



ENTOMOLOGY

Editor

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and José Reis



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ARUBA 2015 July 30 (Butterflies) (Block of 10)				
a	220c	Pale Clouded Yellow, <i>Colias hyale</i> L.	PIE, Coliadinae	A*
b	220c	Marbled Skipper, <i>Carcharodus lavatherae</i> Esper	HES, Pyrginae	A*
c	220c	Orange Tip, <i>Anthocharis cardamines</i> L.	PIE, Pierinae	A*
d	220c	Tufted Skipper, <i>Carcharodus flocciferus</i> Zeller	HES, Pyrginae	A*
e	220c	Clouded Yellow, <i>Colias palaeno</i> L.	PIE, Coliadinae	A*
f	220c	Eastern Dappled White, <i>Euchloe ausonia</i> Hübner	PIE, Pierinae	A*
g	220c	The Cleopatra, <i>Gonepteryx cleopatra</i> L.	PIE, Coliadinae	A*
h	220c	Large Checkered Skipper, <i>Heteropterus morpheus</i> Pallas	HES, Heteropterinae	A*
i	220c	Large Skipper, <i>Ochlodes venata</i> Bremer & Grey	HES, Hesperinae	A*
j	220c	Grizzled Skipper, <i>Pyrgus malvae</i> L. (Cap: <i>P. fritillaries</i>)	HES, Pyrginae	A*
BOLIVIA 2015 May 16 (Endangered Animals) (Set of 4)				
	9b	Satanas Beetle, <i>Dynastes satanas</i> Moser ♂	SCA, Dynastinae	A*
BRAZIL 2015 May 22 (Stingless Bees) (MS of 6)				
a	2.50r	<i>Melipona quinquefasciata</i> Lepeletier	API, Apinae	A*
b	2.50r	<i>Melipona rufiventris</i> Lepeletier	API, Apinae	A*
c	2.50r	<i>Melipona subnitida</i> Ducke	API, Apinae	A*
d	2.50r	<i>Nannotrigona testaceicornis</i> Lepeletier	API, Apinae	A*
e	2.50r	<i>Paratrigona lineata</i> Lepeletier	API, Apinae	A*
f	2.50r	<i>Plebeia flavocincta</i> Cockerell	API, Apinae	A*
DJIBOUTI 2013 (Stamperija) (New data) (MS of 2)				
	2×350fr	<i>Telipna erica</i> Suffert (UL margin)	LYC, Poritiinae	Z
DOMINICAN REPUBLIC 2014 November 20 (Additional data) (MS of 12)				
1565a	25p	Florida Leafwing, <i>Anaea troglodyta</i> Fabr.	NYM, Charaxinae	A*
1565b	25p	Godart's Peacock, <i>Anartia lytrea</i> Godart	NYM, Nymphalinae	A*
1565c	25p	Stillman's Skipper, <i>Burca stillmani</i> Bell & Comstock	HES, Pyrginae	A*
2015 May 25 (National Parks) (MS of 12)				
g	20p	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
ECUADOR 2015 May 28 (Membracids of Ecuador) (Bklt pane 8 & Strip of 5)				
a	25c	<i>Antianthe expansa</i> Germar	MEM, Smiliinae	A*
b	25c	<i>Heteronotus abbreviatus</i> Fairmaire	MEM, Heteronotinae	A*
c	50c	Ant-Mimicking Treehopper, <i>Cyphonia clavata</i> Fabr.	MEM, Smiliinae	A*
d	50c	Guayaquilan Treehopper, <i>Guayaquila gracilicornis</i> Stål	MEM, Membracinae	A*
e	75c	<i>Stegaspis fronditia</i> L.	MEM, Stegaspinae	A*
f	75c	<i>Thuris depressus</i> Sakakibara	MEM, Smiliinae	A*
g	\$1	<i>Tritopidia galeata</i> Olivier	MEM, Membracinae	A*
h	\$1	Mexican Treehopper, <i>Membracis mexicana</i> Guérin-Ménéville	MEM, Membracinae	A*

ECUADOR (continued)

a	\$3	<i>Alchisme grossa</i> Fairmaire	MEM, Membracinae	A*
b	\$3	<i>Membracis foliata</i> L.	MEM, Membracinae	A*
c	\$3	<i>Cladnota apicalis</i>	MEM, Membracinae	A*
d	\$3	<i>Cyphonia trifida</i> Fabr.	MEM, Smiliinae	A*
e	\$3	<i>Adippe histrio</i> Walker	MEM, Smiliinae	A*

FINLAND**2015 May 9** (Summer Feelings) (MS of 5)

a	(€1.10)	LADYBUG riding on a strawberry ANT carrying a strawberry	Coccinellidae Formicidae	S S
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GEORGIA**2013** (New data)

a	2g	<i>Pierella nereis</i> Drury	NYM, Satyrinae	A
b	2g	UL: Blue Morpho, <i>Morpho rhetenor</i> Cramer UR: Like a, but green! MR: Australian Fritillary, <i>Argyreus hyperbius</i> L. ♀	NYM, Morphinae NYM, Satyrinae NYM, Heliconiinae	B S B
c	2g	Broad Blue-banded S'tail, <i>Papilio chrapkowskoides</i> Storace	PAP, Papilioninae	A
d	2g	Like a, but purple!	NYM, Satyrinae	S

GREAT BRITAIN**2015 August 18** (Bees) (Set of 6 & SS of 4)

	(54p)	Scabious Bee, <i>Andrena hattorfiana</i> Fabr.	AND, Andreninae	A*
	(63p)	Great Yellow Bumblebee, <i>Bombus distinguendus</i> Morawitz	API, Apinae	A*
	£1	Northern Colletes Bee, <i>Colletes floralis</i> Eversmann	Colletidae, Colletinae	A*
	£1.33	Bilberry or Mountain Bumblebee, <i>Bombus monticola</i> Smith	API, Apinae	A*
	£1.52	Large or Cliff Mason Bee, <i>Osmia xanthomelana</i> Kirby	MEGA, Megachilinae	A*
	£2.25	Potter Flower Bee, <i>Anthophora retusa</i> L. Bklt pane 6 (2ea Great Yellow Bumblebee + 4ea Machin)	API, Apinae	A*
a	(63p)	Western Honeybee, <i>Apis mellifera</i> L. (doing waggle dance)	API, Apinae	G
b	(63p)	Same (pollination)		G
c	£1.33	Same (making honey)		G
d	£1.33	Same (tending young)		G

INDIA**2015 January 30** (Campaign to Clean India) (SS of 3)

2718a	Margin	LL: Stylized Butterfly in child's drawing		S
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KENYA**2011 November 16** (New data) (MS of 25)

854b	65sh	Spotted Cockroach, <i>Cartoblatta pulcra</i> Shelford (nymphs)	BLA, Blattinae	A*
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NEW CALEDONIA**2014 November 6** (Single issue)

1186	180fr	Caledonian Blue Swallowtail, <i>Papilio montrouzieri</i> Boisduval	PAP, Papilioninae	A*
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PERU**2015** (Peruvian Amazon)

	8s	Margin: Four silhouettes of Swallowtail butterflies	PAP, Papilioninae	S
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PORTUGAL (Madeira)**2014 January 27** (Types of 2009–13) (Set of 5)

320	E (70c)	Western Honeybee, <i>Apis mellifera</i> L. (like Sc#311, s/a)	API, Apinae	A*
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ST. KITTS**2014 August 18** (Human Rights Sensitization Project) (Set of 4)

[Note: Scott Catalogue lists this denomination as \$50.]

879	50c	Stylized Butterfly (child's drawing by Shernel Evans)	Lepidoptera	S
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SWEDEN**201 March 26** (Honeybees) (Coil pair, Vert strip of 5, & Bklt of 10)

2744a	(6.50k)	Western Honeybee, <i>Apis mellifera</i> L. (field of flowers)	API, Apinae	B
2744b	(6.50k)	Same (hives in orchard)	API, Apinae	B
2745a–e	(7k)	Same (bees gathering nectar/pollen)	API, Apinae	B

THAILAND**2014 November 14** (New Year: Flowers) (Set of 5)

3b Stylized butterflies with girl dressed as flower (UL & MR) Lepidoptera S

TURKEY**2015 July 9** (Park & Conservation Areas) (SS of 1)

There are other partial images in the margin that may be insects

1.25L	Silver-washed Fritillary, <i>Argynnis paphia</i> L.	NYM, Heliconiinae	B*
	Small Tortoiseshell, <i>Nymphalis urticae</i> L. (LL & margin)	NYM, Nymphalinae	B*
Margin	UL: Alpine Longhorn Beetle, <i>Rosalia alpina</i> L.	CER, Cerambycinae	Z
	Bot: Clown-faced Bug, <i>Pyrrhocoris apterus</i> L.	Pyrrhocoridae	Z
	LR: Beautiful Demoiselle, <i>Calopteryx virgo</i> L.	CAL, Calopteryginae	Z

TURKISH REP. N. CYPRUS**2014 July 4** (Sc#452 surch)

786	30k L: Banded Demoiselle, <i>Calopteryx splendens</i> Harris	CAL, Calopteryginae	B
	R: 7-spotted Lady Bird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	B

UNITED STATES**2015 June 1**4999 (71c) Eastern Tiger Swallowtail, *Papilio glaucus* L. ♀ PAP, Papilioninae A***2015 July 31**UX (35c) Stylized Western Honeybee, *Apis mellifera* L. API, Apinae

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Beyond the Catalog

The following listings are for issues from Stamperija, Ltd. and others, who are allowed by the countries listed to print and sell stamps directly to the public. Most of these items never reach the postal authorities of the countries concerned and will not be listed in most catalogs, although some catalogs do list them occasionally. I list them for those who may be interested in them, or for those who want to know if the philatelic community accepts them as valid postage stamps.

CENTRAL AFRICAN REPUBLIC 2015 June 25 (Stamperija) (2ea MS of 4 & 2ea SS of 1)

a	750fr	Chinese Lanternfly, <i>Pyrops candelaria</i> L.	FUL, Fulgorinae	A*
b	750fr	Forest Bug, <i>Pentatoma rufipes</i> L.	PEN, Pentatominae	A*
c	750fr	European Hornet, <i>Vespa crabro</i> L.	VES, Vespinae	A*
d	750fr	Aak Grasshopper, <i>Poekilocerus pictus</i> Fabr.	PYRG, Pyrgomorphinae	A*
	SS 2650fr	African Eyed Mantid, <i>Pseudocreobotra wahlbergi</i> Stål	HYM, Hymenopodinae	A*
	Margin	UL: Velvet Longhorn Beetle, <i>Trichoferus campestris</i> Faldermann	CER, Cerambycinae	Z*
		UL: Common Darter, <i>Sympetrum striolatum</i> Charpentier	LIB, Sympetrinae	Z
		ML: 7-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	Z
		LL: Aak Grasshopper, <i>Poekilocerus pictus</i> Fabr.	PYRG, Pyrgomorphinae	Z
		Ctr: Centaurus Beetle, <i>Augosoma centaurus</i> Fabr.	SCA, Dynastinae	Z
		Bot: Musk Beetle, <i>Aromia moschata</i> L.	CER, Cerambycinae	Z
a	900fr	Banded Orange Heliconiian, <i>Dryadula phaetusa</i> L.	NYM, Heliconiinae	A*
b	900fr	Small Blue Grecian, <i>Heliconius sara</i> Fabr.	NYM, Heliconiinae	A*
c	900fr	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
d	900fr	Malabar Tree Nymph, <i>Idea malabarica</i> Moore	NYM, Danainae	A*
	SS 3000fr	L: Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
		R: Red Rim, <i>Cethosia biblis</i> Drury	NYM, Heliconiinae	A*
	Margin	Tailed Jay or Green-Spotted Triangle, <i>Graphium agamemnon</i> L.	PAP, Papilioninae	Z*

GUINEA**2015 March 20** (Fight Against Malaria) (Stamperija) (SS of 1)

SS 40000fr	<i>Anopheles gambiae</i> Giles & Dr. Ronald Ross	CUL, Anophelinae	B*
Margin	LR: Sampling water for <i>Anopheles gambiae</i> larvae	CUL, Anophelinae	R

GUINEA-BISSAU		2015 May 26 (Butterflies) (Stamperija) (2ea MS of 4 & SS of 1)	
a	900fr	Victoria's Birdwing, <i>Troides victoriae</i> Gray	PAP, Papilioninae A
b	900fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae A
c	900fr	Marsh Fritillary, <i>Euphydryas aurinia</i> Rottemburg	NYM, Nymphalinae A
d	900fr	Monarch, <i>Danaus plexippus</i> L. ♀	NYM, Danainae A
a	900fr	Helena Morpho, <i>Morpho rhetenor helena</i> Staudinger	NYM, Morphinae A*
b	900fr	Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae A*
c	900fr	Old World Swallowtail, <i>Papilio machaon</i> L. ♀	PAP, Papilioninae A*
d	900fr	Bhutan Glory, <i>Bhutanitis lidderdalii</i> Atkinson	PAP, Parnassiinae A*
SS 2200fr		Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae A*
Margin		ML: Common Morpho, <i>Morpho helenor peleides</i> Kollar	NYM, Morphinae Z*
		LL: Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L. ♀	PAP, Papilioninae Z*
		UR: Christmas Butterfly, <i>Papilio demodocus</i> Esper (chrysalis)	PAP, Papilioninae Z*
		LR: Arctic Fritillary, <i>Clossiana chariclea</i> Schneider	NYM, Heliconiinae Z*
MADAGASCAR		2015 (Bees) (Stamperija) (MS of 4 & SS of 1)	
a	2100m	Blue-Banded Bee, <i>Amegilla cingulata</i> Fabr.	API, Apinae A*
b	2100m	<i>Anthophora affabilis</i> Cresson	API, Apinae A*
c	2100m	Maine Blueberry Bee, <i>Osmia atriventris</i> Cresson	MEGA, Megachilinae A*
d	2100m	<i>Ceratina smaragdula</i> Fabr.	API, Xylocopinae A*
Margin		UL & UR: 3 very Stylized BEES	S Z
		LR: U/I BEE	Apidae U Z
SS 7500m		Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae A*
Margin		6 very Stylized BEES & stylized honeycomb	S Z
		Ctr: U/I BEE	Apidae U Z
		2015 (Dragonflies & Damselfly) (Stamperija) (MS of 4 & SS of 1)	
a	2100m	Banded Demoiselle, <i>Calopteryx splendens</i> Harris	CAL, Calopteryginae A*
b	2100m	Orange-Winged Dropwing, <i>Trithemis kirbyi</i> Selys	LIB, Trithemistinae A*
c	2100m	Okinawan Dragonfly, <i>Rhyothemis variegata</i> L.	LIB, Trameinae A*
d	2100m	12-Spotted or 10-Spot Dragonfly, <i>Libellula pulchella</i> Drury	LIB, Libellulinae A*
Margin		UL & UR: Silhouettes of DRAGONFLY	Libellulidae S Z
SS 7500m		Halloween Pennant Dragonfly, <i>Celithemis eponina</i> Drury	LIB, Leucorrhininae A*
Margin		UL & UR: Silhouettes of DRAGONFLY	Libellulidae S Z
MALDIVE ISLANDS		2015 January 28 (Fauna of Indian Subcontinent) (MS of 4 & SS of 1)	
a	22r	Crimson Rose, <i>Atrophaneura hector</i> L.	PAP, Papilioninae A*
b	22r	Southern Birdwing, <i>Troides minos</i> Cramer	PAP, Papilioninae A*
c	22r	Common Mime, <i>Papilio clytia</i> L.	PAP, Papilioninae A*
d	22r	Blue Mormon, <i>Papilio polymnestor</i> Cramer	PAP, Papilioninae A*
Margin		Ctr: Common Mime, <i>Papilio clytia</i> L.	PAP, Papilioninae Z*
		UL & UR: Very stylized SWALLOWTAILS	PAP, Papilioninae S Z
SS 70r		Tawny Mime, <i>Papilio agestor</i> Gray	PAP, Papilioninae A*
Margin		L: Blue Peacock, <i>Papilio arcturus</i> Westwood	PAP, Papilioninae Z*
		R: Southern Birdwing, <i>Troides minos</i> Cramer	PAP, Papilioninae Z*
		UL & UR: Very stylized SWALLOWTAILS	PAP, Papilioninae S Z
		2015 May 25 (Stamperija)	
a	20r	Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae B*
b	20r	Blue Emperor Swallowtail, <i>Papilio ulysses</i> L.	PAP, Papilioninae B*
c	20r	Ajax or Zebra Swallowtail, <i>Protographium marcellus</i> Cramer	PAP, Papilioninae B*
d	20r	Question Mark, <i>Nymphalis interrogationis</i> Fabr.	NYM, Nymphalinae B*
Margin		Ctr: Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae Z*

MALDIVE ISLANDS (continued)

SS 60r	Goliath Birdwing, <i>Troides goliath</i> Oberthür	PAP, Papilioninae	B*
Margin	L: Blue Pansy, <i>Junonia orithya</i> L.	NYM, Nymphalinae	Z*
	R: Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	Z*

MOZAMBIQUE**2015 April 15** (Butterflies) (Stamperija) (MS of 4 & SS of 1)

a	66m	Old World Swallowtail, <i>Papilio machaon</i> L. ♀	PAP, Papilioninae	A*
b	66m	Rajah Brooke's Birdwing, <i>Troides brookiana</i> Wallace	PAP, Papilioninae	A*
c	66m	Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	A*
d	66m	Bhutan Glory, <i>Bhutanitis lidderdalii</i> Atkinson	PAP, Parnassiinae	A*
SS 175m		Australian Painted Lady, <i>Vanessa kershawi</i> McCoy	NYM, Nymphalinae	A*
Margin		UR & LR: Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	Z*

2015 April 15 (Orchids) (Stamperija) (SS of 1)

Margin	LL: Cabbage White, <i>Pieris rapae</i> L.	PIE, Pierinae	Z
	UR: U/I BUTTERFLY	Lepidoptera	U Z

NAMIBIA**2015 May 15** (Bee-Eater Birds) (Stamperija) (Set of 5)

n/d	BEE in bird's beak	API, Apinae	C
\$5.70	Bird chasing BEE	API, Apinae	C

NIGER**2015 April 20** (Mushrooms & Insects) (Stamperija) (MS 4) (New data)

a	825fr	<i>Anthidium florentinum</i> Fabr.	MEGA, Megachilinae	B*
b	825fr	Red-Spot Jezebel, <i>Delias descombesi</i> Boisduval	PIE, Pierinae	B*
c	825fr	European Stag Beetle, <i>Lucanus cervus</i> L.	LUC, Lucaninae	B*
d	825fr	Butterfly Dragonfly, <i>Rhyothemis fuliginosa</i> Selys	LIB, Trameinae	B*

2015 April 20 (Bees) (Stamperija) (MS of 4) (New data)

a	825fr	<i>Apis breviligula</i> Maa (ssp. of <i>A. dorsata</i> of some)	API, Apinae	A*
b	825fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A*
c	825fr	<i>Apis breviligula</i> Maa (ssp. of <i>A. dorsata</i> of some)	API, Apinae	A*
d	825fr	<i>Anthidium florentinum</i> Fabr.	EGA, Megachilinae	A*

2015 April 20 (Hummingbirds) (Stamperija) (MS of 4) (New data)

Margin	Bot: Red Pierrot, <i>Talicauda nyseus</i> Guérin-Ménéville	LYC, Polyommatae	Z*
	LR: Cabbage White, <i>Pieris rapae</i> L.	PIE, Pierinae	Z*

2015 July 20 (Butterflies of Singapore) (Stamperija) (MS 3 & SS of 1)

a	700fr	Giant Orange Tip, <i>Hebomoia glaucippe</i> L.	PIE, Pierinae	A*
b	700fr	Five-Bar Swordtail, <i>Graphium antiphates</i> Cramer	PAP, Papilioninae	A*
c	700fr	Blue Pansy, <i>Junonia orithya wallacei</i> Distant	NYM, Nymphalinae	A*
		MS in shape of: Autumn Leaf, <i>Doleschallia bisaltide</i> Cramer	NYM, Nymphalinae	Z*
SS 2000fr		Blue Nawab, <i>Polyura schreiber tisamenus</i> Fruhstorfer	NYM, Charaxinae	A*
		SS in shape of: Blue Pansy, <i>Junonia orithya wallacei</i> Distant	NYM, Nymphalinae	Z*

2015 July 20 (Fight Against Malaria) (Stamperija) (MS of 3 & SS of 1)

c	1100fr	<i>Anopheles gambiae</i> Giles	CUL, Anophelinae	C
Margin		UR: <i>Anopheles gambiae</i> Giles	CUL, Anophelinae	Z
SS 3000fr		Same (with bed net keeping mosquito from biting sleeping people)		C
Margin		R: Same (swarm of mosquitoes)		Z

ST. THOMAS & PRINCE ISLANDS **2015 May 21** (Butterflies) (Stamperija) (MS of 4 & SS of 1)

a	19000d	Mexican Bluewing, <i>Myscelia ethusa</i> Boisduval	NYM, Biblidinae	A*
b	19000d	Mimic, <i>Hypolimnas misippus</i> L. ♂	NYM, Nymphalinae	A*
c	19000d	Peacock Pansy, <i>Junonia almana</i> L.	NYM, Nymphalinae	A*
d	19000d	Tailed Jay, <i>Graphium agamemnon</i> L.	PAP, Papilioninae	A*
Margin		LL: Atlas Moth, <i>Attacus atlas</i> L.	SAT, Saturniinae	Z*

ST. THOMAS & PRINCE ISLANDS (continued)

	SS 86000d	Ricini Longwing, <i>Heliconius ricini</i> L.	NYM, Heliconiinae	A*
	Margin	LL: Gold-Banded Forester, <i>Euphaedra neophron</i> Hopffer	NYM, Limenitidinae	Z*
		UR: Mimic, <i>Hypolimnas misippus</i> L. ♀	NYM, Nymphalinae	Z*
		LR: Orange Migrant, <i>Catopsilia scylla</i> L.	PIE, Coliadinae	Z*
2015 May 21 (Carnivorous Plants & Victims) (MS of 4 & SS of 1)				
a	19000d	Monarch, <i>Danaus plexippus</i> L. ♂	NYM, Danainae	B*
b	19000d	Great Blue Skimmer, <i>Libellula vibrans</i> Fabr.	LIB, Libellulinae	B*
d	19000d	Golden-Backed Snipe Fly, <i>Chrysopilus thoracicus</i> Fabr.	Rhagionidae, Rhagioninae	B*
	Margin	LR: 3 ANTS	Formicidae	U Z
	SS 86000d	Leprieur's Glory, <i>Asterope leprieuri</i> Feisthamel	NYM, Biblidinae	B*
	Margin	UL: Queensland Fruitfly, <i>Bactrocera tryoni</i> Froggatt	TEP, Dacinae	Z*
		Bot: Conjoined-Spot Monkey-Grasshopper, <i>Erianthus serratus</i> Ingrisch & Willemse ♂	Chorotypidae, Erianthinae	Z*
		UR: Jurgensen's Swordtail, <i>Ancyluris jurgensenii atahualpa</i> Saunders ♂	RIO, Riodininae	Z*

SIERRA LEONE

2015 May 22 (Butterflies) (Stamperija) (MS of 6 & 2ea SS of 1)				
a	4300le	Forest Glade Nymph, <i>Aterica galene</i> Brown ♂	NYM, Limenitidinae	A*
b	4300le	Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	A*
c	4300le	Small Orange Acraea, <i>Acraea eponina</i> Cramer	NYM, Heliconiinae	A*
d	4300le	Mafa Grizzled Skipper, <i>Spialia mafa</i> Trimen	HES, Pyrginae	A*
e	4300le	Orange Admiral, <i>Antanartia delias</i> Drury	NYM, Charaxinae	A*
f	4300le	Giant Blue Swallowtail, <i>Papilio zalmoxis</i> Hewitson	PAP, Papilioninae	A*
	Margin	UL: Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	Z*
		LL: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z*
		Top: Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	Z*
	SS 10000le	Old World Swallowtail, <i>Papilio machaon</i> L. ♀	PAP, Papilioninae	A*
	Margin	UR: Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	Z*
		MR: Forest Glade Nymph, <i>Aterica galene</i> Brown ♂	NYM, Limenitidinae	Z*
		Ctr: Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	Z*
	SS 14000le	Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	A*
	Margin	UR: Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	Z*
		MR: Forest Glade Nymph, <i>Aterica galene</i> Brown ♂	NYM, Limenitidinae	Z*
		Ctr: Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	Z*

Variouly two or three of the above appear in the margins of MS of 6 and SS of 1 of chimpanzees, cuckoos, dinosaurs, dolphins, elephants, leopards, western gorillas, pythons, and turtles, all issued on the above date.

SOLOMON ISLANDS

2015 May 24 (Singapore 2015 Stamp Exhibition) (Stamperija) (MS of 4)				
d	\$5	Blue Spotted Crow, <i>Euploea midamus singapura</i> Moore	NYM, Danainae	B*

TOGO

2015 April 22 (Boy Scouts) (Stamperija) (SS of 1)				
	SS 2500fr	Orange Tip, <i>Anthocharis cardamines</i> L. (with Boy Scout)	PIE, Pierinae	B*

2015 April 22 (Taipei 2015, Butterflies of Taiwan) (MS of 3 & SS of 1)				
a	750fr	<i>Atrophaneura polyeuctes termessus</i> Fruhstorfer ♀	PAP, Papilioninae	A*
b	750fr	Lime Butterfly, <i>Papilio demoleus</i> L.	PAP, Papilioninae	A*
c	750fr	Redbase Jezebel, <i>Delias pasithoe</i> L.	PIE, Pierinae	A*
		MS in shape of: <i>Penthema formosanum</i> Rothschild	NYM, Satyrinae	Z*
	SS 2000fr	Golden Birdwing, <i>Troides aeacus</i> C.& R. Felder	PAP, Papilioninae	A*
		SS in shape of: Orange Oakleaf, <i>Kallima inachus</i> Boisduval	NYM, Nymphalinae	Z*

TOGO (continued)**2015 June 1** (Butterflies) Stamperija) (MS of 4 & SS of 1)

a	750fr	Tiger Longwing, <i>Heliconius hecale</i> Fabr.	NYM, Heliconiinae	A*
b	750fr	Banded Peacock, <i>Papilio palinurus</i> Fabr.	PAP, Papilioninae	A*
c	750fr	Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	A*
d	750fr	Black or Mamba Swordtail, <i>Graphium colonna</i> Ward	PAP, Papilioninae	A*
	Margin	R: Red-Spotted Purple, <i>Limenitis arthemis astyanax</i> Fabr.	NYM, Limenitidinae	Z*
	SS 2500fr	Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	A*
	Margin	LL: Karner Blue, <i>Plebejus melissa samuelis</i> Nabokov	LYC, Polyommatinae	Z*
		R: Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	Z*

2015 June 15 (Fight Against Malaria) (Stamperija) (MS of 4 & SS of 1)

a	1000fr	<i>Anopheles gambiae</i> Giles (spraying)	CUL, Anophelinae	B
c	1000fr	<i>Anopheles gambiae</i> Giles (medical exam)	CUL, Anophelinae	B
	SS 3200fr	<i>Anopheles gambiae</i> Giles (medical testing)	CUL, Anophelinae	B

2015 June 15 (Bees) (Stamperija) (MS of 4 & SS of 1)

a	1000fr	Sweat Bee, <i>Halictus ligatus</i> Say	HAL, Halictinae	B*
b	1000fr	Carpenter Bee, <i>Xylocopa mordax</i> L.	API, Xylocopinae	B*
c	1000fr	Metallic Green Bee, <i>Augochloropsis metallica</i> Fabr.	HAL, Halictinae	B*
d	1000fr	<i>Anthophora affabilis</i> Cresson	API, Apinae	B*
	Margin	Bot: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z*
	SS 3200fr	Western Honeybee, <i>Apis mellifera</i> L. (with honeycomb)	API, Apinae	B*
	Margin	L & UL: Same bee	API, Apinae	Z*

Nomenclature Changes

Recently A.D. Warren, et al. (2008) proposed major revisions of the subfamilies of Hesperidae, based on DNA analysis. These changes are now included in *funet.fi*, our standard reference for names. In terms of insects found on stamps, the only revisions are to delete Subfamily Pyrrhopyginae and move the genera *Elbella*, *Jemadia*, *Ochropyge*, and *Yanguna* into Subfamily Pyrginae.

The order of extinct dragonflies, formerly Order Protodonata, is now regarded as Order Meganisoptera, which includes Family Meganeuridae, Genus *Meganeura*.

INSECT DEFENSE

A recent study performed at Wake Forest University revealed that a species of moth in the Arctiidae family has developed the ability to disrupt the echolocation of the bats that hunt them. This is the first animal known to defend itself by jamming the sonar of its predator.

The Grote's Bertholdia Moth (*Bertholdia trigona*) creates this sonar jamming by producing an ultrasonic clicking at 4,500 cycles per second. This blurs the acoustic image that the bat has.

The moth has organs on its body called "tymbals." They work like pushing in and releasing the side of a can to make it pop.

Unfortunately, no country has yet issued a stamp that depicts *B. trigona*.



South Africa, 2001, Sc#1258e