



ENTOMOLOGY

Editor

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New Listings

| Scott# | Denom | Common Name/Scientific Name | Family/Subfamily | Code |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|------------------------|------|
| ARMENIA 2016 (Flora & Fauna) (Set/4 & MS/8 + label) | | | | |
| | 500d | Marbled White, <i>Melanargia galathea</i> L. | NYM, Satyrinae | A |
| | Margin | LL, UR, & tab: Same species (miniature size) (with flower, bird & hedgehog) | | Z |
| ARUBA 2016 April 29 (Butterflies) (Set/8) (Correction) | | | | |
| | 90c | Old World Swallowtail, <i>Papilio machaon</i> L. (Cap: <i>P. glaucus</i>) | PAP, Papilioninae | A |
| AUSTRALIA 2016 May (Additional Data) (Set/4 & MS/4) | | | | |
| At WSS-NY 2016, Australia Post issued a different SS containing each of the four stamps on all eight days of the show. Each sheet indicates the day of issue. Some have one or more stamps printed with a special embellishment. | | | | |
| | \$1 | Great Jay, Pale Green Triangle, <i>Graphium eurypylus</i> L. | PAP, Papilioninae | A |
| | \$1 | Australian or Bordered Rustic, <i>Cupha prosope</i> Fabr. | NYM, Heliconiinae | A |
| | \$1 | Cairns Birdwing, <i>Troides priamus euphorion</i> Gray | PAP, Papilioninae | A |
| | \$2.75 | Checkered Swallowtail, <i>Papilio demoleus</i> L. | PAP, Papilioninae | A |
| | Day 1 | SS/4 perf. Margin shows <i>C. prosope</i> with MS extended to UL to show the wing. | | A |
| | Day 2 | SS/4. <i>T. p. euphorion</i> with holographic foil on wings. Same species in R margin. | | A |
| | Day 3 | SS/4. <i>P. demoleus</i> with laser cut-outs of wing pattern. Same species in R margin. | | A |
| | Day 4 | SS/4. <i>C. prosope</i> with wing veins embossed. Same species in R margin. | | A |
| | Day 5 | SS/4 imperf. <i>G. eurypylus</i> with pearl foil wings. Same species in R margin. | | A |
| | Day 6 | SS/4. Combined embellishment on each stamp. Each species in R margin. | | A |
| | Day 7 | SS/4. Like Day 1 with Day 7 show cancel in black | | A |
| | Day 8 | SS/4. Like Day 1 with Day 8 show cancel in red | | A |
| BOSNIA & HERZEGOVINA 2016 May 25 (Butterflies) (MS/2) | | | | |
| a | 2.50m | Large Heath or Common Ringlet, <i>Coenonympha tullia</i> Müller | NYM, Satyrinae | A |
| b | 2.50m | Eastern Short-Tailed Blue, <i>Cupido decoloratus</i> Staudinger | LYC, Polyommatainae | A |
| CHINA (Taiwan) 2016 (PhilaTaipei 2016) | | | | |
| | \$12 | Stylized butterfly | Lycaenidae | S B |
| FRANCE 2016 May 20 (Solitary Bees) (MS/4) | | | | |
| a | 70c | Builder Bee, <i>Osmia cornuta</i> L. | MEGA, Megachilinae | A |
| b | 70c | <i>Colletes</i> sp. | Colletidae, Colletinae | A |
| c | 70c | <i>Anthophora</i> sp. | API, Apinae | A |
| d | 70c | <i>Megachile pyrenaica</i> Lepeletier | MEGA, Megachilinae | A |
| GERMANY 2016 June 2 (Micro-Worlds)* | | | | |
| | 70c | Small Emperor Moth, <i>Saturnia pavonia</i> L. (magnified antenna) | SAT, Saturniinae | A |
| GREAT BRITAIN (Guernsey) 2016 July 16 (Postcrossing) (Set/2) | | | | |
| | (70p) | LL: <i>Polyommatus</i> sp. | LYC, Polyommatainae | B |
| | | Ctr: Western Honeybee, <i>Apis mellifera</i> L. | API, Apinae | B |
| ICELAND 2016 April 28 (Four Seasons) (Set/4) | | | | |
| | (180k) | Summer: Five stylized butterfly silhouettes | Nymphalidae | S |

| | | | | | |
|-------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------|--|-----|--|
| ISRAEL | | 2016 April 19 (Seasons in Israel – Spring) (Single) | | | |
| 4.10s | Four stylized butterflies (with children) (also on tab) | Lepidoptera | | S | |
| MAURITIUS | | 2016 June 6 (Freshwater Fauna) (Set/4) | | | |
| 10r | <i>Laccotrephes annulipes</i> LaPorte | Nepidae, Nepinae | | A | |
| MOLDOVA | | 2016 April 15 (Wild Flowers) (MS/6 + 3 labels) | | | |
| a | 10b Plain Tiger, <i>Danaus chrysippus</i> L. | NYM, Danainae | | B | |
| b | 25b Western Honeybee, <i>Apis mellifera</i> L. | API, Apinae | | B | |
| c | 1L Monarch, <i>Danaus plexippus</i> L. | NYM, Danainae | | B | |
| e | 3L U/I Dragonfly | Libellulidae | | U B | |
| f, | 5L European Mantis, <i>Mantis religiosa</i> L. | MAN, Mantinae | | B | |
| Margin | UL: U/I Dragonfly | Libellulidae | | U Z | |
| | LL: Western Honeybee, <i>Apis mellifera</i> L. | API, Apinae | | Z | |
| | Bot: Bumblebee, <i>Bombus</i> sp. | API, Apinae | | Z | |
| | LR: U/I Butterfly | Nymphalidae | | U Z | |
| | L label: 7-Spotted Ladybird, <i>Coccinella septempunctata</i> L. | COC, Coccinellinae | | Z | |
| | Ctr label: Old World Swallowtail, <i>Papilio machaon</i> L. | PAP, Papilioninae | | Z | |
| NIGER | | 2013 September 30 (Flowers & Honeybees) (MS/4 & SS/1) | | | |
| 1282a | 750fr Western Honeybee, <i>Apis mellifera</i> L. (<i>Chaenomeles japonica</i>) | API, Apinae | | B | |
| 1282b | 750fr Same species (with <i>Tanacetum parthenium</i>) | | | B | |
| 1282c | 750fr Same species (with <i>Paeonia cambessedesii</i>) | | | B | |
| 1282d | 750fr Same species (with <i>Odontoglossum rossi</i>) | | | B | |
| 1307 | SS 2500fr Western Honeybee, <i>Apis mellifera</i> L. (also UR & LR margin) | API, Apinae | | B | |
| | | 2013 September 30 (Fight Against Malaria) (Set/4 & SS/1) | | | |
| 1285a | 750fr <i>Anopheles gambiae</i> Giles (silhouette) (medic feeling head) | CUL, Anophelinae | | S B | |
| 1285b | 750fr <i>Anopheles gambiae</i> Giles (silhouette) (using bed nets-on R) | CUL, Anophelinae | | S B | |
| 1285c | 750fr <i>Anopheles gambiae</i> Giles (silhouette) (using bed nets-on L) | CUL, Anophelinae | | S B | |
| 1285d | 750fr <i>Anopheles gambiae</i> Giles (silhouette) (medic wearing gloves) | CUL, Anophelinae | | S B | |
| 1310 | Margin Bot: <i>Anopheles gambiae</i> Giles | CUL, Anophelinae | | S Z | |
| | | 2013 September 30 (Rotary International) (MS/4 & SS/1) | | | |
| 1300a | 875fr Wandering Donkey Acraea, <i>Acraea neobule</i> Doubleday | NYM, Heliconiinae | | B | |
| 1300c | 875fr Mimic, <i>Hypolimnas misippus</i> L. | NYM, Nymphalinae | | B | |
| 1300d | 875fr Scarlet/Red/Crimson Tip, <i>Colotis danae</i> Fabr. | PIE, Pierinae | | B | |
| 1325 | SS 3000fr Foxy Charaxes or 2-Tailed Pasha, <i>Charaxes jasius</i> L. | NYM, Charaxinae | | B | |
| Margin | LL: Striped Policeman, <i>Coeliades forestan</i> Stoll | HES, Coeliadinae | | Z | |
| QATAR | | 2013 June 23 (Jeemtv.net) (MS/4) | | | |
| 1088d | 2.50r Stylized Butterflies (with girl) | Lepidoptera | | S B | |
| ST. MARTIN | | 2016 January 2 (Butterflies) (4ea SS/1) (Additional Data) | | | |
| SS 500c | King Shoemaker, <i>Archaeoprepona demophon</i> L. | NYM, Charaxinae | | A | |
| Margin | UL & LL: U/I Caterpillars | | | U Z | |
| | ML: Small Emperor Moth, <i>Saturnia pavonia</i> L. | SAT, Saturniinae | | Z | |
| | Bot, UR, & LR: U/I Butterflies | | | U Z | |
| SS 500c | Sky Blue Morpho, <i>Morpho portis</i> Hübner | NYM, Morphinae | | A | |
| Margin | ML, LL, Bot, MR, & LR: U/I Butterflies | | | U Z | |
| | LL: U/I Caterpillar | | | U Z | |
| SS 500c | <i>Arawacus lincoides</i> Draudt | LYC, Theclinae | | A | |
| Margin | UL & LR: U/I Caterpillars | | | U Z | |
| | Top: <i>Morpho</i> sp. | NYM, Morphinae | | Z | |
| | MR: U/I Moth | | | U Z | |

ST. MARTIN (continued)

| | | | | |
|---------|--|----------------------------------------------------|------------------|-----|
| SS 500c | | <i>Nymphidium mantus</i> Cramer | RIO, Riordininae | A |
| Margin | | UL, UR, & LR: U/I Caterpillars | | U Z |
| | | Top: U/I Butterfly | | U Z |
| | | MR: Small Emperor Moth, <i>Saturnia pavonia</i> L. | SAT, Saturniinae | Z |
| | | LR: U/I Moth | | U Z |

SERBIA**2016 March 16** (WWF) (Horiz strip/4 + central label) (New Data)

| | | | | |
|------|-----|--------------------------------------------------------------------|-------------------|---|
| 737a | 23d | Southern Festoon, <i>Zerynthia polyxena</i> Denis & Schiffermüller | PAP, Parnassiinae | A |
| 737b | 46d | Same species | | A |
| 737c | 50d | Same species (with larva) | | A |
| 737d | 70d | Same species | | A |

MS/20 + 5 labels (same species adult on one label, larva on second label)

SWITZERLAND**2016 May 12** (Nocturnal Animals) (Set/4)

| | | | | |
|------|------|-------------------------------------------------|-----------------|---|
| 1603 | 150c | Common Glowworm, <i>Lampyrus noctiluca</i> L. ♀ | LAM, Lampyrinae | A |
|------|------|-------------------------------------------------|-----------------|---|

TAJKIKISTAN**2014 October 3** (Mushrooms)

| | | | | |
|-----|-------|-------------------------------|---------------|-----|
| 429 | 1.60s | U/I Butterfly (with mushroom) | Nymphalidae | U B |
| | | U/I Ladybug (with mushroom) | Coccinellidae | U B |
| 430 | 2s | U/I Butterfly (with mushroom) | | U B |

TONGA**2016 January 4** (Butterflies) (Set/2, SS/2, 2ea SS/1)

This set of stamps and the set for Niufo'ou, below, both catalog for a total of \$300. Add \$350 for earlier values of these sets. The Tongan government justifies the high values as necessary for air freight shipped among the islands.

| | | | | |
|-------|---------|----------------------------------------------------------------|-------------------|---|
| CE11 | 83pa | Common Lime Butterfly, <i>Papilio demoleus</i> L. | PAP, Papilioninae | A |
| CE12 | 89pa | Old World Swallowtail, <i>Papilio machaon</i> L. | PAP, Papilioninae | A |
| CE12a | | SS/2 (Sc#CE11–12) (with white frames) | | |
| CE17 | SS 83pa | Common Lime Butterfly, <i>Papilio demoleus</i> L. (w/o frames) | PAP, Papilioninae | A |
| CE18 | SS 89pa | Old World Swallowtail, <i>Papilio machaon</i> L. (w/o frames) | PAP, Papilioninae | A |

TONGA (Niufo'ou)**2016 January 4** (Butterflies) (Set/2, SS/2, 2ea SS/1)

| | | | | |
|-------|---------|-------------------------------------------------------------------|--------------------|---|
| CE10 | 83pa | Chinese Yellow Swallowtail, <i>Papilio xuthus</i> L. | PAP, Papilioninae | A |
| CE11 | 89pa | Clipper, <i>Parthenos sylvia</i> Cramer | NYM, Limenitidinae | A |
| CE11a | | SS/2 (Sc#CE10–11) (with white frames) | | |
| CE16 | SS 83pa | Chinese Yellow Swallowtail, <i>Papilio xuthus</i> L. (w/o frames) | PAP, Papilioninae | A |
| CE17 | SS 89pa | Clipper, <i>Parthenos sylvia</i> Cramer (w/o frames) | NYM, Limenitidinae | A |

UNITED NATIONS**2016 February 5** (Free & Equal)

| | | | | |
|------|--------|-------------------------------------|--|---|
| 1128 | \$1.20 | Stylized woman with butterfly wings | | S |
|------|--------|-------------------------------------|--|---|

UZBEKISTAN**2016 January 22** (Fauna) (Set/4)

| | | | | |
|-----|-------|---------------------------------------|-----------------|---|
| 794 | 1000s | Rose Chafer, <i>Cetonia aurata</i> L. | SCA, Cetoniinae | A |
|-----|-------|---------------------------------------|-----------------|---|

VENEZUELA**2015 November 25** (End Violence Against Women)

| | | | | |
|------|------|-----------------------------------------------------------------------------|--|-----|
| 1731 | 338b | Three tiny U/I butterflies (Top to Bot: Nymphalidae, Nymphalidae, Pieridae) | | U C |
|------|------|-----------------------------------------------------------------------------|--|-----|

VIETNAM**2015 October 20** (Beetles) (Set/4 & SS/4)

| | | | | |
|-------|-------|------------------------------------------------------------------|-----------------|--|
| 3535 | 3000d | Golden Stag Beetle, <i>Odontolabis cuvera fallaciosa</i> Boileau | LUC, Lucaninae | |
| 3536 | 3000d | <i>Cheirotonus battareli</i> Pouillaude | SCA, Euchirinae | |
| 3537 | 4500d | Giant Stag Beetle, <i>Dorcus titanus westermanni</i> Hope | LUC, Lucaninae | |
| 3538 | 8000d | <i>Jumnos ruckeri tonkinensis</i> Nagai | SCA, Cetoniinae | |
| 3538a | | SS/4 (Sc#3535–38) | | |

Beyond the Catalog

CHAD

2015 (Impressor)

a 150fr Bean Fly, *Ophiomyia phaseoli* Tryon Agromyzidae, Agromyzinae A
(Suborder Cyclorrhapha, Superfamily Opomyzoidea, Family & subfamily new on stamps.)

b 150fr Tsetse, *Glossina palpalis* Robineau-Desvoidy Glossinidae A

2015 (Impressor) (MS/4)

a 300fr *Mecynorhina torquata ugandensis* Moser SCA, Cetoniinae A

b 300fr *Homoderus mellyi* Parry LUC, Lucaninae A

c 300fr Picasso Bug, *Sphaerocoris annulus* Fabr. SCU, Scutellerinae A

d 300fr Colorado Potato Beetle, *Leptinotarsa decemlineata* Say CHR, Chrysomelinae A

Margin UL: U/I Beetle Cerambycidae U Z

LL: U/I Beetle Coleoptera U Z

UR: U/I Leafhopper Cicadellidae U Z

LR: U/I Weevil Curculionidae U Z

2015 (Impressor) (MS/6 & SS/1)

a 350fr African Monarch, *Danaus chrysippus* L. (with larva) NYM, Danainae A

b 350fr White Acraea, *Acraea circeis* Drury NYM, Heliconiinae A

c 350fr Blue Pansy, *Junonia oenone* L. NYM, Nymphalinae A

d 350fr Golden Pansy, *Junonia sophia* Fabr. NYM, Nymphalinae A

e 350fr Painted Lady, *Vanessa cardui* L. NYM, Nymphalinae A

f 350fr Spanish Festoon, *Zerynthia rumina* L. PAP, Parnassiinae A

Margin: Stylized butterfly in each corner S Z

SS 2000fr Speckled Wood, *Pararge aegeria* L. NYM, Satyrinae A

Margin UL: U/I Butterfly Nymphalidae U Z

LL: Gold-Banded Forester, *Euphaedra neophron* Hopffer NYM, Limenitidinae Z

UR: U/I Butterfly U Z

LR: Giant African Swallowtail, *Papilio antimachus* Drury PAP, Papilioninae Z

DJIBOUTI

2016 January 25 (Scorpions) (MS/4) (Stamperija DJB-16119a)

c 260fr Orange-Spotted Roach, *Blaptica dubia* Schaum Blaberidae, Blaberinae B

2016 May 5 (Anti-Malaria) (Stamperija DJB-16313a-b)

b 280fr *Anopheles* sp. (with sick child) CUL, Anophelinae B

SS 960fr *Anopheles* sp. CUL, Anophelinae A

2016 May 5 (Butterflies) (MS/4 & SS/1) (Stamperija DJB-16320a-b)

a 280fr Cranberry Fritillary, *Boloria aquilonaris* Stichel NYM, Heliconiinae A

b 280fr Checkered White, *Pontia protodice* Boisduval & LeConte PIE, Pierinae A

c 280fr Gray Hairstreak, *Strymon melinus* Hübner LYC, Theclinae A

d 280fr Brown Argus, *Aricia agestis* Denis & Schiffermüller LYC, Polyommatinae A

Margin L: U/I Butterfly (head) LYC, Polyommatinae U Z

SS 960fr Scarlet/Red/Crimson Tip, *Colotis danae* Fabr. PIE, Pierinae A

Margin LL: Monarch, *Danaus plexippus* L. NYM, Danainae Z

LR: Gorgon Copper, *Lycaena gorgon* Boisduval LYC, Polyommatinae Z

GUINEA-BISSAU

2016 April 21 (Butterflies) (MS/4 & SS/1) (Stamperija GB-16306a-b)

a 825fr Crimson Rose, *Atrophaneura hector* L. PAP, Papilioninae A

b 825fr Apollo, *Parnassius apollo* L. PAP, Parnassiinae A

c 825fr Viceroy, *Limenitis archippus* Cramer NYM, Limenitidinae A

d 825fr Blue Doctor, *Rhetus periander* Cramer RIO, Riordininae A

Margin UL: Golden Birdwing, *Troides aeacus* C&R Felder (larva) PAP, Papilioninae Z

UR: Blue Pansy, *Junonia orithya* L. NYM, Nymphalinae Z

GUINEA-BISSAU (continued)

| | | | |
|-----------|---------------------------------------------------------------------|-------------------|---|
| SS 3300fr | L: Common Morpho, <i>Morpho helenor peleides</i> Kollar | NYM, Morphinae | B |
| | R: Scarce Bamboo Page, <i>Philaethria dido</i> L. | NYM, Heliconiinae | B |
| Margin | Golden Birdwing, <i>Troides aeacus</i> C&R Felder (chrysalis/adult) | PAP, Papilioninae | Z |

2016 June 27 (Butterflies) (MS/4) (Stamperija GB-16514a)

| | | | | |
|--------|---------------------------------------------------|------------------------------------------------------------------|------------------|---|
| a | 900fr | Yellow Pansy, <i>Junonia hierta</i> Fabr. | NYM, Nymphalinae | A |
| b | 900fr | Western Scalloped Epitola, <i>Stempfferia leonina</i> Staudinger | LYC, Poritiinae | A |
| c | 900fr | The Friar, <i>Amauris niavius</i> L. | NYM, Danainae | A |
| d | 900fr | Scarlet/Red/Crimson Tip, <i>Colotis danae</i> Fabr. | PIE, Pierinae | A |
| Margin | Top: Common Eggfly, <i>Hypolimnas bolina</i> L. ♂ | NYM, Nymphalinae | Z | |

MALDIVE ISLANDS**2016 May 23** (Butterflies & Orchids) (MS/4 & SS/1) (MLD-16305a–b)

| | | | | |
|--------|-------------------------------------------------------|---------------------------------------------------|-------------------|---------|
| a | 20r | <i>Papilio maraho</i> Shiraki & Sonan | PAP, Papilioninae | (new) A |
| b | 20r | Blue Doctor, <i>Rhetus periander</i> Cramer | RIO, Riodininae | A |
| c | 20r | Common Banded Peacock, <i>Papilio crino</i> Fabr. | PAP, Papilioninae | A |
| d | 20r | Sapho Longwing, <i>Heliconius sapho</i> Drury | NYM, Heliconiinae | A |
| | SS 60r | Pipevine Swallowtail, <i>Battus philenor</i> L. | PAP, Papilioninae | A |
| Margin | LR: Common Banded Peacock, <i>Papilio crino</i> Fabr. | PAP, Papilioninae | Z | |

MOZAMBIQUE**2016 January 15** (Butterflies) (MS/4 & SS/1) (MOZ-16122a–b)

| | | | | |
|---------|-------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------|---|
| a | 66m | Tiger Longwing, <i>Heliconius hecale</i> Fabr. | NYM, Heliconiinae | A |
| b | 66m | Malabar Tree Nymph, <i>Idea malabarica</i> Moore | NYM, Danainae | A |
| c | 66m | Blue Lacewing, <i>Cethosia cyane</i> Drury | NYM, Heliconiinae | A |
| d | 66m | Blue Morpho, <i>Morpho menelaus</i> L. | NYM, Morphinae | A |
| Margin | UL: Scarlet Mormon, <i>Papilio deiphobus rumanzovia</i> Eschscholtz | PAP, Papilioninae | Z | |
| | LL: Emerald or Green-Banded Swallowtail, <i>Papilio palinurus</i> Fabr. | PAP, Papilioninae | Z | |
| SS 175m | | Emerald or Green-Banded Swallowtail, <i>Papilio palinurus</i> Fabr. | PAP, Papilioninae | A |
| Margin | LL: Peacock, <i>Nymphalis io</i> L. | NYM, Nymphalinae | Z | |
| | Top: Zebra, <i>Heliconius charithonia</i> L. | NYM, Heliconiinae | Z | |
| | UR: Green-Spotted Triangle, <i>Graphium agamemnon</i> L. | PAP, Papilioninae | Z | |
| | LR: Blue Morpho, <i>Morpho menelaus</i> L. | NYM, Morphinae | Z | |

NIGER**2016 May 28** (Butterflies) (MS/4 & SS1) (Stamperija NIG-16202a–b)

| | | | | |
|-----------|-------|------------------------------------------------------|-------------------|--|
| a | 750fr | Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L. | PAP, Papilioninae | |
| b | 750fr | Giant Swallowtail, <i>Papilio crespontes</i> Cramer | PAP, Papilioninae | |
| c | 750fr | Red Admiral, <i>Vanessa atalanta</i> L. | NYM, Nymphalinae | |
| d | 750fr | Large Tree Nymph, <i>Idea leuconoe</i> Erichson | NYM, Danainae | |
| SS 2500fr | | Doris Longwing, <i>Laparus doris</i> L. | NYM, Heliconiinae | |
| Margin | | Great Purple, <i>Sasakia charonda</i> Hewitson | NYM, Apaturinae | |

ST. THOMAS & PRINCE IS.**2016 March 30** (Butterflies) (MS/4 & SS/1) (Stamperija ST-16207a–b)

| | | | | |
|-----------|--------|----------------------------------------------------------------------|-------------------|-----|
| a | 31000d | Punchinello, <i>Zemeros flegyas</i> Cramer (also in UL margin) | RIO, Riodininae | A |
| b | 31000d | Common Map, <i>Cyrestis thyodamas</i> Boisduval | NYM, Cyrestinae | A |
| c | 31000d | American Lady, <i>Vanessa virginiensis</i> Drury (also in LL margin) | NYM, Nymphalinae | A |
| d | 31000d | Blue Emperor, <i>Papilio ulysses</i> L. | PAP, Papilioninae | A |
| Margin | | LR: Crowned Hairstreak, <i>Evenus coronata</i> Hewitson | LYC, Theclinae | Z |
| SS 96000d | | Blue Doctor, <i>Rhetus periander</i> Cramer | RIO, Riodininae | A |
| Margin | | UL: White Morpho, <i>Morpho polyphemus</i> Westwood | NYM, Morphinae | Z |
| | | ML: Large Tree Nymph, <i>Idea leuconoe</i> Erichson | NYM, Danainae | Z |
| | | LL: Mocker Swallowtail, <i>Papilio dardanus</i> Brown | PAP, Papilioninae | Z |
| | | UR: White Morpho, <i>M. polyphemus</i> Westwood (w/ 2 chrysalids) | NYM, Morphinae | Z |
| | | LR: U/I Butterfly (Cap: <i>Papilio dardanus</i>) | ?Pieridae | U Z |

| | | | | | |
|------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------|-------------------|--|-----|
| ST. THOMAS & PRINCE IS. (cont) 2016 March 30 (Anti-Malaria) (SS/1) (Stamperija ST-16214b) | | | | | |
| | SS 96000d | <i>Anopheles gambiae</i> Giles (with nurse & child under bed net) | CUL, Anophelinae | | B |
| 2016 March 30 (Endangered Animals) (SS/1) (Stamperija ST-16219b) | | | | | |
| | SS 96000d | UL & LR: Bay Checkerspot, <i>Euphydryas editha bayensis</i> Sternitzky | NYM, Nymphalinae | | Z |
| SIERRA LEONE 2015 December 21 (Scout Jamboree) (New Data) (SRL-15702) | | | | | |
| a | 6500Le | Alpine Black Swallowtail, <i>Papilio maackii</i> Ménétries | PAP, Papilioninae | | A |
| | SS 26000Le | LL: Magpie Moth, <i>Abraxas grossulariatus</i> L. (larva) | GEO, Ennominae | | Z |
| | | UR: 2-Tailed Pasha, Foxy Charaxes, <i>Charaxes jasius</i> L. | NYM, Charaxinae | | Z |
| SOLOMON ISLANDS 2016 May 13 (Butterflies) (MS/4 & SS/1) (Stamperija SLM-16102a-b) | | | | | |
| a | \$7 | Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L. | PAP, Papilioninae | | A |
| b | \$7 | Silver-Studded Blue, <i>Plebejus argus</i> L. | LYC, Polyommatae | | A |
| c | \$7 | Monarch, <i>Danaus plexippus</i> L. | NYM, Danainae | | A |
| d | \$7 | Lesser Purple Emperor, <i>Apatura ilia</i> Denis & Schiffermüller | NYM, Apaturinae | | A |
| | Margin | Bkgrd: ~80 Butterfly images of ~10 different species | Lepidoptera | | Z |
| | SS \$35 | Lime Swallowtail, <i>Papilio demoleus</i> L. | PAP, Papilioninae | | A |
| | Margin | Top: Marbled White, <i>Melanargia galathea</i> L. | NYM, Satyrinae | | Z |
| | | (Cap: <i>Limenitis archippus</i>) | | | |
| | | Bkgrd: ~80 Butterfly images of ~10 different species | Lepidoptera | | Z |
| TOGO 2016 May 20 (Bee-Eaters) (Stamperija TG-16201a-b) | | | | | |
| a | 900fr | U/I Bees chased by birds to right | API, Apinae | | U B |
| b | 900fr | U/I Bees chased by birds to left | API, Apinae | | U B |
| | Margin | U/I Bee in bird's beak | API, Apinae | | U Z |
| | SS 3000fr | U/I Bees chased by birds | API, Apinae | | U B |
| | Margin | LL & LR: U/I Bees | API, Apinae | | U Z |
| 2016 May 20 (Butterflies) (MS/4 & SS/1) (Stamperija TG-16202a-b) | | | | | |
| a | 900fr | Large Tree Nymph, <i>Idea leuconoe</i> Erichson | NYM, Danainae | | A |
| b | 900fr | Malay Cruiser, <i>Vindula dejone</i> Erichson | NYM, Heliconiinae | | A |
| c | 900fr | Peacock Pansy, <i>Junonia almana</i> L. | NYM, Nymphalinae | | A |
| d | 900fr | Great Mormon, <i>Papilio memnon</i> L. (also in R margin) | PAP, Papilioninae | | A |
| | SS 3000fr | Great Mormon, <i>Papilio memnon</i> L. (also in UR margin) | PAP, Papilioninae | | A |
| | Margin | LR: Large Tree Nymph, <i>Idea leuconoe</i> Erichson | NYM, Danainae | | Z |

* * * * *

Here is the annual report on insect new issues. In calendar 2015, we had the third lowest number of new stamps in the past 20 years. Locals and known illegal issues are not included. The 20 year total is 8,978.

| | | | | | |
|--------------------------|-------------|------|-------------|------|------------|
| 1996 | ~400 stamps | 2004 | ~270 stamps | 2012 | 297 stamps |
| 1997 | ~595 stamps | 2005 | ~340 stamps | 2013 | 471 stamps |
| 1998 | ~625 stamps | 2006 | ~315 stamps | 2014 | 314 stamps |
| 1999 | ~665 stamps | 2007 | ~310 stamps | 2015 | 240 stamps |
| 2000 | ~825 stamps | 2008 | ~185 stamps | | |
| 2001 | ~955 stamps | 2009 | ~235 stamps | | |
| 2002 | ~610 stamps | 2010 | ~265 stamps | | |
| 2003 | ~455 stamps | 2011 | ~275 stamps | | |
| Non-catalog (Stamperija) | | | | | |
| 2013 | 321 stamps | 2014 | 331 stamps | 2015 | 323 stamps |

*The following is a loose translation from the German publicity release concerning the above listed stamp showing the 40× magnified antenna of a male Small Emperor Moth:

“Micro-Worlds” Series

The name is deceptive. Although called the “Small Emperor Moth” (*Saturnia pavonia*), it is one of the larger and most beautiful moths in Europe. In addition, the male distinguishes itself through its expansive, fan-shaped antenna. The unusual appearance of the antenna can indeed be seen by the naked eye, but only in 40-fold magnification is its unique form apparent. This is possible using a special photo technique called photomicrography.

The photomicrograph uses, in some cases, a source connected to a microscope camera. When thus seen, the antenna reveals the basic structures of an evolutionary stroke of genius, which would never be seen without magnification. Few photographers have mastered the art of photomicrography as has Prof. Manfred P. Kage, who provided the original illustration of the moth antenna shown on the stamp. By means of advanced microscope technology, he shows the microcosm in a whole new light.

The females reach a wingspan of about 7–8 centimeters. The wings of males are about 5–6 centimeters. Its smaller size and different coloring gives the male a different appearance. The wings of the male are colored contrasting orange, white, black, and some pink. The females are colored inconspicuously, having brown, gray, and white wings.

Common to both are distinctive eye-like spots on the wings, which probably serve to deter enemies. The half-moon-shaped markings at the top make the “eyes” appear particularly realistic. In addition, the name of this insect is misleading. Only the female Small Emperor Moth acts like a moth, in that it flies at night. The male, like butterflies, is mainly active in the day and flies from April to May in gardens and open areas. His only goal: a female whose pheromones he can perceive for kilometers using his feathered antenna.



Saturnia pavonia
Germany, 2016



S. pavonia ♀ & ♂
Czech Rep, 2009, Sc#3626a

STATE BIRD

The Northern Cardinal (*Cardinalis cardinalis*) is the official bird of seven U.S. states. Maybe this shows a lack of imagination, but can you name all of the states? Answer is on page 166.

Bonus: What intriguing fact links these states? Answer in next issue.

