N/A 300fr Red-billed Tropicbird, *Phaethon aethereus* Phaethontidae

N/A 300fr Blue-naped Mousebird, *Urocolius macrourus* Coliidae

N/A 300fr Yellow-crowned Gonolek, *Laniarius barbarous* Malaconotidae

N/A 1,000fr SS#1 Great White Pelican, *Pelecanus onocrotalus* Pelecanidae

In margin: Common Ostrich, *Struthio camelus* (RS) Struthionidae

Hamerkop, *Scopus umbretta* Scopidae

N/A 1,000fr SS#2 Crab Plover, *Dromas ardeola* Dromadidae

In margin: Pomarine Jaeger, *Stercorarius pomarinus* (LS) Stercorariidae

Masked Booby, *Sula dactylatra* (UR) Sulidae

2023 May 25 (Owls) Set/4, 2xSS A*

N/A 300fr Short-eared Owl, *Asio flammeus* Strigidae

N/A 300fr Spectacled Owl, *Pulsatrix perspicillata* Strigidae

N/A 300fr Eastern Screech-Owl, *Megascops asio* Strigidae

N/A 300fr Spotted Owl, *Strix occidentalis* Strigidae

N/A 1,000fr SS Barred Owl, *Strix varia* Strigidae

In margin: Snowy Owl, *Bubo scandiacus* (UR & LS) Strigidae

2023 May 25 (Bee-eaters) Set/4, 2xSS A*

N/A 300fr Red-bearded Bee-eater, *Nyctyornis amictus* Meropidae

N/A 300fr Little Bee-eater, *Merops pusillus* Meropidae

DJIBOUTI (continued)

N/A	300fr	Black Bee-eater, <i>Merops gularis</i>	Meropidae	
N/A	300fr	Rainbow Bee-eater, <i>Merops ornatus</i>	Meropidae	
N/A	1,000fr	SS Red-throated Bee-eater, <i>Merops bulocki</i>	Meropidae	
In margin:		European Bee-eater, <i>Merops apiaster</i>	Meropidae	
2023 May 25 (Lighthouses and birds) Set/4, 2xSS A*				
N/A	300fr	American White Pelican, <i>Pelecanus erythrorhynchus</i>	Pelecanidae	
N/A	300fr	Pomarine Jaeger, <i>Stercorarius pomarinus</i>	Stercorariidae	
N/A	300fr	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae	
N/A	300fr	Royal Albatross, <i>Diomedea epomopha</i>	Diomedeidae	
N/A	1,000fr	SS#1 Northern Gannet, <i>Morus bassanus</i>	Sulidae	
In margin:		Black Tern, <i>Chilidonias niger</i>	Laridae	
N/A	1,000fr	SS#2 White-tailed Tropicbird, <i>Phaethon lepturus</i>	Phaethontidae	
In margin:		Australian Pelican, <i>Pelecanus conspicillatus</i>	Pelecanidae	

EGYPT**2023 October 24** (Migratory birds) Set/4 A*

2311a	£10	European Goldfinch, <i>Carduelis carduelis</i>	Fringillidae	
2311b	£10	Eurasian Golden Oriole, <i>Oriolus oriolus</i>	Oriolidae	
2111c	£10	Bluethroat, <i>Luscinia svecica</i>	Muscicapidae	
2111d	£10	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	

FALKLAND ISLANDS**2023 October 3** Set/4 A*

C22	74p	King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae	
C23	74p	Same species		
C24	80p	Same species		
C25	€1.40	Same species		

FRANCE**2023 October 14** (Nocturnal Animals) Set/5 A*

6512a	€1.16	Barau's Petrel, <i>Pterodroma baraui</i>	Procellariidae	
6512c	€1.16	Tawny Owl, <i>Strix aluco</i>	Strigidae	

GREAT BRITAIN**2023 July 13** (River Wildlife) Set/10, MS /10 (SA) A*

4395	2nd (75p)	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
4398	1st (£1.10)	Gray Wagtail, <i>Motacilla cinerea</i>	Motacillidae	
4402	1st (£1.10)	White-throated Dipper, <i>Cinclus cinclus</i>	Cinclididae	
4403c	2nd (75p)	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
4403f	1st (£1.10)	Gray Wagtail, <i>Motacilla cinerea</i>	Motacillidae	
4403j	1st (£1.10)	White-throated Dipper, <i>Cinclus cinclus</i>	Cinclididae	

Alderney**2023 April 4** (Atlantic Puffin) Set/6, SS/6 A*

759	56p	Atlantic Puffin, <i>Fratercula arctica</i>	Alcidae	
760	79p	Same species		
761	87p	Same species		
762	£1.21	Same species		
763	£1.39	Same species		
764	£1.50	Same species		

GRENADA**2022 November 25** (Scarlet Macaw) Set/6, SS/1 A*

4459a	\$3.00	Scarlet Macaw, <i>Ara macao</i> (facing forward)	Psittacidae	
4459b	\$3.00	Same species, eating		
4459c	\$3.00	Same species, two macaws		
4459d	\$3.00	Same species, facing right		
4459e	\$3.00	Same species, facing left		
4459f	\$3.00	Same species, facing forward, different look		

GRENADA (continued)

4460 \$14.00 SS Same species, pair of macaws

GUINEA**2023 July 5** (Extinct Flying Pterosaurs) Set/4,SS/1 A*N/A 14,500fr †Rhamphorhynchus, *Rhamphorhynchus longicaudus* †RhamphorhynchidaeN/A 14,500fr †Eudimorphodon, *Eudimorphodon ranzii* †EudimorphodontidaeN/A 14,500fr †Pterodaustro, *Pterodaustro guinazui* †CtenochasmatidaeN/A 14,500fr †Caviramus, *Caviramus schesaplanensis* †CavirmidaeN/A 52,000fr SS †Pterosaur, *Dimorphodon macronyx* †DimorphodontidaeIn margin: †Pterodactylus, *Pterodactylus antiquus* †Pterodactylidae

All the above are members of the Order of †Pterosauria.

2023 July 25 (Owls) Set/4, SS/1 A*N/A 14,500fr Snowy Owl, *Bubo scandiacus* StrigidaeN/A 14,500fr Ferruginous Pygmy-Owl, *Glaucidium brasilianum* StrigidaeN/A 14,500fr Southern White-faced Owl, *Ptilopsis granti* StrigidaeN/A 14,500fr Bare-legged Owl, *Margarobyas lawrencii* StrigidaeN/A 52,000fr SS Great Horned Owl, *Bubo virginianus* StrigidaeIn margin: Pharaoh Eagle-Owl, *Bubo ascalaphus* Strigidae**2023 July 25** (Bee-eaters) Set/4, SS/1 A*N/A 14,500fr Blue-cheeked Bee-eater, *Merops persicus* MeropidaeN/A 14,500fr White-fronted Bee-eater, *Merops bullockoides* MeropidaeN/A 14,500fr Red-throated Bee-eater, *Merops bullocki* MeropidaeN/A 14,500fr Blue-bearded Bee-eater, *Nyctyornis athertoni* MeropidaeN/A 52,000fr SS Blue-throated Bee-eater, *Merops viridis* MeropidaeIn margin: European Bee-eater, *Merops apiaster* Meropidae**2023 July 25** (Eagles) Set/4, SS/1 A*N/A 14,500fr Steller's Sea-Eagle, *Haliaeetus pelagicus* AccipitridaeN/A 14,500fr Harpy Eagle, *Harpia harpyja* AccipitridaeN/A 14,500fr African Fish-Eagle, *Ichthyophaga vocifer* AccipitridaeN/A 14,500fr White-tailed Eagle, *Haliaeetus albicilla* AccipitridaeN/A 52,000fr SS Golden Eagle, *Aquila chrysaetos* AccipitridaeIn margin: Bald Eagle, *Haliaeetus leucocephalus* Accipitridae**LIBERIA****2023 June 30** (Kingfishers) Set/6, SS/1 A*N/A \$150.00 Azure Kingfisher, *Ceyx azureus* AlcedinidaeN/A \$150.00 Common Paradise-Kingfisher, *Tanysiptera galatea doris* (ssp) AlcedinidaeN/A \$150.00 Collared Kingfisher, *Todiramphus chloris* AlcedinidaeN/A \$150.00 Azure Kingfisher, *Ceyx azureus* AlcedinidaeN/A \$150.00 Common Kingfisher, *Alcedo atthis* AlcedinidaeN/A \$150.00 Azure Kingfisher, *Ceyx azureus* AlcedinidaeN/A \$850.00 SS Belted Kingfisher, *Megaceryle alcyon* AlcedinidaeIn margin: †Guam Kingfisher, *Todiramphus cinnamominus* Alcedinidae**2023 July 30** (Hornbills) Set/6, SS/1 A*N/A \$150.00 Northern Red-billed Hornbill, *Tockus erythrorhynchus* BucerotidaeN/A \$150.00 Helmeted Hornbill, *Rhinoplax vigil* BucerotidaeN/A \$150.00 Southern Ground-Hornbill, *Bucorvus leadbeateri* BucorvidaeN/A \$150.00 Abyssinian Ground-Hornbill, *Bucorvus abyssinicus* BucorvidaeN/A \$150.00 Rhinoceros Hornbill, *Buceros rhinoceros* BucerotidaeN/A \$150.00 Indian Gray Hornbill, *Ocyrceros birostris* BucerotidaeN/A \$850.00 SS Great Hornbill, *Buceros bicornis* BucerotidaeIn margin: Oriental Pied-Hornbill, *Anthracoceros albirostris* Bucerotidae

LIBERIA (continued)

		2023 June 30 (Lighthouses and Birds)		Set/6, SS/1	A*
N/A	\$150.00	Northern Gannet, <i>Morus bassanus</i>	Sulidae		
N/A	\$150.00	Great Black-backed Gull, <i>Larus marinus</i>	Laridae		
N/A	\$150.00	White Ibis, <i>Eudocimus albus</i>	Threskiornithidae		
N/A	\$150.00	Fork-tailed Storm-Petrel, <i>Oceanodroma furcatus</i> (Stamp has genus of <i>Hydrobates</i>)	Hydrobatidae		
N/A	\$150.00	Yellow-nosed Albatross, <i>Thalassarche chlororhynchos</i>	Diomedeidae		
N/A	\$150.00	Common Murre, <i>Uria aalge</i>	Alcidae		
N/A	\$850.00 SS	Northern Fulmar, <i>Fulmarus glacialis</i>	Procellariidae		
In margin:		Laysan Albatross, <i>Phoebastria immutabilis</i>	Diomedeidae		

ST. HELENA

		2023 August 1 (Extinct birds)		Set/4, SS/1	A*
1201	40p †	St. Helena Crake, <i>Zapornia astrictocarpus</i>	Rallidae	V73(1)	
1202	60p †	St. Helena Rail, <i>Aphanocrex podarces</i>	Rallidae	V73(1)	
1203	£1.35 †	St. Helena Cuckoo, <i>Nannococcyx psix</i>	Cuculidae	V73(1)	
1204	£1.50 †	St. Helena Hoopoe, <i>Upupa antaios</i>	Upupidae	V73(1)	
1205	£3 †	St. Helena Dove, <i>Dysmoropelia dekarchiskos</i>	Columbidae	V73(1)	

S. GEORGIA & S. SANDWICH IS.

		2023 October 9 (Wildlife & Islands)		Set/2	A*
686	£1.50	Southern Giant-Petrel, <i>Macronectes giganteus</i>	Procellariidae		

SIERRA LEONE

		2023 March 20 (Lighthouses)		Set/9, SS/1	A*
N/A	22Le	Olrog's Gull, <i>Larus atlanticus</i>	Laridae		
N/A	22Le	Peruvian Booby, <i>Sula variegata</i>	Sulidae		
N/A	104Le SS	Herring Gull, <i>Larus argentatus</i>	Laridae		

		2023 March 20 (Extinct Species)		Set/9, SS/1	A*
N/A	22Le †	Dodo, <i>Raphus cucullatus</i>	Columbidae		
N/A	104Le SS †	Huia, <i>Heteralocha acutirostris</i>	Callaeidae		

		2023 March 20 ("Flying Dinosaurs")		Set/5, SS/1	A*
N/A	22Le †	Sordes, <i>Sordes pilosus</i>	†Ramphorhynchidae		
N/A	22Le †	Peteinosaurus, <i>Peterinosaurus zambellii</i>	†Dimorphontidae		
N/A	22Le †	Quetzalcoatlus, <i>Quetzalcoatlus northropi</i>	†Azhoarchidae		
N/A	22Le †	Pterodactylus, <i>Pterodactylus antiquus</i>	†Pterodactylidae		
N/A	22Le †	Rhamphorhynchus, <i>Rhamphorhynchus longicaudus</i>	†Rhamphorhynchidae		
N/A	104Le SS †	Dimorphodon, <i>Dimorphodon macronyx</i>	†Dimorphodontidae		

All the above are members of the Order of †Pterosauria

		2023 March 20 (Endangered Species)		Set/5	A*
N/A	22Le	Galapagos Penguin, <i>Spheniscus mendiculus</i>	Spheniscidae		

		2023 May 25 (Extinct Birds)		Set/6, SS/1	A*
N/A	18Le †	Labrador Duck, <i>Camptorhynchus labradorius</i>	Anatidae		
N/A	18Le †	Canarina Oystercatcher, <i>Haematopus meadewaldoi</i> (Extinct since 1913)	Haematopodidae	V73(1)	
N/A	18Le †	Lord Howe Gerygone, <i>Gerygone insularis</i>	Acanthizidae	V73(1)	
N/A	18Le †	North Island Snipe, <i>Coenocorypha barrierensis</i> (Extinct since 1870)	Scolopacidae	V73(1)	
N/A	18Le †	Bonin Thrush, <i>Zoothera terrestris</i> (extinct 1889)	Turdidae	V73(1)	
N/A	18Le †	Puerto Rican Parakeet, <i>Psittacara maugaei</i>	Psittacidae	V73(1)	
N/A	104Le SS †	Bonin Grosbeak, <i>Carpodacus ferreorostris</i>	Fringillidae		

SIERRA LEONE (continued)

In margin: †Tongan Buff-banded Rail, *Gallirallus philippensis hypoleucus* Rallidae V73(1)
(a new extinct Rail species—it is missing as a ssp listing -it could be a Tongatapu Rail, per Chuck Braun) (LR)

†Dodo, *Raphus cucullatus* (LL) Columbidae

TURKEY **2023 August 15** Single A*
B340 15L+25k Indian Peafowl, *Pavo cristatus* Phasianidae

TUVALU **2022 November 21** (Mallard Duck) Set/4, SS/1 A*
1581a \$1.00 Mallard Duck, *Anas platyrhynchos* Anatidae
(Walking on sand)
1581b \$2.00 Same species, grooming itself in water Anatidae
1581c \$3.00 Same species, swimming right Anatidae
1581d \$4.00 Same species, standing in field Anatidae
1582a \$4.00 SS Female species Anatidae
1582b \$4.00 Male species Anatidae

Summation of the 2023 Updates and Changes made by Cornell University's to the Clements Checklist of Birds of the World, 6th edition, published in 2007.

Since the death of James Clements in 2005, Cornell University Laboratory of Ornithology has assumed the yearly update to Clements Checklist of Birds of the World, 6th edition. When the book was published the number of bird families consisted of 104 in the non-passerines and 99 in the passerines, for a total of 203. After eighteen years of updates and changes to the 6th edition the number of families in the non-passerines is now 108, and 143 families in the passerines, for a new total of 251 families. In these 18 years, many, many changes have been made to this book. The original number of species in the non-passerines was 4,037 and the passerines was 5,893, for a Total 9,930. After the changes and updates from the 2023 changes, the total number of full bird Species now stands at 11,017, and increase of 1,087.

This increase of 1,087 is a result of subspecies being elevated to full bird status, in the last 18 years, and any new species found that at the time were assumed to be lost or found. Subspecies now total 20,325 as of the updates of 2023. So as the birds are constantly being studied by groups of birders worldwide, as well as studies by scientists, who study the morphology of the birds, and other changes, the potential for increases in the number of birds to be elevated to a full bird status, could be huge, as the number of subspecies are studied. In the past few years eBird/Clements has adopted the concept of the group. A “group” is a distinctive (field identifiable) subspecies or group of subspecies. This group is not a formal taxonomic unit, but often represents a potential future split, resulting in more full species birds. In 2021 updates, a total of 114 were elevated to full bird status, 2022 123, and 2023 127.

The changes in that I had to make to the Clements Checklist is as follows.

To the non-passerines, new birds, 39; changes to the English name, 50; new genus name changes was 100; species name changes were 13.

To the passerines, 86 new birds; changes to the English name, 71; genus name changes, 67; new species name changes, 13.

In total, 125 new birds, 121 English name changes, 167 genus name changes, and 26 species name changes.

In addition to making all these additions and changes to the Clements Checklist, which is at the point that it is getting impossible to squeeze all these changes in the book itself. Room is at a premium on many pages. I've had this book re-bound twice due to heavy use of the book to verify that English names or scientific names are correct for writing my quarterly articles.

In addition, I maintain my own Excel spreadsheet, which I created when the 6th edition came out, which only lists all the English names under each family, a column for the genus name and a column for the species name. I added to columns, one for keeping track of how many birds have had a stamp issued with that birds name on a stamp, and other column for keeping track of how many birds are in each family in total.

These changes I reported for the 2023 updates is just the tip of the iceberg, compared to how heavy they were in prior years, when many new families were created and many birds were moved from one family to another. I've been pushing for a new book to be printed but the word is NO. It is not easy working with their spreadsheet, which is time-consuming, as their spreadsheet has over 38,000 cells, to show thee full bird species, which are in the color blue, the subspecies, which are in the color white, and the groups, which are in the color pink. It takes too long to page to a particular family, the page down to find the full bird (in blue) which has many other cells that belong to subspecies that are part of many full species birds.

Of the 11,017 full bird species at the end of 2023, 4656 of them have appeared on postage stamps, for a percentage of 42.26 at the end of 2023.

Glenn G. Mertz

Gibraltar Birds of Prey

Gibraltar, with its unique geographical location at the southern tip of the Iberian Peninsula, is an important habitat and migratory route for various species, making these birds of prey particularly significant to the region. The stamps and miniature sheet feature captivating photographs skillfully captured by Mr Nicholas Ferrary, a dedicated wildlife enthusiast and Gibralterian native. The "Birds of Prey" collection showcases the following species:

Golden Eagle: A top predator, the Golden Eagle soars over mountains, preying on a diverse range of mammals and birds. Its presence underscores the importance of apex predators in maintaining ecological balance.

Black Vulture: Dominating the skies with its broad wings, the Black Vulture is a key member of nature's cleanup crew, efficiently disposing of carcasses and contributing to ecosystem health.

Egyptian Vulture: Known for its distinctive white plumage and yellow face, the Egyptian Vulture is an adaptable scavenger that plays a vital role in waste disposal and carrion cleanup.

Imperial Eagle: The Imperial Eagle symbolises conservation efforts, highlighting the importance of habitat preservation for endangered species and ecosystem health.

Scops Owl: The nocturnal Scops Owl, with its haunting calls, controls insect populations and demonstrates the adaptability of owls to diverse environments.

Red Kite: As a graceful glider, the Red Kite efficiently disposes of carrion, contributing to the cleanliness and health of woodland habitats.



Issue Date: 20.02.2024

<https://www.wopa-plus.com/en/stamps/product/&pid=87443#>

New Birds in the Philatelic Aviary

By Charles E. Braun, BU 1364

Corrections

In BP51#3, delete Flame-templed Babbler; the stamp actually shows a Red-billed Leiothrix.

New Birds



MAURITIUS TURTLE-DOVE, *Nesoenas cicui* Columbidae
Mauritius, 2023, not yet cataloged, 25r Extinct about 1720
Length: 14 inches, sexes alike, resident. Gray, with brown wings and tail.
Habitat: Forest.
Range: Mauritius.
Reference: J. P. Hume, Zootera 3124, 2011.



RODRIGUES TURTLE-DOVE *Nesoenas rodericanus* Columbidae
Mauritius, 2023, not yet cataloged, 7r Extinct about 1750
Length: 10 inches, sexes alike, resident. Slate gray.
Habitat: Forest.
Range: Rodrigues Island, Indian Ocean.
Reference: J. P. Hume, Zootera 3124, 2011.



SAINT HELENA DOVE, *Dysmoropelia dekarchiskos*
Columbidae
St. Helena, 2023, not yet cataloged, £3 Extinct about 1510
Length: 20 inches, sexes alike, resident. A flightless bird, with short wings and robust legs.
Habitat: Sandy areas,
Range: St. Helena Island, South Atlantic.
Reference: P. Ashmore, St. Helena and Ascension, a Natural History, 2000.



NEGROS BLEEDING-HEART, *Gallicolumba keayi* Columbidae
Singapore, 2023, not yet cataloged, 80c
Length: 12 inches, sexes similar, resident. Rich chestnut above and white below, with an iridescent green head and neck, blood red breast patch and creamy tinged belly.
Habitat: Primary and secondary forest floor.
Range: Negros, Philippines.
Reference: del Hoyo, J., A. Elliott and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 4.



SAINT HELENA CUCKOO, *Nannococcyx psix* Cuculidae
St. Helena, 2023, not yet cataloged, 80p Extinct about 1750
Length: Sexes alike, resident. Brown above and black-barred whitish below, with black-and-white checkered wings.
Habitat: Forest.
Range: St. Helena Island, South Atlantic.
Reference: Bird Life International, Species Facts 2023

BUFF-TAILED CORONET, *Boissonneaua flavescens* Trochilidae

Colombia, 2023, not yet cataloged, 2000p

Length: 4.5 inches, sexes similar, resident. Shining green above, head and breast and green-spotted buff below, with cinnamon underwing coverts.

Habitat: Forest, forest edges and shrubby areas.

Range: Northwestern Venezuela to western Ecuador.

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

**SAINT HELENA CRAKE, *Zapornia astrictocarpus*** Rallidae

St. Helena, 2023, not yet cataloged, 40p Extinct about 1520

Length: 7 inches, sexes similar, resident. A flightless bird, rufous above and gray below.

Habitat: Marshes.

Range: St. Helena Island, South Atlantic.

Reference: J. Bird, et al, Conservation Biology, 34, 2020.

**TONGAN BUFF-BANDED RAIL, *Gallirallus philippensis ecaudatus*** Rallidae Subspecies

Sierra Leone, 2023, not yet cataloged, 104Le Surrounds

Gallirallus hypoleucus (extinct Tongatapu Rail) on the stamp

Length: 10 to 13 inches, sexes similar, resident. Finely barred brown above and finely barred white below, with a white superciliary and throat, reddish legs and a buff belly.

Habitat: Dense, rank vegetation.

Range: Tonga.

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

**SAINT HELENA RAIL, *Aphanocrex podarces*** Rallidae

St. Helena, 2023, not yet cataloged, 60p Extinct about 1520

Length: 18 inches, sexes alike, resident. A flightless bird with short wings, robust legs and long claws.

Habitat: Marshes.

Range: St. Helena Island, South Atlantic.

Reference: S. L. Olson, Smithsonian Contributions to Zoology, 152iii, 1975.

**CANARIAN OYSTERCATCHER, *Haematopus meadewaldoi***

Haematopidae

Sierra Leone, 2023, not yet cataloged, 18Le Extinct about 1915

Length: 17 inches, sexes alike, resident. Black, with a white wing patch and an orange bill.

Habitat: Seashores.

Range: Canary Islands

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

**CAPE VERDE STORM-PETREL *Hydrobates jabejabe*** Hydrobatidae

Cape Verde Islands, 2023, not yet cataloged, 40c

Length: 7 inches, sexes alike, pelagic. Black, with a white rump and a pale patch on the underwing.

Habitat: Breeds on rocky islands, otherwise marine and pelagic.

Range: Breeds on Cape Verde Islands, ranges to near Atlantic Ocean.

Reference: *Hydrobates jabejabe*, BirdLife International, 2018.



SAINT HELENA HOOPOE, *Upupa antaios* Upupidae

St. Helena, 2023, not yet cataloged, £1.50 Extinct about 1640

Length: 14 inches, sexes alike, resident. Pinkish cinnamon, with a black-spotted crest and a black-and-white back and tail.

Habitat: Wooded plains, parks, farms and gardens.

Range: St. Helena Island, South Atlantic.

Reference: J. P. Hume, Extinct Birds 2017.

COMMON PAEADISE KINGFISHER, *Tanysiptera galatea doris*

Alcedinidae Subspecies

Liberia, 2023, not yet cataloged, \$150

Length: 13 to 17 inches, sexes similar, resident. Dark blue overspend white below, with a blue crown and a white rump and upper back.

Habitat: Forest and plantations.

Range: Morita, Indonesia.

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



PUERTO RICAN PARAKEET, *Psittacara maugaei* Psittacidae

Sierra Leone, 2023, not yet cataloged. 18Le Extinct about 1905

Length: 13 inches, sexes alike, resident. Dull green with red wing patches.

Habitat: Forest.

Range: Puerto Rico and Mona Island.

Reference: Aid Dsy, Vanished Species.

LARGE-TAILED ANTSHRIKE, *Mackenziana leachii* Thamnophilidae

Surinam, 2023, not yet cataloged, \$60

Length: 10 inches, resident. The male (shown on the stamp) is white-spotted black; the female is white-spotted brown.

Habitat: Dense thickets of forests,

Range: Souteastern Brazil.

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



STAR-THROATED ANTWREN, *Rhopias gularis* Thamnophilidae

Surinam. 2023, not yet cataloged, \$80

Length: 3.5 inches, sexes similar, resident. Rufous-brown above and gray below, with a grayish forehead and white-spotted-black throat and wings.

Habitat: Understorey of evergreen forest.

Range: Coastal southeastern Brazil.

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



RUSTY-BACKED ANTWREN, *Formicivora rufa* Thamnophilidae

Surinam, 2023, not yet cataloged, \$30

Length: 5 inches, resident. The male (shown on the stamp) is tawny-rufous above and cinnamon-buff below, with a white-edged black face, throat and breast and white-spotted brown wings, the female has a white supercilium and white-streaked-black face, throat and breast.

Habitat: Undergrowth of forest, scrub and grassland.

Range: Eastern Peru, southern Surinam, eastern Bolivia, east-central Brazil and northeastern Paraguay.



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

COLLARED CRESCENTCHEST, *Melanopareia torquata*

Melanopareiidae

Surinam, 2023, not yet cataloged, \$70,

Length: 6 inches, sexes alike, resident. Brown above and buff below, with a gray-brown crown and nape, black face and collar and pale supercilium.

Habitat: Dry, hot areas and thickets at the edge of grassy areas.

Range: Central Brazil, eastern Bolivia and eastern Paraguay.

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

**BLACK-CHEEKED GNATEATER, *Conopophaga melanops***

Conopophagidae

Surinam, 2023, not yet cataloged, \$30

Length: 4 to 5 inches, resident. The male (shown on the stamp) is brown above and gray below, with a rufous cap, black mask and whitish throat and belly; the female is rufous below and lacks the black mask.

Habitat: Interior and edges of forests and dense second growth.

Range: Coastal Brazil.

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

**RUFIOUS GNATEATER, *Conopophaga lineata*** Conopophagidae

Surinam, 2023, not yet cataloged, \$20

Length: 5 inches, resident. The male (shown on the stamp) is rufous-chestnut above and rufous below, with a gray supercilium and a whitish postocular tuft, neck and belly patch; the female lacks the belly patch.

Habitat: Humid woodland, forest and bamboo thickets,

Range: Eastern Brazil, eastern Paraguay, northeastern Argentina and eastern Uruguay

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

**CHESTNUT-CROWNED ANTPITTA, *Grallaria ruficapilla*** Grallariidae

Colombia, 2023, not yet cataloged, 2000p

Length: 7 inches, sexes alike, resident. Olivaceous above and white below, with rufous crown and nape and dark-streaked sides.

Habitat: Forest borders, forest clearings, bushy patches and hedgerows.

Range: Northwestern Venezuela to western Peru.

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

**APURIMAC SPINETAIL, *Synallaxis courseni*** Furnariidae

Peru, 2023, not yet cataloged, 7,60s

Length: 7 inches, sexes alike, resident. Gray, with a rufous hindcrown, hindneck, wings and tail.

Habitat: Dense undergrowth of forest edges, second growth and bamboo thickets.

Range: Central Peruvian Andes.

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



**HELMETED MANAKIN, *Antilophia galeata*** Pipridae

Surinam, 2023, not yet cataloged, D

Length: 6 inches, sexes alike, resident. Black, with a red forehead to back.

Habitat: Gallery woodland and palm groves.

Range: Central Brazil.

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

**BLACK-CAPPED PIPRITES, *Piprites pileata*** Tyrannidae

Surinam, 2023, not yet cataloged, \$95

Length: 5 inches, resident. The male (shown on the stamp) is chestnut above and cinnamon-rufous below, with black crown to nape and two white wingbars; the female is duller and lacks the wingbars.

Habitat: Montane Atlantic forest.

Range: Southeastern Brazil.

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

**HOODED BERRYEATER, *Carpornis cucullata*** Cotingidae

Surinam, 2023, not yet cataloged, \$8

Length: 9 inches, sexes similar, resident. Dark brown above and yellow below, with a black hood and a narrow yellow hindcollar.

Habitat: Humid forest and palm groves.

Range: Coastal southeastern Brazil.

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

**BUFF-THROATED PURPLETUFT, *Iodopleura pipra*** Tityridae

Surinam, 2023, not yet cataloged, \$50

Length: 4 inches, resident. The male (shown on the stamp) is gray above and gray-barred white below, with a cinnamon-buff throat and small violet flank tufts; the female lacks the flank tufts.

Habitat: Humid forest, secondary woodland and cacao plantations.

Range: Coastal eastern Brazil.

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

**LORD HOWE GERYGONE, *Gerygone insularis*** Acanthizidae

Sierra Leone, 2023, not yet cataloged, 18Le Extinct about 1930

Length: 5 inches, sexes alike, resident. Grayish brown above and gray below, with a pale gray eyering and a yellowish belly.

Habitat: Forest.

Range: Lord Howe Island, Australia.

Reference: Birdlife International. IUCN Red List of Threatened Species 2016.

**SYRIAN SERIN, *Serinus syriacus*** Fringillidae

Syria, 2013, 1716a, 75 pounds

Length: 5 inches, sexes similar, partially migratory. Faintly streaked gray-buff above and lightly streaked yellow below, with a golden-yellow forecrown and yellow wing patches, rump and upper tail.

Habitat: Breeds in open woodland and bushy slopes; winters in dry areas.

Range: Breeds in Lebanon, southern Syria, northern Israel and adjacent Jordan; winters also in northeastern Egypt, southern Jordan and northern Iraq.

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



ICHTHYOLOGY

Harvey Robins BU#1897



Scott#	Denom	Common name/Scientific Name	Family	Code
AUSTRALIA				
2023 September 4 (Big statues) Set/5 & SS/5, Bkls/5 10 ea., S/A				
5656	\$1.20	Murray cod, <i>Maccullochella peelii</i> , head, giant statue at swan Hill	Percichthyidae	S
5661 (S/A)	\$1.20	Same species	Percichthyidae	S
2023 October 3 (Walt Disney Co., 100 y) Set/4 & SS/4, Bklt/10, 3 & 2, S/A				
5670	\$1.20	Orange clownfish, <i>Amphiprion percula</i> as Nemo	Pomacentridae	S
5671	\$1.20	Stylized fish in background with Ariel at Gt. Barrier Reef		U
5674 (S/A)	\$1.20	Orange clownfish, <i>Amphiprion percula</i> as Nemo	Pomacentridae	S
5675 (S/A)	\$1.20	Stylized fish in background with Ariel at Gt. Barrier Reef		U
BAHAMAS				
2023 July 26 (Independence 50y) Set/4				
1560	15c	Atlantic blue marlin, <i>Makaira nigricans</i> in COA (UL & letterhead)	Istiophoridae	S
1561	50c	Atlantic blue marlin, <i>Makaira nigricans</i> in COA (UL)	Istiophoridae	S
1562	65c	Atlantic blue marlin, <i>Makaira nigricans</i> in COA (UL)	Istiophoridae	S
		Another, center bottom of box	Istiophoridae	S
1563	70c	Atlantic blue marlin, <i>Makaira nigricans</i> in COA (UL)	Istiophoridae	S
BOLIVIA				
2018 (America type of 1999 with red postal Agency handstamp) Set/2				
1086A	3.5b	Stylized fish on left side of globe		S
BOTSWANA				
2022 August 31 (Pel's fishing owl) Set/4 & SS/4				
1119	5p	Owl perched in tree (no fish)		R
1120	7p	Fish held in talon of perched owl		U
1121	9p	Owl and chick in nest (no fish)		R
1122	10 p	Owl in flight (no fish)		R
1122a	SS 4	Scott #'s 1119-1122		
CHINA (TAIWAN)				
2023 March 30 (Mandarin phonetic symbols) Blk/10				
4685e	\$6	Pacific bluefin tuna, <i>Thunnus orientalis</i>	Scombridae	B
2023 August 11 (Qing Dynasty porcelain vases-Taipei 2023) SS/1				
4700b	\$28	Goldfish, <i>Carassius auratus auratus</i> on side of vase	Cyprinidae	S
4700	SS/2	Enlargement as above of side of vase	Cyprinidae	Z
2023 August 11 (Sanrio characters, Taipei 2023) 2 Shts/5				
4702	Sht/5	Stylized fish (LL beneath buildings) to R of Tapei 2023 logo		Z
COCOS ISLANDS				
2023 March 21 (Reef fish) Sht 10				
424a	\$1.20	Roundhead parrotfish, <i>Scarus viridifucatus</i>	Scaridae	A
424b	\$1.20	Bluefin trevally, <i>Caranx melampygus</i>	Carangidae	A
424c	\$1.20	Longfin batfish, <i>Platax teira</i>	Ephippidae	A
424d	\$1.20	Tomato rockcod (hind), <i>Cephalopholis sonnerati</i>	Serranidae	A
424e	\$1.20	Checkerboard wrasse, <i>Halichoeres hortulanus</i>	Labridae	A
424f	\$1.20	Gilded triggerfish, <i>Xanthichthys auromarginatus</i>	Balistidae	A
424g	\$1.20	Masked spinefoot, <i>Siganus puellus</i>	Siganidae	A
424h	\$1.20	Striped surgeonfish, <i>Acanthurus lineatus</i>	Acanthuridae	A
424i	\$1.20	Yellowhead angelfish, <i>Centropyge jocularis</i>	Pomacanthidae	A
424j	\$1.20	Peppered butterflyfish, <i>Chaetodon guttatissimus</i>	Chaetodontidae	A

CROATIA		2023 April 30 (Campaign to eliminate plastic pollution of seas) Single		
1304	€1.14	Plastic waste formed in shape of a fish		R
CYPRUS		2022 September 16 (Ancient Greek Gods) Sht 12		
1380k	34c	Stylized fish-like creature wrapped around sword of Posiedon		S
CZECH REPUBLIC		2023 September 6 (Flora & Fauna of Podyji National Park) Sht/4		
3942	Sht/4	Brown trout, <i>Salmo trutta</i> (LR of sheet)	Salmonidae	Z
		Bullhead, <i>Cottus gobio</i> (LR of sheet)	Cottidae	Z
FAROE ISLANDS		2023 August 11 (Martin Morck-1000th stamp design) SS/1		
838	50k	'Returning from Fishing' ptg by Krause- fishers carrying backpacks of fish		U R
FIJI		2022-2023 (Birds, 1995 overprinted) Singles		
1472(a)	23c	Sc732, fish in mouth of mangrove heron (overprinted)		U
FRANCE		2023 July 13 (Route Napoleon, N85) Sht/3 & SS/3		
6475f	SS €1.16	Stylized red scorpionfish, <i>Scorpaena scrofa</i>	Scorpaenidae	S Z
GIBRALTAR		2023 June 30 (Wildlife and tuna) Set/6		
1859	60p	Bluefin tuna, <i>Thunnus thynnus</i>	Scombridae	A
GREAT BRITAIN		2023 May 6 (Coronation of King Charles III) Sht/4 & Sht/8, S/A		
4365d	£2.20	Person fishing with pole in boat (seen through RR bridge) no fish		
4366d	£2.20	Person fishing with pole in boat (seen through RR bridge) no fish		
		2023 July 13 (River wildlife) Set/10 & MS/10 + 10 labels S/A		
4394	(75p)	Atlantic salmon, <i>Salmo salar</i> , jumping rapid	Salmonidae	A
4401	(£1.10)	Brown trout, <i>Salmo trutta</i>	Salmonidae	A
4403b	(75p)	Atlantic salmon, <i>Salmo salar</i> , jumping rapid (with label)	Salmonidae	A
4403i	(£1.10)	Brown trout, <i>Salmo trutta</i> (with label)	Salmonidae	A
Guernsey		2023 July 19 (Traditional markets) Set/4		
1732	£2.42	Fish displayed in fish market		S
Alderney		2023 April 4 (Atlantic puffin) Set/6		
760	79p	Great sand eel, <i>Hyperoplus lanceolatus</i> , in beak of puffin	Ammodytidae	B
762	£1.21	Great sand eel, <i>Hyperoplus lanceolatus</i> , in beak of puffin	Ammodytidae	B
Jersey		2023 March 21 (Traditional markets) Set/6 & SS/1		
2569	60p	Fish in display at fishmonger's market		S
Isle of Man		2022 October 31 (Underwater photography) Set/6		
2269	£2.55	Cat shark, <i>Scyliorhinus canicular</i>	Scyliorhinidae	A
GREENLAND		2022 November 11 (Nordic fish -Dated 2022) S/A bklt pa/10, 2 labels		
909b	2k	Blue whiting, <i>Micromesistius poutassou</i> (like 805)	Gadidae	A
909c	3k	Black dogfish, <i>Centroscyllium fabricii</i> (like 836)	Etmopteridae	A
909d	11.5k	Glacial lantern fish, <i>Benthoosema glaciale</i> (like 896)	Myctophidae	A
909e	2k	Atlantic mackerel, <i>Scomber scombrus</i> (like 788)	Scombridae	A
909f	14k	Lumpsucker, <i>Cyclopterus lumpus</i> (like 864)	Cyclopteridae	A
909g	16k	Atlantic herring, <i>Clupea harengus</i> (like 789)	Clupeidae	A
909h	28k	Greenland shark, <i>Somniosus microcephalus</i> (like 865)	Somniosidae	A
909i	28k	Arctic cod, <i>Boreogadus saida</i> (like 897)	Gadidae	A
909j	30k	American plaice, <i>Hippoglossoides platessoides</i> (like 806)	Pleuronectidae	A
909k	32k	Atlantic tuna, <i>Thunnus thynnus</i> (like 837)	Scombridae	A
909A	(bklt pa)	Stylized fish (diff) on 2 labels		S Z
		2023 May 30 (Traditional markets-SEPAC) Single		
924	23k	Atlantic cod, <i>Gadus morhua</i> , in open-air market with vendor	Gadidae	A

GRENADA		2022 November 4 (Fish and flower definitives) Set/6		
4447	\$1	Banded butterflyfish, <i>Chaetodon striatus</i>	Chaetodontidae	A
4449	\$5	Royal gramma, <i>Gramma loreto</i>	Grammatidae	A
4451	\$500	Princess parrotfish, <i>Scarus taeniopterus</i>	Scaridae	A
JAPAN		2022 December 14 (Kanazawa delicious food) 2 panes/10 S/A		
4634a	¥63	Kinkato (sweet), in the shape of a fish		R
4644a	Bklt pa	Sc4635-44 ¥84	Herring, <i>Clupea harengus</i> (ur)	Clupeidae
		Japanese red seaperch, <i>Sebastes inermis</i> (lr)	Scorpaenidae	Z
JORDAN		2022 December 29 (Adventure tourism) Sht 6		
2514e	30pi	Anthias, <i>Pseudanthias</i> sp. at face of reef, diver	Serranidae	C
LATVIA		2023 March 11 (Fish) Single		
1128	€1.52	Vendance, <i>Coregonus albula</i>	Salmonidae	A
MACAO		2022 Junr 24 (Feast of St. John) set/2 & SS/1		
1668	2.50p	Fish, grilled on plate, glass of beer, flowers, building		Z
MONACO		2023 June 1 (4th meeting of Grimaldi historical sites) SS/1		
3147	€3.70	Stylized fish in Ferrette Family shield (r)		S Z
NEVIS		2022 December 1 (Clownfish) Sht/6 & SS/1		
2064a	\$3.50	Saddleback clownfish, <i>Amphiprion polymnus</i>	Pomacentridae	A
2064b	\$3.50	Maroon clownfish, <i>Premnas biaculeatus</i>	Pomacentridae	A
2064c	\$3.50	Clarke's anemonefish, <i>Amphiprion clarkii</i>	Pomacentridae	A
2064d	\$3.50	Cinnamon clownfish, <i>Amphiprion melanopus</i>	Pomacentridae	A
2064e	\$3.50	Tomato clownfish, <i>Amphiprion frenatus</i>	Pomacentridae	A
2064f	\$3.50	Pink skunk clownfish, <i>Amphiprion perideraion</i>	Pomacentridae	A
2064	Sht/6	Stylized shark, other fish outlines		U Z
2065	\$14	Orange clownfish, <i>Amphiprion percula</i>	Pomacentridae	A
2065	SS/1	Stylized shark, other fish outlines		U Z
PERU		2022 November 15 (National Society of Fisheries-70th Anniv.) Single		
2058	2.60s	Fish catch on deck of fishing boat, fishing boat shown separately		U
RUSSIA		2022 August 17 (Rep. of Adygea, Centennial) SS/1		
8398	100r	Stylized sturgeon (R)	Acipenseridae	Z
		2023 February 28 (Contemporary art) Set/4		
8482	63r	Stylized fish cleaned on deck of fishing vessel, 'In the Field' ptg by Efimochkin		S
ST. PIERRE & MIQUELON		2023 January 28 (Trawler Rodrigue) Single		
1130	€1.85	Atlantic cod, <i>Gadus morhua</i> , in pushcart, fishing trawler	Gadidae	B
SPAIN		2022 October 25 (Basque cuisine, Pil-Pil cod) SS/1		
4650	€4.50	Atlantic cod, <i>Gadus morhua</i> , fillets on plate in Pil-Pil sauce	Gadidae	R
		2023 February 24 (Sevilla Central Market, 50y) Single		
4672	88c	Stylized fish inside the '0' of '50', vegetables surrounding		S
SURINAM		2022 October 5 (North American cypriniform fish) Blk/12		
1653a	\$8.50	Blacktail shiner, <i>Cyprinella venusta</i>	Leuciscidae	A
1653b	\$12	Common shiner, <i>Luxilus cornutus</i>	Leuciscidae	A
1653c	\$13	Bleeding shiner, <i>Luxilus zonatus</i>	Leuciscidae	A
1653d	\$14	Rosefin shiner, <i>Lythrurus ardens</i>	Leuciscidae	A
1653e	\$15	Redlip shiner, <i>Notropis chiliticus</i>	Leuciscidae	A
1653f	\$16	Rainbow shiner, <i>Notropis chrosomus</i>	Leuciscidae	A

SURINAM (continued)

1653g	\$17	Taillight shiner, <i>Notropis maculatus</i>	Leuciscidae	A
1653h	\$18	Finescale dace, <i>Chrosomus neogaeus</i>	Leuciscidae	A
1653i	\$19	Bluenose shiner, <i>Pteronotropis welaka</i>	Leuciscidae	A
1653j	\$20	Speckled dace, <i>Rhinichthys osculus</i>	Leuciscidae	A
1653k	\$21	Fallfish, <i>Semotilus corporalis</i>	Leuciscidae	A
1653l	C(\$66.50)	Rosyside dace, <i>Clinostomus funduloides</i>	Leuciscidae	A

TRINIDAD & TOBAGO**2021 October 16** (Authentic cuisine) Bklt/10

974b	\$1	Cod, <i>Gadus</i> sp., salt fish and provision	Gadidae	R
974g	\$1	Shark and bake burger		R

TURKEY**2021 October 22** (Sharks) Set/4

3773	4L	Smooth hammerhead shark, <i>Sphyrna zygaena</i>	Sphyrnidae	A
3774	4L	Basking shark, <i>Cetorhinus maximus</i>	Cetorhinidae	A
3775	4L	Great white shark, <i>Carcharodon carcharias</i>	Lamnidae	A
3776	4L	Sand tiger shark, <i>Carcharias taurus</i>	Odontaspidae	A

2022 February 24 (Bosphorus) Set/2

3785 5L Hillside fishing village on the Bosphorus (no fish)

2022 June 5 (World Environment Day) Horiz Pair

3803b 5L Stylized fish beneath turtle, thermometer S

TUVALU**2022 June 17** (Hawksbill turtle) Sht/6 & SS/1

1563	Sht 6	Brassy chub, <i>Kyphosus vaigiensis</i> (center)	Kyphosidae	Z
1564	SS1 \$7	Unidentified small fish		Z

UNITED NATIONS**2023 June 8** (World Oceans Day -Fish) Three Shts/9**New York** (Florida reefs)

1319a	63c	French angelfish, <i>Pomacanthus paru</i> (juvenile)	Pomacanthidae	A
1319b	63c	Queen angelfish, <i>Holacanthus ciliaris</i>	Pomacanthidae	A
1319c	63c	White grunt, <i>Haemulon plumieri</i>	Haemulidae	A
1319d	63c	French angelfish, <i>Pomacanthus paru</i>	Pomacanthidae	A
1319e	63c	Palette surgeonfish, <i>Paracanthurus hepatus</i>	Acanthuridae	A
1319f	63c	Yellow tang, <i>Zebrasoma flavescens</i>	Acanthuridae	A
1319g	63c	French angelfish, <i>Pomacanthus paru</i>	Pomacanthidae	A
1319h	63c	Common squirrelfish, <i>Holocentrus adscensionis</i>	Holocentridae	A
1319i	63c	Jack-knifefish, <i>Equetus lanceolatus</i>	Sciaenidae	A

Geneva (Tubbataha Reef, Philippines)

733a	1.10fr	Harlequin sweetlips, <i>Plectorhinchus chaetodonoides</i>	Haemulidae	A
733b	1.10fr	Melon butterflyfish, <i>Chaetodon trifasciatus</i>	Chaetodontidae	A
		Schooling bannerfish, <i>Heniochus diphreutes</i>	Chaetodontidae	B
733c	1.10fr	Clown triggerfish, <i>Balistoides conspicillum</i>	Balistidae	A
733d	1.10fr	Redtoothed triggerfish, <i>Odonus niger</i>	Balistidae	A
733e	1.10fr	Sixbar angelfish, <i>Pomacanthus sexstriatus</i>	Pomacanthidae	A
733f	1.10fr	Indian Ocean oriental sweetlips, <i>Plectorhinchus vittatus</i>	Haemulidae	A
733g	1.10fr	Japan surgeonfish, <i>Acanthurus japonicus</i>	Acanthuridae	A
733h	1.10fr	Spotted parrotfish, <i>Cetoscarus ocellatus</i>	Scaridae	A
733i	1.10fr	Cuttlefish (head view) NOT A FISH		

Vienna (Great Barrier Reef, Australia)

710a	€1	Saddle butterflyfish, <i>Chaetodon ephippium</i>	Chaetodontidae	A
710b	€1	Fire goby, <i>Nemateleotris magnifica</i>	Microdesmidae	A
710c	€1	Squarespot anthias, <i>Pseudanthias pleurotaenia</i>	Serranidae	A

UNITED NATIONS (continued)

710d	€1	Bird wrasse, <i>Gomphosus varius</i> (partly obscured)	Labridae	A
		Saddle butterflyfish, <i>Chaetodon ephippium</i>	Chaetodontidae	A
710e	€1	Moorish idol, <i>Zanclus cornutus</i>	Zanclidae	A
710f	€1	Pacific double-saddle butterflyfish, <i>Chaetodon ulietensis</i>	Chaetodontidae	A
710g	€1	Bird wrasse, <i>Gomphosus varius</i> (partly obscured)	Labridae	A
		Moorish idol, <i>Zanclus cornutus</i>	Zanclidae	A
710h	€1	Scribbled angelfish, <i>Chaetodontoplus duboulayi</i>	Pomacanthidae	A
710i	€1	Orange clownfish, <i>Amphiprion percula</i>	Pomacentridae	A

UNITED STATES**2023 May 12** (Endangered species) Pane/20

5798c	(63c)	Roanoke logperch, <i>Percina rex</i>	Percidae	A
5798e	(63c)	Candy darter, <i>Etheostoma osburni</i>	Percidae	A

2023 August 10 (Life magnified) Pane/20 S/A

5802m	(66c)	Zebrafish, <i>Danio rerio</i> (x-ray dorsal view, head and part trunk)	Cyprinidae	A
-------	-------	--	------------	---

URUGUAY**2023 March 30** (Biodiversity-Children's collage) Blk/4

2791a	32p	Stylized fish in children's collage of marine life/animals		S
2791c	32p	Stylized fish (closeup from collage in 2791a)		S

WALLIS & FUTUNA ISLANDS**2022 June 6** (Artisanal fishery-Legend of Nefu) MS/2

844	400f	Stylized fish entering hoop net trap		S
844	MS2	Stylized fish (lr)		

**Zoey can't hardly wait for the
next issue of Biophilately!**



She always gets her stamps from

Stamp Smith
Topical Stamps
U.S. and Worldwide Stamps,
Covers and Postcards
We organize by topic!

1212 NE 96th Terrace- Kansas City, MO 64155
Tel: 816.734.4536
Email: smidale@umkc.edu



INVERTEBRATES

Editor

Peter Voice, BU1863



This list compiles every marine invertebrate and select freshwater and terrestrial invertebrates (snails, land crabs, etc.) published in the Linn's Stamp News Updates from the December 2023 to the January 2024 issue.

New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
GREAT BRITAIN				
Isle of Man				
			2022 October 31 (Underwater Photography*)	Set/6
2264	73p	Jewel Anemone, <i>Corynactis viridis</i>	Corallimorphidae	A
2265	£1.04	Queen Scallop (Queenie), <i>Aequipecten opercularis</i>	Pectinidae	A
2266	£1.38	Cushion Starfish, <i>Asterina phylactica</i>	Asterinidae	A
2267	£1.75	Squat Lobster, <i>Galathea squamifera</i>	Galatheidae	A
2268	£2.12	Violet Sea Slug, <i>Edmundsella pedate</i>	Flabellinidae	A
2269	£2.55	Small Spotted Catshark, <i>Scyliorhinus canicular</i>	Scyliorhinidae	A
GRENADA GRENADINES				
			2022 August 29 (Hermit Crabs)	Set/4 + SS
3080a-d	various	Hermit Crabs	Paguroidea	A
3081	\$14	Hermit Crab	Paguroidea	A
TUVALU				
			2022 October 10 (Shells)	Set/6 + SS
1573a	\$1.50	Deer Cowrie Shell, <i>Cypraea vitellus</i>	Cypraeidae	A
1573b	\$1.50	Egg Sea Shells, <i>Ovula ovum</i>	Ovulidae	A
1573c	\$1.50	Episcopal Miter Seashell, <i>Mitra mitra</i>	Mitridae	A
1573d	\$1.50	Orange Lion's Paw, <i>Lyropecten nodosa</i> **	Pectinidae	A
1573e	\$1.50	Polished Ear Shell, <i>Ellobium aurisjudae</i>	Ellobiidae	A
1573f	\$1.50	Syrinx shells, <i>Syrinx aruanus</i>	Turbinellidae	A
1574	\$7	Natural Nautilus, <i>Nautilus pompilius</i>	Nautilidae	A

Notes

*Multiple booklets were issued for 2264-2269 – refer to the Scott Catalog for the variants.

***Lyropecten nodosa* is now referred to *Nodipecten nodosus*.



ENTOMOLOGY

Editors

Don Wright BU 243
and Jose Reis BU 1889



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
AZERBAIJAN				
2023 December 23				
0.3	. 3	Stylized Swallowtail BUTTERFLIES	PAP, Papilioninae	C
2023 December 25 (Surcharge)				
15il on 25il		Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	A
BOSNIA & HERZEGOVINA - Serb Admin. 2023 April 28				
1.95m.		Stylized BUTTERFLY on ground near jumping girl	Lepidoptera	C
2023 December 4				
a, 1.10m.		European rhinoceros beetle, <i>Oryctes nasicornis</i> L. ♂	SCA, Dynastinae	A
b, 1.10m.		Alpine Longhorn, <i>Rosalia alpina</i> L.	CER, Cerambycinae	A
c, 1.10m.		Great Capricorn Beetle, <i>Cerambyx cerdo</i> L.	CER, Cerambycinae	A
d, 1.10m.		Beech Longhorn, <i>Morimus asper funereus</i> Mulsant	CER, Cerambycinae	A
BULGARIA				
2023 June 16 (New data)				
40st		<i>Noctua tertia</i> Mentzer, Moberg & Fibiger	NOC, Noctuinae	A
45st		<i>Rethera komarovi</i> Christoph	SPH, Macroglossinae	A
Margins: 12 BUTTERFLIES			NYM, Heliconiinae	A
55st		<i>Amata marjena</i> Stauder. Syntomis of some	ARC, Ctenuchinae	A
80st		Garden Tiger Moth, <i>Arctia caja</i> L.	ARC, Arctiinae	A
COLOMBIA				
2023 (Orchids)				
1627a	25c	<i>Bombus</i> sp.	API, Apinae	C
1627	\$2	BUTTERFLY	Nymphalidae	B
CURACAO				
2022 July 11 (Goats)				
a, €1		Orange Sulfur, <i>Colias eurytheme</i> Boisduval	PIE, Coliadae	C
EQUATORIAL GUINEA				
2023				
55c		Giant Sirex, <i>Urocerus gigas</i> L.	SIR, Siricinae	B
FINLAND				
2023 January 18 (Close Animal Friends)				
c, 1st		2 kittens & 2 stylized BUTTERFLIES	Lepidoptera	C
2023 September 6 (Posti Art Awards)				
1st		Silver Washed Fritillary <i>Argynnis paphia</i> L.	NYM, Heliconiinae	B
2024 January 17 (Spring Dreams)				
a,c-e, 1st		Stylized BUTTERFLIES. Girls with wings	Lepidoptera	C
Åland				
2024 February 1 (Life stages with all)				
a, €3		Large white, <i>Pieris brassicae</i> L.	PIE, Pierinae	A
b, €3		Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	A
c, €3		Silver-washed Fritillary, <i>Argynnis paphia</i> L.	NYM, Heliconiinae	A
d, €3		Green Hairstreak, <i>Callophrys rubi</i> L.	LYC, Theclinae	A
FRANCE				
2022 (Messages, Bklt of 12)				
d.		MOTH & larva	Lepidoptera	B

FRENCH SOUTHERN & ANTARCTIC TERR. 2024 January 2

€ 2.32 Viette's Crambid, *Crambus viettellus* Bleszynski & Collins CRAM, Crambinae A

GERMANY 2023

38c Stylized yellow BUTTERFLY Pieridae C

GREAT BRITAIN 2023

4396, 4399, 4463 & 4803 INSECTS & BUTTERFLIES Insecta A

ITALY 2023 October 19 (Italian Products)

B rate Western Honeybee, *Apis mellifera* L. API, Apinae B

KOREA, SOUTH 2023 December 22

80w *Gymnopleurus mopsus* Pallas. Fabre & dung beetle SCA, Scarabaeinae B

MARSHALL ISLANDS 2022 December 12

a, \$1.60 Hercules Beetle, *Dynastes hercules* L SCA, Dynastinae A

b, \$1.60 Grenadier, *Agrionoptera insignis* Rambur LIB, Libellulinae A

c, \$1.60 Red-banded Leafhopper, *Graphocephala coccinea* Forster CIC, Cicadellinae A

d, \$1.60 Old World Swallowtail, *Papilio machaon* L. PAP, Papilioninae A

e, \$1.60 Magnificent Ladybird, *Coccinella magnifica* Redtenbacher COC, Coccinellinae A

Margin UR: Stylized BUTTERFLY Lepidoptera Z

1397 \$2 Western Honeybee, *Apis mellifera* L. API, Apinae B

1398 \$2 Cactus or Orchid Mantid, *Hymenopus coronatus* Olivier MAN, Hymenopodinae B

MOLDOVA 2023

3.40L Western Honeybee, *Apis mellifera* L API, Apinae A

ROMANIA 2023 September 6 (Vacaresti Park)

3.50L Common Glider, *Neptis sappho* Pallas NYM, Limenitidinae B

SWEDEN 2023 (Joy of Harvest)

Brev. Red Admiral, *Vanessa atalanta* L. NYM, Nymphalinae A

With stylized BUTTERFLY Lepidoptera C

SWITZERLAND 2021 June 5 (Europa, Endangered Species)

1807 100c Woodland Brown, *Lopinga achine* Scopoli NYM, Satyrinae A

1808 100c Scarce Large Blue, *Maculinea teleius* Bergstrasser LYC, Polyommatae A

YEMEN 1965 (New data)

1/4b Stylized Ladybird Beetles with bird Coccinellidae C



PALEONTOLOGY

Editor

Michael Kogan, BU 1863



New Listings

Official Stamps

MONGOLIA 2023 December 21 (Ice Age Animals) M/S 4
 1500 MNT - *Bison priscus* (Steppe Bison or steppe Wisent)
 1500 MNT - *Mammuthus primigenius* (Woolly Mammoth)
 1500 MNT - *Struthio anderssoni* (East Asian ostrich)
 1500 MNT - *Coelodonta antiquitatis* (Woolly Rhino)

The Mini-Sheet available as imperforate
https://www.paleophilatelie.eu/description/stamps/mongolia_2023.html

PERU 2023 December 12 (Prehistoric Animals: Megalodon)
 S/S 1
 \$7.60 - *Otodus megalodon* (commonly known as Megalodon)



RUSSIA 2023 November 10 (Ancient Fauna) M/S 8

Set of 8 Mini-Sheets, sold in a special folder, with the stamps of

- 2020.06.03 "Paleontologic Heritage of Russia" (https://www.paleophilatelie.eu/description/stamps/russia_2020.html)
- 2023.02.17 "Fauna of Russia. Mammoth fauna"

On February 24th, 2022 Russian army invaded Ukraine territory and currently bombing peaceful cities and killing civilians all over the territory of Ukraine. Please think twice if you want to buy anything from Russia, even some stamps or covers, and indirectly support their aggression against Ukraine, free and independent European country. We call all our readers from around the world to boycott Russia - don't give your money to the country to kill Ukrainian citizens and destroy Ukrainian cities.

---- Stamps of Stamperija ----

Note: Since 2012 the agency issues too many stamps per year on behalf of a dozen of their clients for every possible popular topic, prehistoric animals. In most of the cases these stamps have no relation to the issuing country. Reconstructions of the prehistoric animals are often not accurate. These stamps are not recommended for serious collectors and are undesired at serious philatelic exhibits.

Central African Republic

2023 07 05 “Prehistoric people” M/S 6 (the same design as in 2013)

Guinea

2023 07 05 “165 years since Charles Darwin publishes his theory of evolution” M/S 5

Guinea Bissau

2023 08 11 “Prehistoric reptiles of the oceans” M/S 6

2023 09 05 ”200th anniversary of Alfred Russel Wallace” M/S 5, S/S 1

2023 05 22 “165 years since Charles Darwin publishes his theory of evolution” M/S 5

2023 04 20 “Theory of evolution” M/S 3, S/S 1 x2

Djibouti

2023 08 11 ”200th anniversary of Alfred Russel Wallace” M/S 4, S/S 1

2023 08 01 “165 years since Charles Darwin publishes his theory of evolution” M/S 5

2023 08 01 “Extinct species” M/S 5

Liberia

2023 06 30 “165 years since Charles Darwin publishes his theory of evolution” M/S 5

Niger

2023 04 20 “165 years since Charles Darwin publishes his theory of evolution” M/S 5

Sierra Leone

2023 05 25 “165 years since Charles Darwin publishes his theory of evolution” M/S 5

2023 05 25 “Elephants & Neanderthals” ” M/S 6, S/S 1

2023 05 25 “Prehistoric water animals” M/S 6, S/S 1

In the last 3 months, Stamperija produced relative small number of the “Paleo” stamps.

All “165 years since Charles Darwin publishes his theory of evolution” stamps issued for different countries have the same design:



The countries from left to right: Djibouti, Guinea-Bissau, Guinea, Liberia, Niger, Sierra Leone.

The Mini-Sheet “Prehistoric people” issued for the Central African Republic repeats the same design as from 2013:



Personalized stamps

The Netherlands 2023 06 13 "Prehistoric animals (III)" M/S 5 x3



Mastodon, *Anancus arvernensis* - 3 stamps with reconstruction and 2 stamps with fossils of the animal. Blunt-snouted dolphin, *Platalearostrum hoekmani* - 3 stamps with reconstruction and 2 stamps with fossils of the animal. Giant Auk, *Pinguinus impennis* - 3 stamps with reconstruction and 2 stamps with fossils of the animal. Value indication 1 for mail up to and including 20gr. a destination within the Netherlands.

More details: https://www.paleophilatelie.eu/description/stamps/personalized/netherlands_2023_3.html - still under construction

Czech Republic, 2023 "Theropod Dinosaurs"

The booklet was issued on the occasion of the 70th birthday of Czech paleoartist Jan Sovák.

The postmark, issued by the Fauna-Flora Philatelic Society, shows his signature in the middle and the title of the stamps issue on the top. Jan Sovák (born February 13, 1953) is a Czech paleoartist and renowned painter currently living in Canada (since 1982). He has done many paintings for various scientists including paleontologist Phil Currie. Many of his paintings depict dinosaurs and other popular primeval organisms.



His work has been published in over 170 books in more than fifteen languages. More than 40 museums around the world house examples of his art on prehistoric animals, and his illustrations also have appeared on educational television in twelve films on Discovery Channel Worldwide.

Note: Several booklets of 8 self-adhesive stamps each, were issued this year by the Fauna-Flora Philatelic Society of the Czech Philatelists Association. The face value "B" corresponded to the rate of small domestic letter and was equivalent to 27 CZK or €1.10 in 2023. Since 2019 the Society has produced many philatelic materials of all kinds of "Flora and Fauna" topics, both modern and prehistoric. The Society is led by Mr. Vaclav Fiala, who sells their philatelic productions on the internet, for a very expensive price. The package of a booklet, FDC and Maxi Cards cost more than €300-€350 on average.

Other stamps to consider

Argentina 2023 (exact date is unknown) "National Parks"

During 2023 Argentina issued several stamps depicting National Parks of the country. At least one of them shows a landscape of fossils site - Bosques Petrificados de Jaramillo National Park.



The Jaramillo Petrified Forest National Park is a protected area of petrified forest located in the Deseado Department, in the northeast of Santa Cruz Province, Argentina. Formerly part of the site was a natural monument, established in 1954 and known as the Petrified Forest Natural Monument, covering about 13,700 hectares (34,000 acres). This area has remnants of a forest preserved in stone, that had been growing on the site before the upthrust of the Andes some 150 million years ago. In December 2012, further land was added and the protected area was reclassified as a national park with a total area of 78,543 hectares (194,080 acres).



Russia 2023.05.15 "300th Anniversary of Perm city"

RUB 25 – view of Perm city

Lore Museum of Perm city shown on the left side of the stamp. The museum has several branches distributed all over the city. One of them is "Museum of Perm Antiquities" which contains a rich collection of fossils collected in the region. These fossils are of different ages from Permian reptiles to Pleistocene mammals, including "Permian Mammoth"

Russia 2023.05.15 " 300th Anniversary of Perm city", Surcharged Souvenir-Sheet "Coats of arms of subjects and cities of the Russian Federation. Perm region" S/S 1

RUB 50 – Coat of Arm of Perm city. The Perm region highlighted on the map of Russia on the margin. Perm (Russian: Пермь), previously known as Yagoshikha (Ягошиха) (1723–1781), and Molotov (Молотов) (1940–1957), is the largest city and the administrative centre of Perm Krai (region), Russia. The city is located on the banks of the Kama River, near the Ural Mountains, and has a population of over one million residents.

In 1723, a copper-smelting work was founded in the village of Yagoshikha. In 1781 the settlement of Yagoshikha became the town of Perm. Perm's position on the navigable Kama River, leading to the Volga, and on the Siberian Route across the Ural Mountains, helped it become an important trade and manufacturing center.

The geologic period of the Permian, last period the Paleozoic Era, takes its name from the region name. The Permian Period derives its name from the Russian region of Perm, where rocks deposited during this time are particularly well developed.

The Permian Period began 298.9 million years ago and ended 252.2 million years ago, extending from the close of the Carboniferous Period to the outset of the Triassic Period.

The concept of the Permian was introduced in 1841 by geologist Sir Roderick Impey Murchison, who named it after the region.

Murchison (1792-1871), was Scottish geologist, who served as director-general of the British Geological Survey from 1855 until his death in 1871. He is noted for investigating and describing the Silurian, Devonian and Permian systems.

Based on explorations in Perm Krai undertaken with Edouard de Verneuil, Murchison gave to the last period of the Paleozoic Era the name of Permian.

Serbia 2023.11.21 - "100 years of the Milankovich calendar" S/S 1

RSD 120 - Astronomer: Milutin Milankovich

Beside the calendar, Milankovitch showed how the Earth's surface temperature was sensitive to changes in the Earth's orbit and tied it to several orbital parameters - the tilt of the Earth's axis, the eccentricity of the Earth's orbit, and the precession of the Earth's axis. Each of these three parameters change over set frequencies - and geologists have used his model to look at paleoclimate through time.

https://www.paleophilatelie.eu/description/stamps/others/serbia_2023.html

Postmarks

China 2023.11.15 “*Chungkingosaurus jiangbeiensis*”

Chungkingosaurus, meaning "Chongqing Lizard", is a genus of herbivorous dinosaur from the Late Jurassic Upper Shaximiao Formation in what is now China. It is a member of the Stegosauria.



Future issues

- 24.02.2024 Romania - "Extinct Species" (perhaps, some prehistoric animals will be included)
- 12.03.2024 United Kingdom - "The Age of Dinosaurs"
- 19.03.2024 Netherlands - "Prehistoric animals (IV)" - large fin whale, giant beaver and steppe whale.
- 06.05.2024 Moldova - "National Museum of Ethnography and Natural History" - fossils of the cave bear (*Ursus spelaeus*)
- 21.06.2024 France - "50 years - Discovery of Lucy" - the Lucy or Dink'inesh, is a collection of several hundred pieces of fossilized bone comprising 40 percent of the skeleton of a female of the hominin species *Australopithecus afarensis*. It was discovered in 1974 in Ethiopia.
- 16.09.2024 Poland - "Dinosaurs" - set of 3 stamps
- ???.???.2024 France - "The Chauvet cave - Ardèche".

The decorated cave of Pont d'Arc, Chauvet-Pont d'Arc cave or simply Chauvet a cave, discovered in 1994, is a Paleolithic decorated cave located in the territory of the commune of Vallon-Pont-d'Arc (southern Ardèche, France).

- Q4 2024 Peru - "Fossils of Peru: *Perucetus colossus*"
- tentative: Kyrgyzstan - "Prehistoric animals of Kyrgyzstan", set of 3 stamps.

This set was planned for 2022, but postponed.

- tentative: Ethiopia - "50 years - Discovery of Lucy"
- ?.2025 Germany - "National Archaeological Finds: UNESCO World Heritage: Caves and Ice Age Art of the Swabian Alb".

One stamp will be released in the multi-year set "UNESCO World Heritage".

Perhaps there will be a cave painting of prehistoric animals or art objects depicting prehistoric man or prehistoric animals depicted on the stamp.

Notes:

[*1] Flying dinosaurs is wrong 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 Associated Editor Mr. Michael Kogan admin@paleophilatelie.eu or per post to the magazine, address is on 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/2023.html>



<https://www.paleophilatelie.eu> is 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>

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/>

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

<https://entomologytoday.org/>

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

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

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

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

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

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

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

HERPETOLOGY:

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

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

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

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

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

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:

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

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

PALEONTOLOGY:

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

Acronyms and Abbreviations:

AAPE	American Association of Philatelic Exhibitors	ovpt	overprinted
anniv	anniversary	perf	perforated
APC	American Philatelic Center (Bellefonte, PA)	photo	photogravure
APS	American Philatelic Society	ptg	painting or artwork
ATA	American Topical Association	R	right position indicator
bkl	booklet	s/a	self-adhesive
Cap	captioned	Sc#	Scott Catalogue number
CTO	canceled to order	s-o-s	stamp on stamp
CTR	center position indicator	sp.	species
DS	deluxe sheet	SS	souvenir sheet
Ed.	Editor	ssp.	sub-species
Expo	Exposition	s/t	se-tenant
horiz	horizontal orientation	surch	surcharged
imperf	imperforate	UL	upper left position indicator
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	ASC Ascalaphidae	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	COSS Cossidae	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
HEM Hemerobiidae	HES Hesperidae	HYM Hymenopodidae
ICH Ichneumonidae	LAM Lampyridae	LAS Lasiocampidae
LIB Libellulidae	LIM Limacodidae	LUC Lucanidae
LYC Lycaenidae	LYG Lygaeidae	LYM Lymantriidae
MAN Mantidae	MAS Masaridae	MEG Megachilidae
MELI Melittidae	MEL Meloidae	MELT Melittidae
MEM Membracidae	MIR Miridae	MUS Muscidae
MYR Myrmeleontidae	NOC Noctuidae	NOL Nolidae
NOT Notodontidae	NYM Nymphalidae	OEC Oecophoridae
PAN Panorpidae	PAP Papilionidae	PAS Passalidae
PEN Pentatomidae	PHA Phasmatidae	PHR Phryganeidae
PHY Phylliidae	PIE Pieridae	PLU Plutellidae
POM Pompilidae	PSY Psychodidae	PTE Pterophoridae
PYR Pyralidae	PYRG Pyrgomorphidae	RAP Rhabdophoridae
RAPH Raphidiidae	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

BIOLOGY UNIT of the AMERICAN TOPICAL ASSOCIATION

MEMBERSHIP RENEWAL

A reply is requested from all members, including Life Members , so we can update your permissions.

Please consider including a donation with your submission. These are tax-deductible for our U.S. members and help fund our Unit exhibiting awards and other worthy activities.

DUES for year(s): _____

Electronic via Web Site _____ yrs @ \$20.00
Donation
Total _____

Make check payable to:
Biology Unit of ATA
(Canadian members please see note below).

Mail remittance to:
Chris Dahle
1401 Linmar Dr. NE
Cedar Rapids, IA 52402

Name: _____

Address: _____

City/State/Zip: _____

Country: _____

E-mail: _____

I give permission to have above addresses published in the Biology Unit membership listing that will be in an edition of *Biophilately*:

Mailing: Yes _____ No _____

E-mail: Yes _____ No _____

Do you belong to ATA: Yes _____ No _____ ATA No: _____

Collecting interests _____

We can offer payment by Master Card or Visa (send information to us) or you can use PayPal to **dues@biophilately.org**, or directly to the ATA office.

Credit card: Master Card _____ Visa _____

Card No: _____ Exp: _____ CVC
code: _____

Canadian members please note: It costs us \$20 to cash a cheque drawn on a Canadian bank. Please remit funds drawn on a U.S. bank, or use a credit card or PayPal.