

# Grzimek's Animal Life Encyclopedia

**Second Edition**



## **Volume 6 Amphibians**

**William E. Duellman, Advisory Editor  
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**Joseph E. Trumpey, Chief Scientific Illustrator**



**Michael Hutchins, Series Editor**

**In association with the American Zoo and Aquarium Association**





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1. Hamilton's frog (*Leiopelma hamiltoni*); 2. Archey's frog (*Leiopelma archeyi*); 3. Maud Island frog (*Leiopelma pakeka*); 4. Hochstetter's frog (*Leiopelma hochstetteri*). (Illustration by Brian Cressman)

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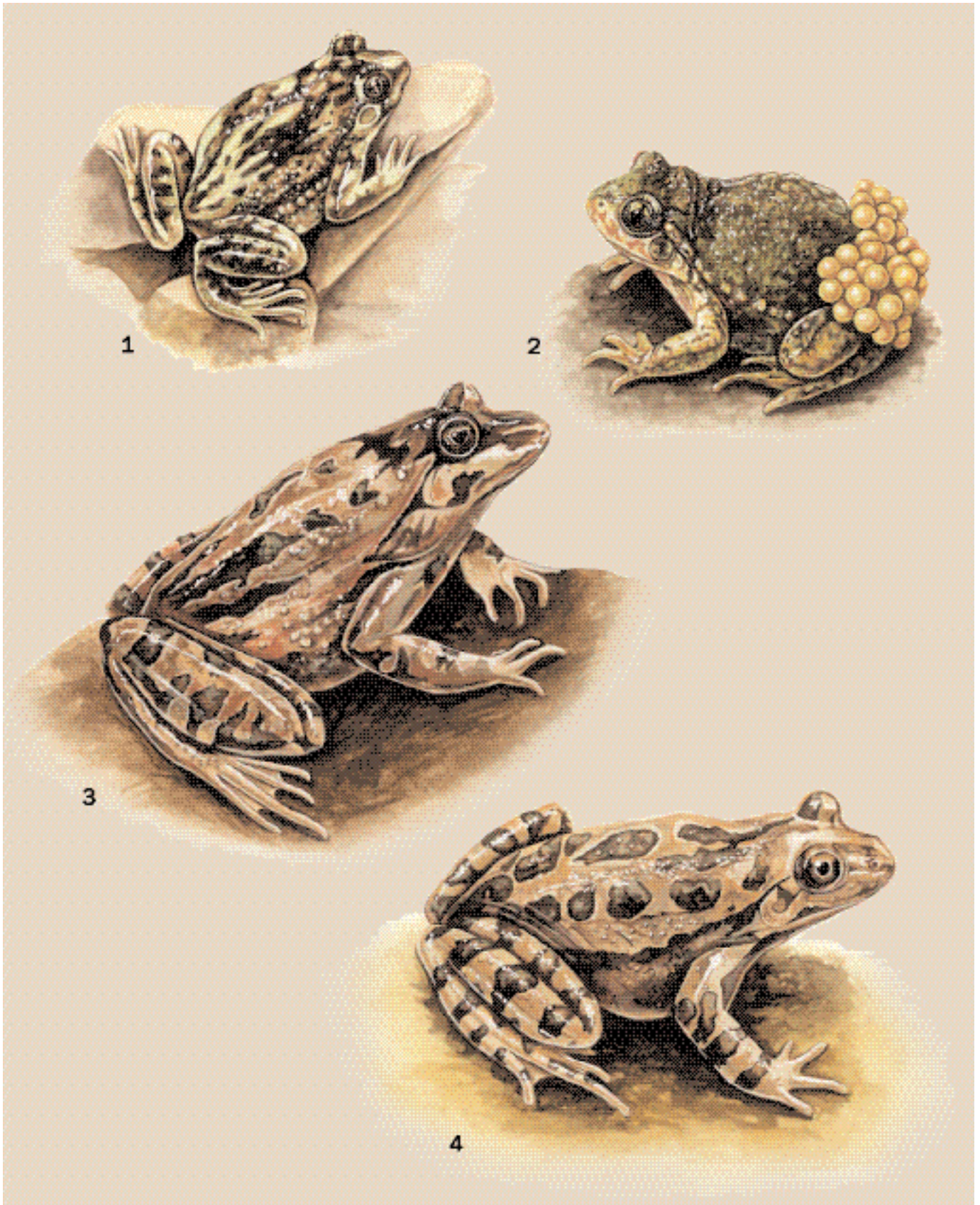
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1. Coastal tailed frog (*Ascaphus truei*); 2. Rocky Mountain tailed frog (*Ascaphus montanus*). (Illustration by Dan Erickson)



1. Oriental fire-bellied toad (*Bombina orientalis*); 2. Yellow-bellied toad (*Bombina variegata*); 3. Fire-bellied toad (*Bombina bombina*). (Illustration by Barbara Duperron)



1. Iberian midwife toad (*Alytes cisternasii*); 2. Midwife toad (*Alytes obstetricans*); 3. Tyrrhenian painted frog (*Discoglossus sardus*); 4. Painted frog (*Discoglossus pictus*). (Illustration by Patricia Ferrer)



1. Ailao moustache toad (*Vibrissaphora ailaonica*); 2. Bana leaf litter frog (*Leptobrachium banae*); 3. Burmese spadefoot toad (*Xenophrys parva*); 4. Schmidt's lazy toad (*Oreolalax schmidtii*); 5. Asian horned frog (*Megophrys montana*); 6. Slender mud frog (*Leptolalax pelodytoides*); 7. Annam broad-headed toad (*Brachytarsophrys intermedia*); 8. Asian mountain toad (*Ophryophryne microstoma*). (Illustration by Bruce Worden)



1. Plains spadefoot toad (*Spea bombifrons*); 2. Common spadefoot (*Pelobates fuscus*); 3. Couch's spadefoot toad (*Scaphiopus couchii*). (Illustration by Emily Damstra)

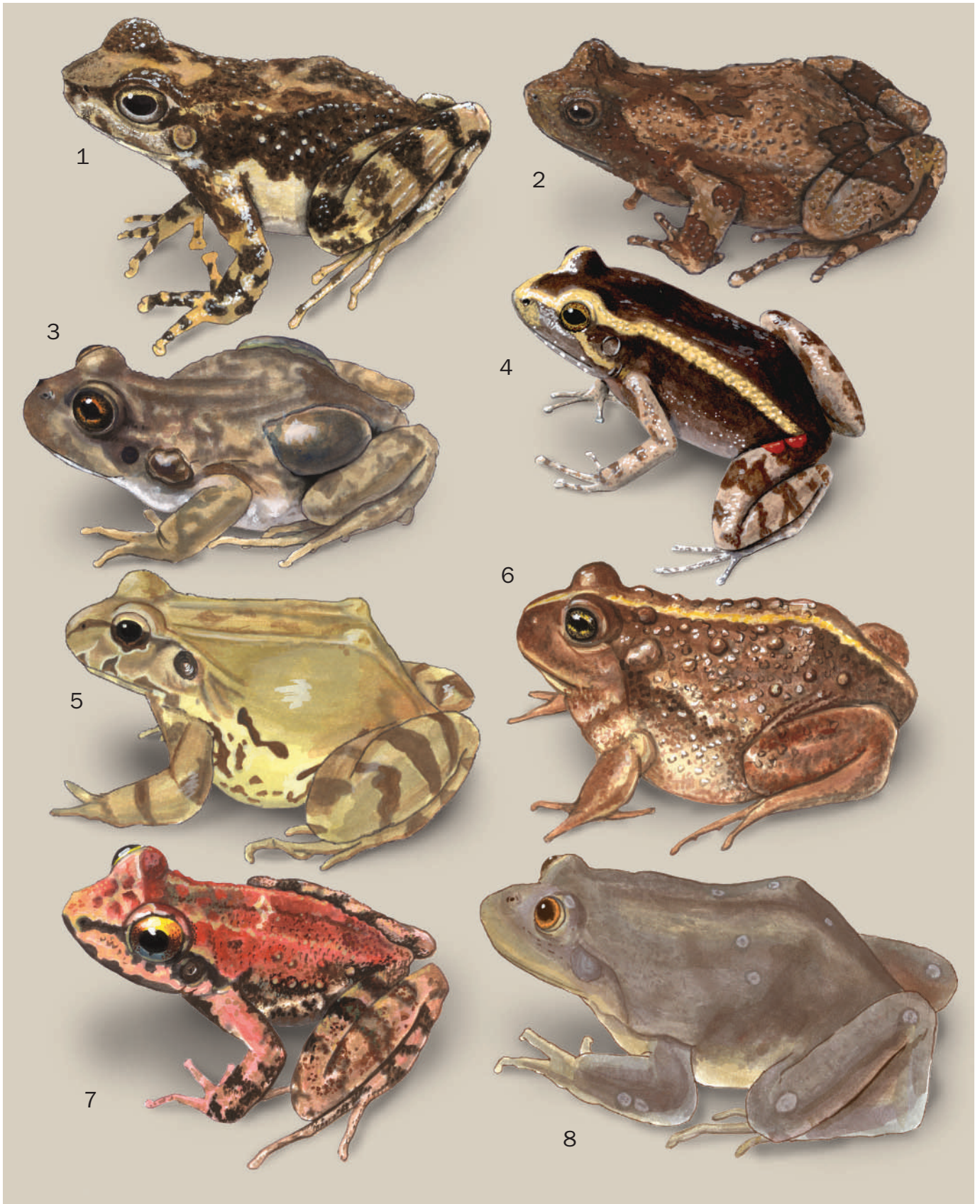




1. Tusked frog (*Adelotus brevis*); 2. Woodworker frog (*Limnodynastes lignarius*); 3. Baw Baw frog (*Philoria frosti*); 4. Giant barred frog (*Mixophyes fasciolatus*); 5. Painted frog (*Neobatrachus pictus*); 6. Northern spadefoot toad (*Notaden melanoscaphus*). (Illustration by John Megahan)



1. Southern gastric brooding frog (*Rheobatrachus silus*); 2. Hip pocket frog (*Assa darlingtoni*); 3. Moss frog (*Crinia nimbus*); 4. Eungella torrent frog (*Taudactylus eungellensis*); 5. Sandhill frog (*Arenophryne rotunda*). (Illustration by Barbara Duperron)



1. Warty tree toad (*Hylodes asper*); 2. Túngara frog (*Physalaemus pustulosus*); 3. Gray four-eyed frog (*Pleurodema bufonina*); 4. Gold-striped frog (*Lithodytes lineatus*); 5. South American bullfrog (*Leptodactylus pentadactylus*); 6. Cururu lesser escuerzo (*Odontophrynus occidentalis*); 7. Rock River frog (*Thoropa miliaris*); 8. Titicaca water frog (*Telmatobius culeus*). (Illustration by Dan Erickson)



1. Surinam horned frog (*Ceratophrys cornuta*); 2. Patagonia frog (*Atelognathus patagonicus*); 3. Puerto Rican coqui (*Eleutherodactylus coqui*); 4. Budgett's frog (*Lepidobatrachus laevis*); 5. Golden coqui (*Eleutherodactylus jasperi*); 6. Helmeted water toad (*Caudiverbera caudiverbera*); 7. Perez's snouted frog (*Edalorhina perezii*); 8. Emerald forest frog (*Hylorina sylvatica*). (Illustration by Dan Erickson)



1. Yungas redbelly toad (*Melanophryniscus rubriventris*); 2. Roraima bush toad (*Oreophrynella quelchii*); 3. Malcolm's Ethiopia toad (*Altiphrynoides malcolmi*); 4. Golden toad (*Bufo periglenes*); 5. Aquatic swamp toad (*Pseudobufo subasper*); 6. Harlequin frog (*Atelopus varius*); 7. Marine toad (*Bufo marinus*). (Illustration by Brian Cressman)



1. Green toad (*Bufo viridis*); 2. Chirinda toad (*Stephopaedes anotis*); 3. Houston toad (*Bufo houstonensis*); 4. Long-fingered slender toad (*Ansonia longidigita*); 5. Brown tree toad (*Pedostibes hosii*); 6. Common Sunda toad (*Bufo melanostictus*). (Illustration by Brian Cressman)

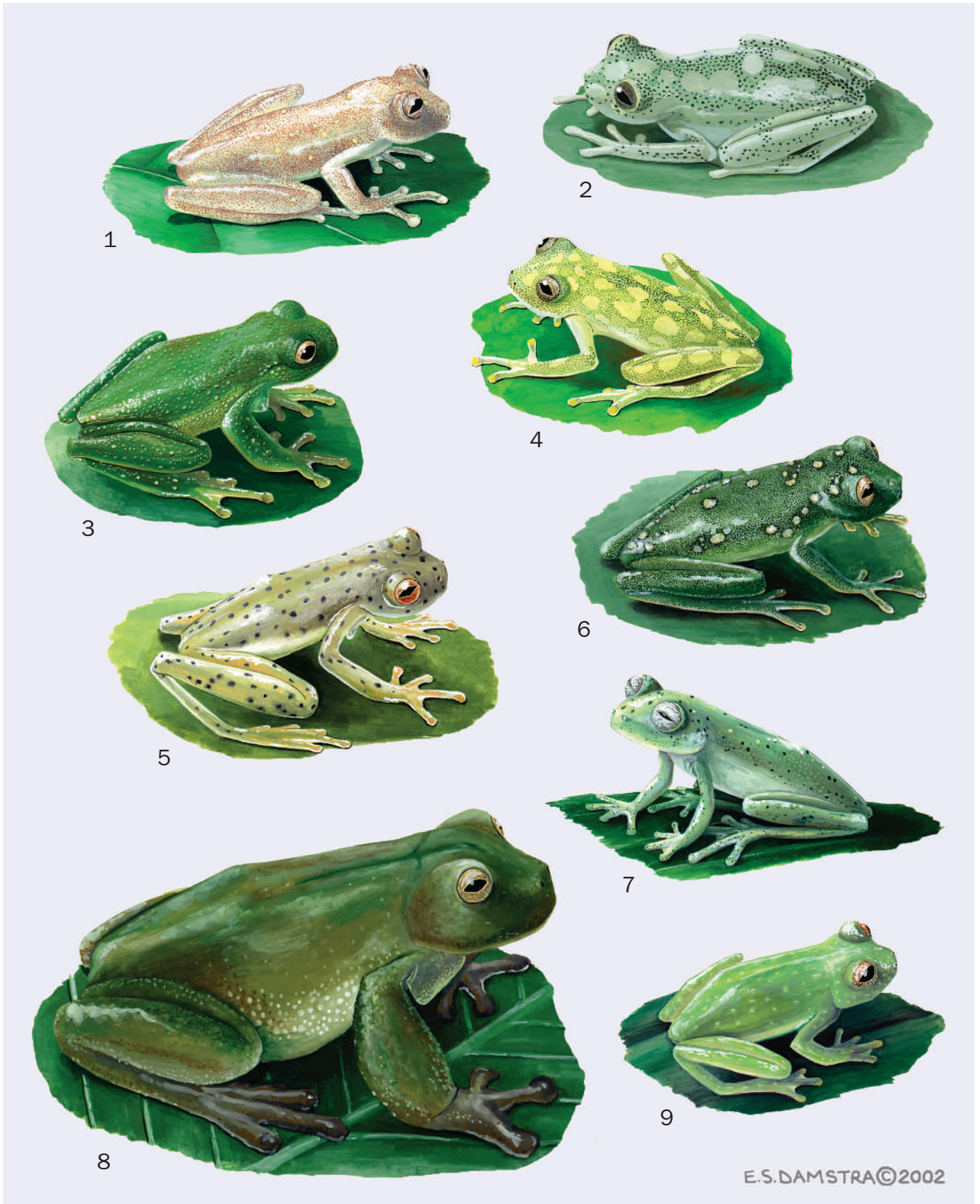


1. Trinidad poison frog (*Mannophryne trinitatis*); 2. Venezuelan skunk frog (*Aromobates nocturnus*); 3. Blue-toed rocket frog (*Colostethus caeruleodactylus*); 4. Blue-bellied poison frog (*Dendrobates minutus*); 5. Stephen's rocket frog (*Colostethus stepheni*). (Illustration by Joseph E. Trumpey)



1. Phantasmal poison frog (*Epipedobates tricolor*); 2. Green poison frog (*Dendrobates auratus*); 3. Amazonian poison frog (*Dendrobates ventrimaculatus*); 4. Golden dart-poison frog (*Phyllobates terribilis*); 5. Brazilian poison frog (*Dendrobates vanzolinii*); 6. Harlequin poison frog (*Dendrobates histrionicus*); 7. Strawberry poison frog (*Dendrobates pumilio*); 8. Brazil nut poison frog (*Dendrobates castaneoticus*); 9. Imitating poison frog (*Dendrobates imitator*). (Illustration by Joseph E. Trumpey)





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1. Lynch's Cochran frog (*Cochranella ignota*); 2. Atrato glass frog (*Hyalinobatrachium aureoguttatum*); 3. Pichincha glass frog (*Centrolene heloderma*); 4. La Palma glass frog (*Hyalinobatrachium valerioi*); 5. Nicaragua glass frog (*Centrolene prosoblepon*); 6. Spotted Cochran frog (*Cochranella ocellata*); 7. Ecuador Cochran frog (*Cochranella griffithsi*); 8. Pacific giant glass frog (*Centrolene geckoideum*); 9. Fleischmann's glass frog (*Hyalinobatrachium fleischmanni*). (Illustration by Emily Damstra)



1. Yucatecan shovel-headed treefrog (*Tripurion petasatus*); 2. White-lined treefrog (*Phyllomedusa vaillantii*); 3. Manaus long-legged treefrog (*Osteocephalus taurinus*); 4. Rocket frog (*Litoria nasuta*); 5. Green treefrog (*Litoria caerulea*); 6. Cuban treefrog (*Osteopilus septentrionalis*); 7. Chorus frog (*Pseudacris triseriata*); 8. Amazonian skittering frog (*Scaphyria goinorum*); 9. Hartweg's spike-thumb frog (*Plectrohyla hartwegi*); 10. Paradox frog (*Pseudis paradoxa*). (Illustration by Brian Cressman)



1. Cope's gray treefrog (*Hyla chrysoscelis*); 2. European treefrog (*Hyla arborea*); 3. Spiny-headed treefrog (*Anoteca spinosa*); 4. Sumaco horned treefrog (*Hemiphyscus proboscideus*); 5. Northern cricket frog (*Acris crepitans*); 6. Water-holding frog (*Cyclorana platycephala*); 7. Hourglass treefrog (*Hyla leucophyllata*); 8. Rosenberg's treefrog (*Hyla rosenbergi*); 9. Riobamba marsupial frog (*Gastrotheca riobambae*); 10. Red-eyed treefrog (*Agalychnis callidryas*). (Illustration by Amanda Humphrey)



1. Spiny-armed frog (*Paa liebigi*); 2. Corrugated water frog (*Lankanectes corrugatus*); 3. Nilgiri tropical frog (*Micrixalus phyllophilus*); 4. Penang Taylor's frog (*Taylorana hascheana*); 5. Micro frog (*Microbatrachella capensis*); 6. Indian tiger frog (*Hoplobatrachus tigerinus*); 7. Faro webbed frog (*Discodeles opisthodon*); 8. Malabar night frog (*Nyctibatrachus major*); 9. Goliath frog (*Conraua goliath*). (Illustration by Jacqueline Mahannah)



1. Pointed-tongue floating frog (*Occidozyga lima*); 2. Sanderson's hook frog (*Phrynodon sandersoni*); 3. Sharp-nosed grass frog (*Ptychadena oxyrhynchus*); 4. Beddome's Indian frog (*Indirana beddomii*); 5. Bullfrog (*Rana catesbeiana*); 6. Roesel's green frog (*Rana esculenta*); 7. Beautiful torrent frog (*Amolops formosus*); 8. African bullfrog (*Pyxicephalus adspersus*); 9. Brown frog (*Rana temporaria*). (Illustration by Jacqueline Mahannah)



1. Crowned forest frog (*Astylosternus diadematus*); 2. Common squeaker (*Arthroleptis stenodactylus*); 3. Tanner's litter frog (*Arthroleptis tanneri*); 4. Hairy frog (*Trichobatrachus robustus*); 5. Bush squeaker (*Arthroleptis wahlbergii*); 6. Ugandan squeaker (*Schoutedenella poecilonotus*). (Illustration by Wendy Baker)



1



2

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1. Spotted snout-burrower (*Hemissus guttatus*); 2. Marbled snout-burrower (*Hemissus sudanensis*). (Illustration by Gillian Harris)



1. Female Seychelles treefrog (*Tachycnemis seychellensis*); 2. Betsileo reed frog (*Heterixalus betsileo*); 3. Big-eared forest treefrog (*Leptopelis macrotis*); 4. Painted reed frog (*Hyperolius viridiflavus*, subspecies *H. v. viridiflavus*); 5. Toad-like treefrog (*Leptopelis bufonides*); 6. African wart frog (*Acanthixalus spinosus*); 7. Sharp-nosed reed frog (*Hyperolius nasutus*); 8. Greater leaf-folding frog (*Afrixalus forasinii*); 9. Bubbling kassina (*Kassina senegalensis*). (Illustration by Emily Damstra)





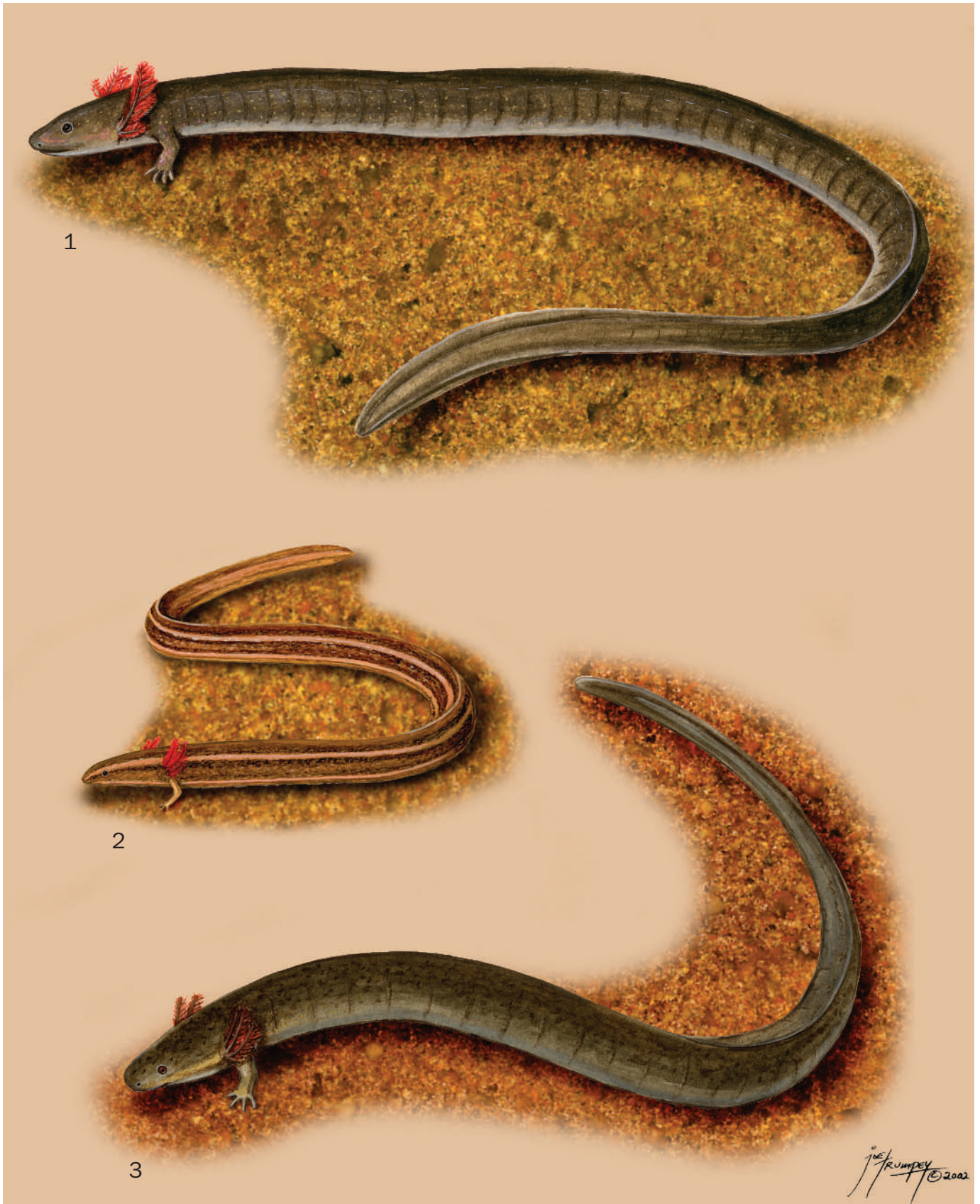
1. Forest bright-eyed frog (*Boophis erythrodactylus*); 2. Buerger's frog (*Buergeria buergeri*); 3. Kinugasa flying frog (*Rhacophorus arboreus*); 4. Luzon bubble-nest frog (*Philautus surdus*); 5. Eiffinger's Asian treefrog (*Chirixalus eiffingeri*); 6. Painted Indonesian treefrog (*Nyctixalus pictus*); 7. Gray treefrog (*Chiromantis xerampelina*); 8. Betsileo golden frog (*Mantella betsileo*); 9. Free Madagascar frog (*Mantidactylus liber*). (Illustration by Brian Cressman)



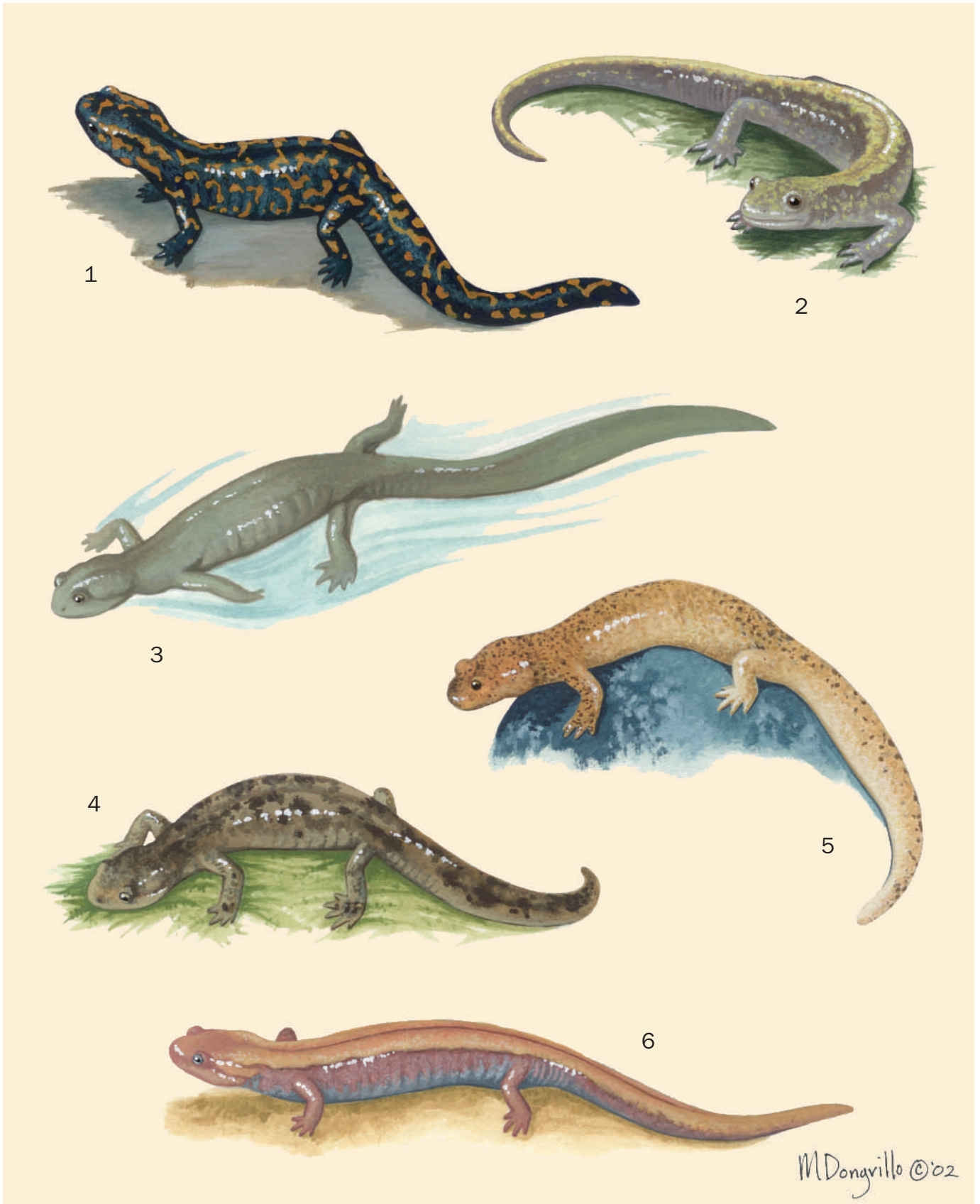
1. Horned land frog (*Sphenophryne cornuta*); 2. Wilhelm rainforest frog (*Cophixalus riparius*); 3. Boulenger's climbing frog (*Anodonthyla boulengerii*); 4. Fry's whistling frog (*Austrochaperina fryi*); 5. New Guinea bush frog (*Asterophrys turpicola*); 6. Bushveld rain frog (*Breviceps adspersus*); 7. Saffron-bellied frog (*Chaperina fusca*); 8. Boulenger's callulops frog (*Callulops robustus*). (Illustration by Brian Cressman)



1. Timbo disc frog (*Synapturanus salseri*); 2. Ornate narrow-mouthed frog (*Microhyla ornata*); 3. Eastern narrow-mouthed toad (*Gastrophryne carolinensis*); 4. Pyburn's pancake frog (*Otophryne pyburni*); 5. Banded rubber frog (*Phrynomantis bifasciatus*); 6. Malaysian painted frog (*Kaloula pulchra*); 7. Bolivian bleating frog (*Hamptophryne boliviana*). (Illustration by Brian Cressman)



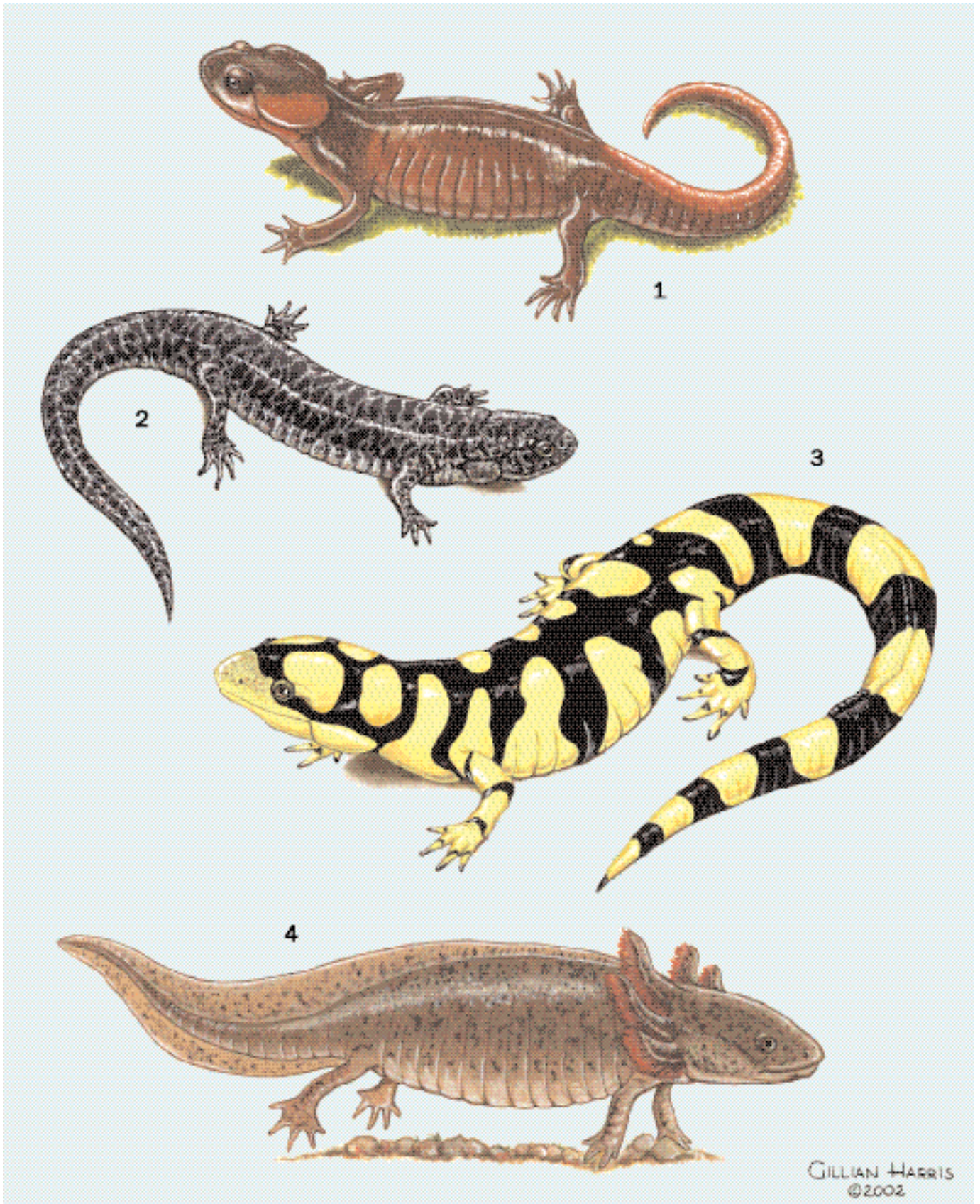
1. Greater siren (*Siren lacertina*); 2. Northern dwarf siren (*Pseudobranchius striatus*); 3. Lesser siren (*Siren intermedia*). (Illustration by Joseph E. Trumpey)



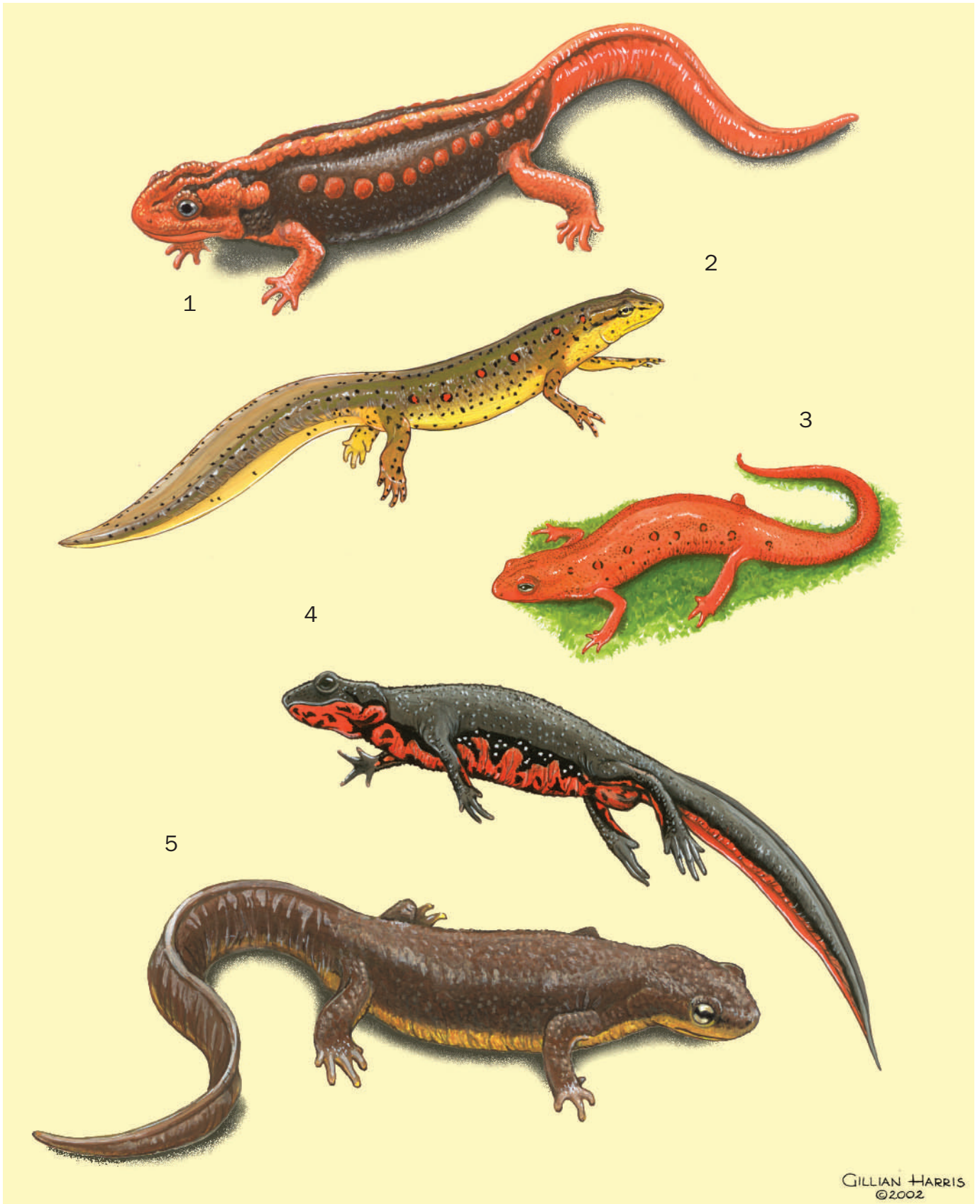
1. Japanese marbled salamander (*Hynobius naevius*); 2. Japanese clawed salamander (*Onychodactylus japonicus*); 3. Semirechensk salamander (*Ranodon sibiricus*); 4. Hokkaido salamander (*Hynobius retardatus*); 5. Tibetan stream salamander (*Batrachuperus tibetanus*); 6. Siberian salamander (*Salamandrella keyserlingii*). (Illustration by Marguette Dongvillo)



1. Japanese giant salamander (*Andrias japonicus*); 2. Hellbender (*Cryptobranchus alleganiensis*); 3. Chinese giant salamander (*Andrias davidianus*). (Illustration by Brian Cressman)



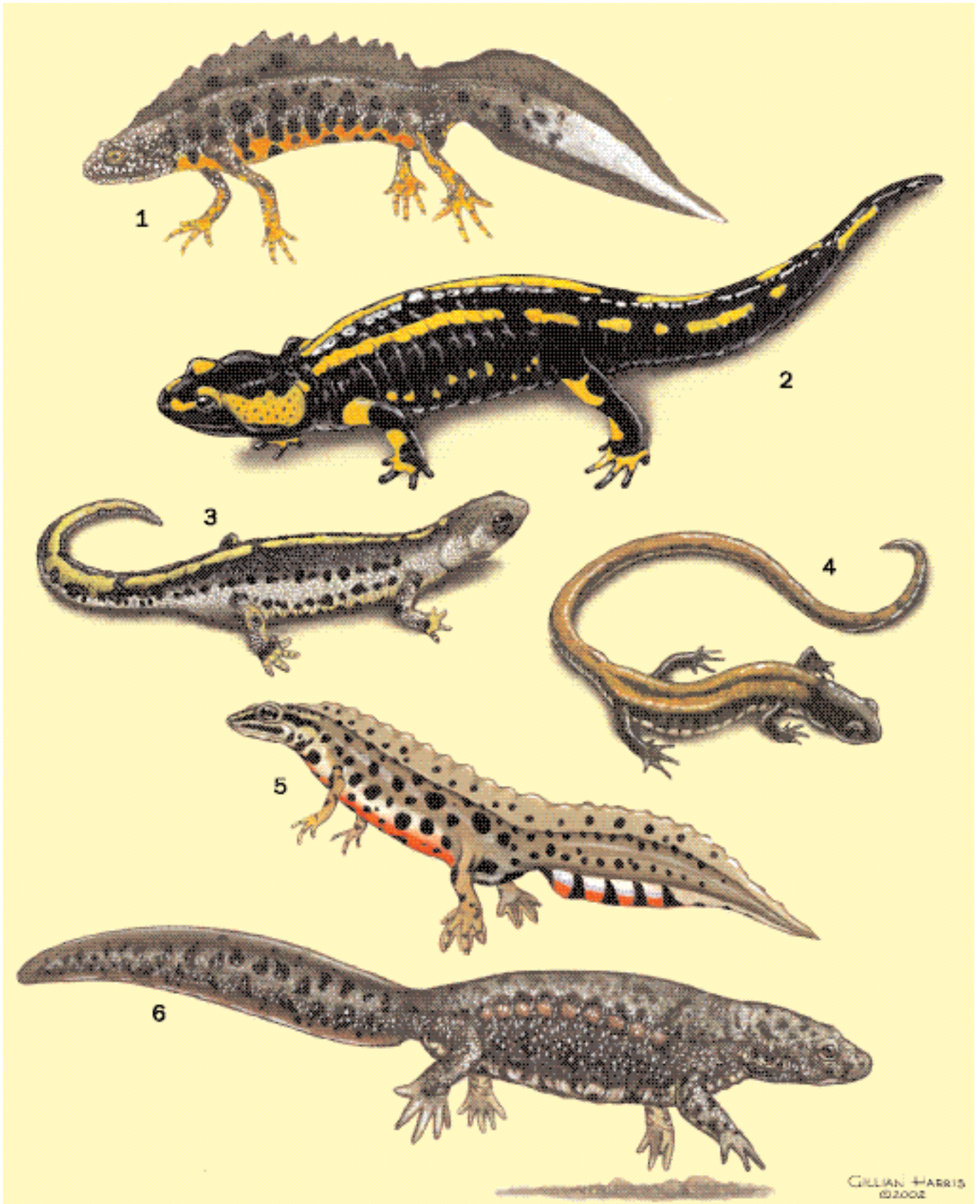
1. Northwestern salamander (*Ambystoma gracile*); 2. Flatwoods salamander (*Ambystoma cingulatum*); 3. Tiger salamander (*Ambystoma tigrinum*); 4. Mexican axolotl (*Ambystoma mexicanum*). (Illustration by Gillian Harris)



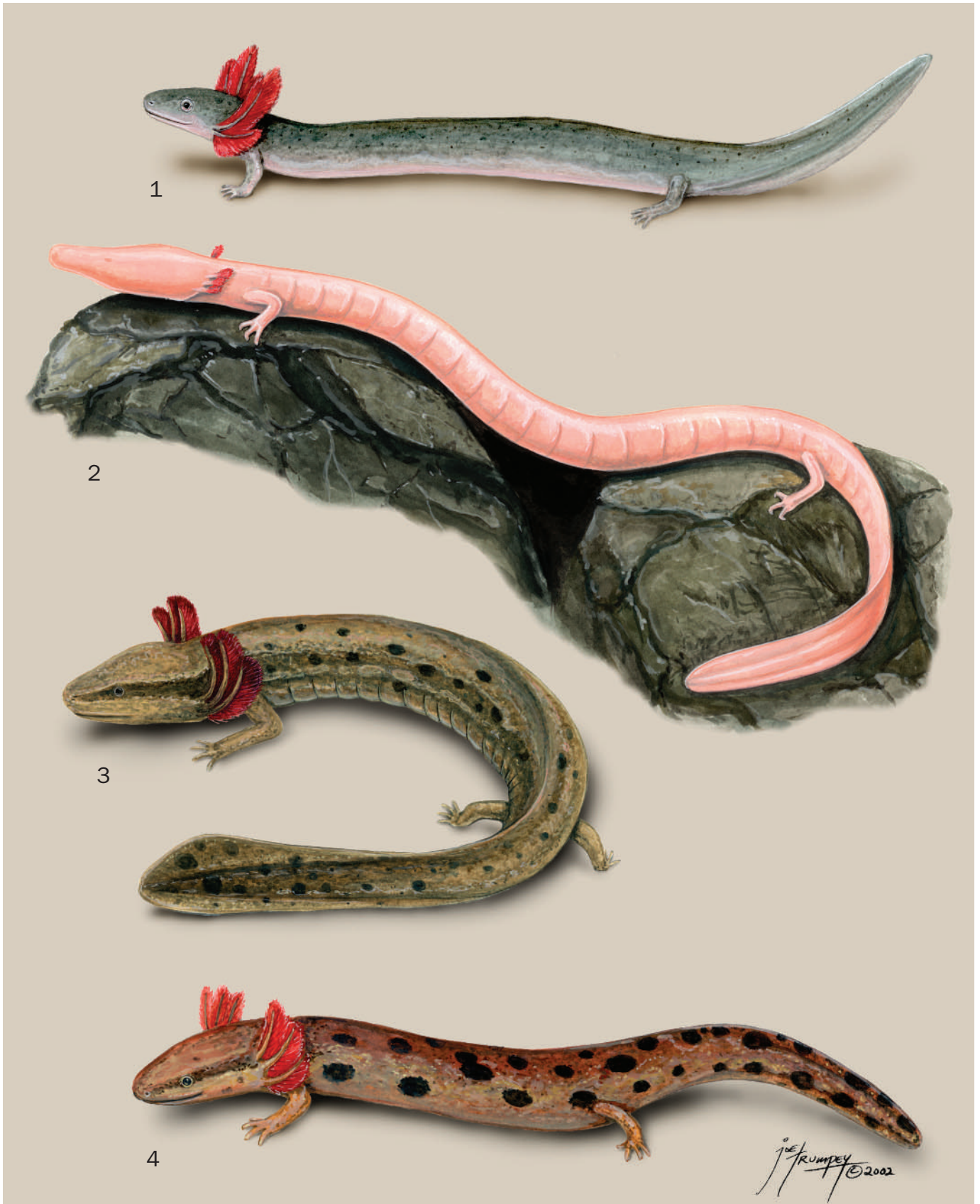
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1. Mandarin salamander (*Tylotriton verrucosus*); 2. Eastern newt (*Notophthalmus viridescens*); 3. Red eft (juvenile form of eastern newt); 4. Japanese fire-bellied newt (*Cynops pyrrhogaster*); 5. California newt (*Taricha torosa*). (Illustration by Gillian Harris)





1. Great crested newt (*Triturus cristatus*); 2. European fire salamander (*Salamandra salamandra*); 3. Pyrenean brook salamander (*Euproctus asper*); 4. Golden-striped salamander (*Chioglossa lusitanica*); 5. Smooth (common) newt (*Triturus vulgaris*); 6. Spanish sharp-ribbed newt (*Pleurodeles waltl*). (Illustration by Gillian Harris)



1. Dwarf waterdog (*Necturus punctatus*); 2. Olm (*Proteus anguinus*); 3. Mudpuppy (*Necturus maculosus*); 4. Neuse River waterdog (*Necturus lewisi*). (Illustration by Joseph E. Trumpey)



1. Talamancan web-footed salamander (*Bolitoglossa pesrubra*); 2. Mt. Lyell salamander (*Hydromantes platycephalus*); 3. Two-lined salamander (*Eurycea bislineata*); 4. Bell's salamander (*Pseudoeurycea bellii*); 5. Female ensatina (*Ensatina eschscholtzii*); 6. Red Hills salamander (*Phaeognathus hubrichti*); 7. Red-backed salamander (*Plethodon cinereus*); 8. Dusky salamander (*Desmognathus fuscus*). (Illustration by Gillian Harris)

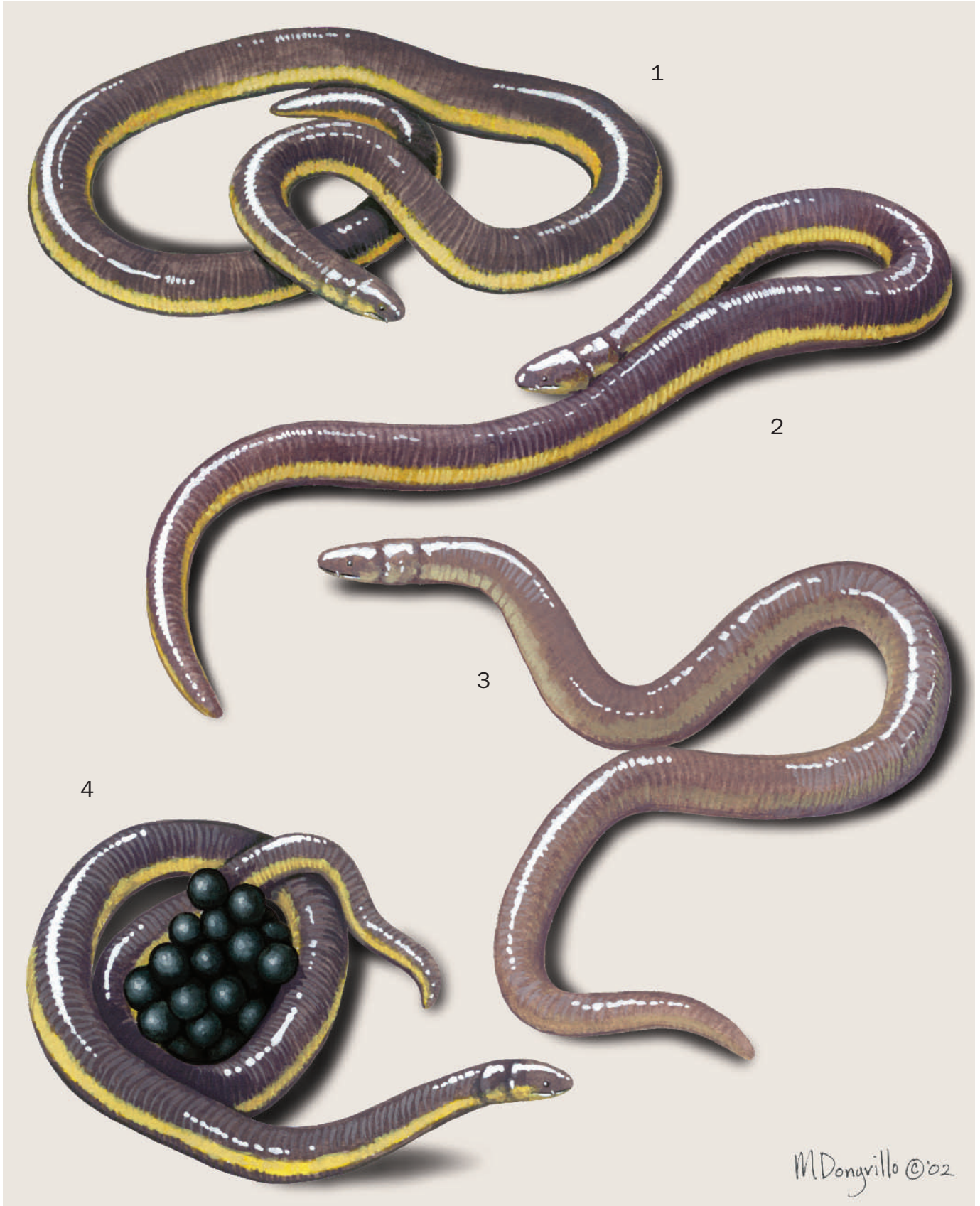


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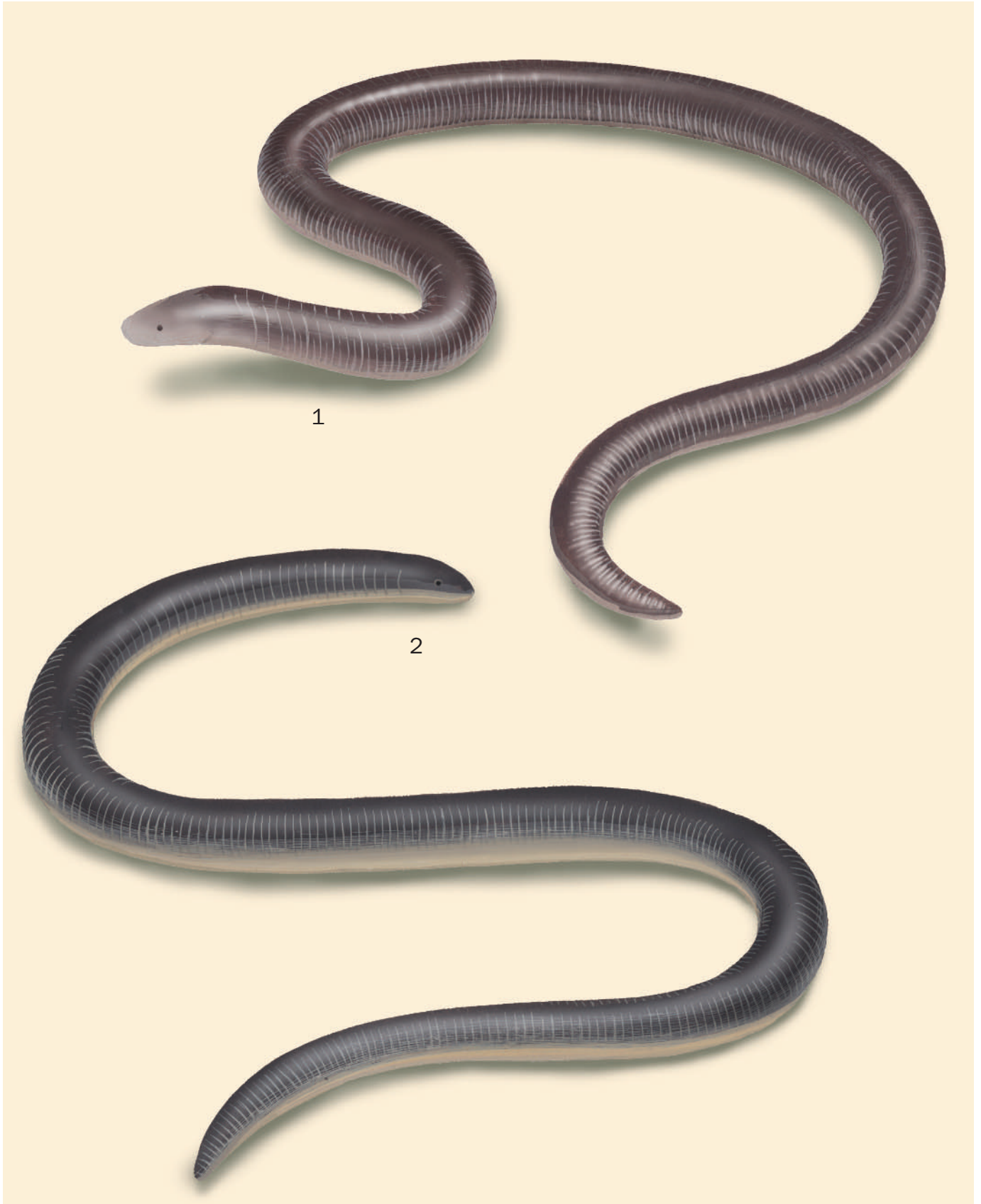
1. Italian cave salamander (*Hydromantes italicus*); 2. Arboreal salamander (*Aneides lugubris*); 3. Costa Rican worm salamander (*Oedipina unifornis*); 4. Four-toed salamander (*Hemidactylium scutatum*); 5. Texas blind salamander (*Eurycea rathbuni*); 6. Golden thorius (*Thorius aureus*); 7. Inyo Mountains salamander (*Batrachoseps campii*). (Illustration by Gillian Harris)



1. One-toed amphiuma (*Amphiuma pholeter*); 2. Two-toed amphiuma (*Amphiuma means*); 3. Three-toed amphiuma (*Amphiuma tridactylum*). (Illustration by Dan Erickson)



1. Ceylon caecilian (*Ichthyophis glutinosus*); 2. Bannan caecilian (*Ichthyophis bannanicus*); 3. Pattipola caecilian (*Ichthyophis orthoplicatus*); 4. Koh Tao Island caecilian (*Ichthyophis kohtaoensis*). (Illustration by Marguette Dongvillo)



1. Kannan caecilian (*Uraeotyphlus narayani*); 2. Red caecilian (*Uraeotyphlus oxyurus*). (Illustration by John Megahan)



1. Frigate Island caecilian (*Hypogeophis rostratus*); 2. Cayenne caecilian (*Typhlonectes compressicauda*); 3. Mexican caecilian (*Dermophis mexicanus*). (Illustration by Brian Cressman)



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Volume 7  
Reptiles

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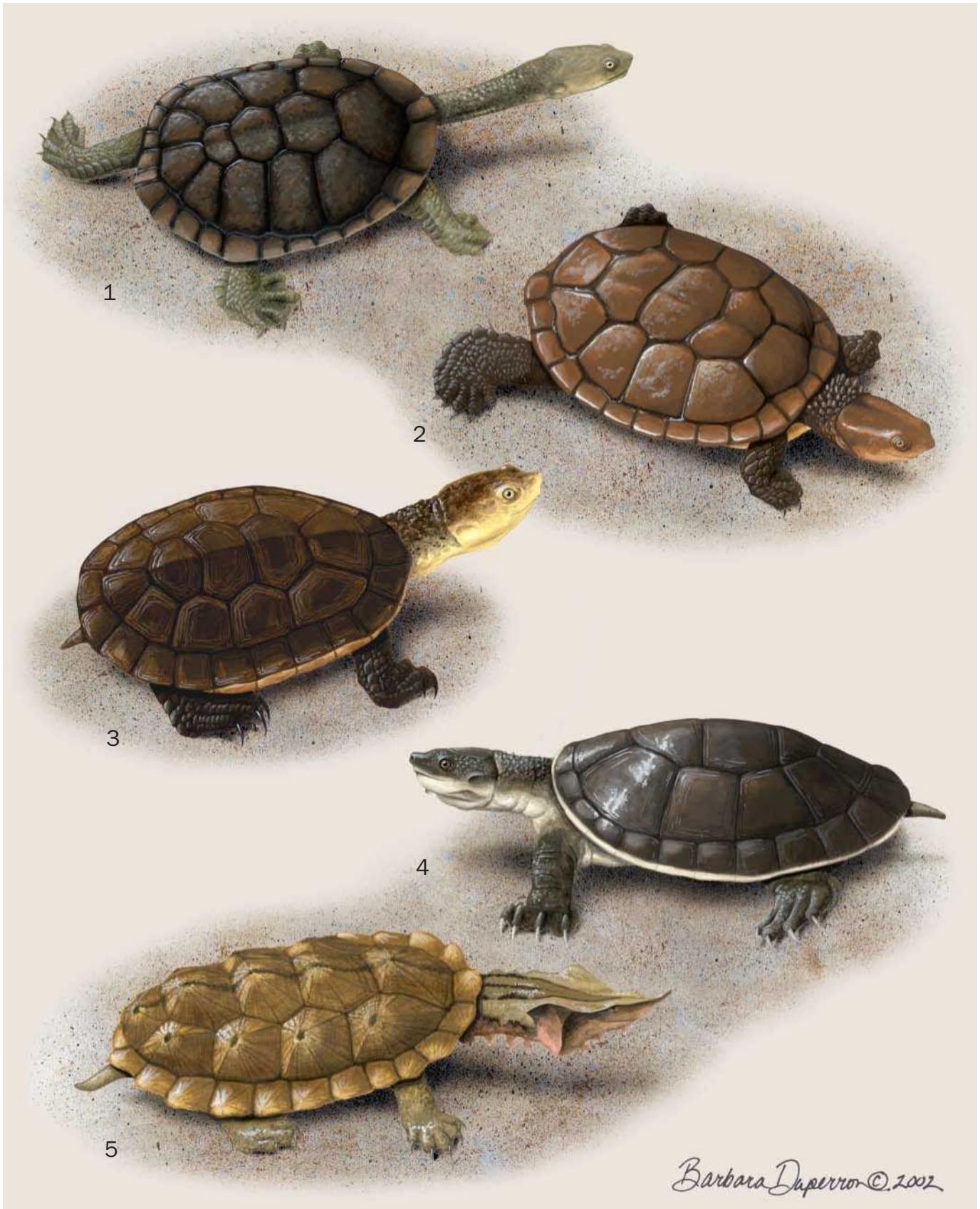


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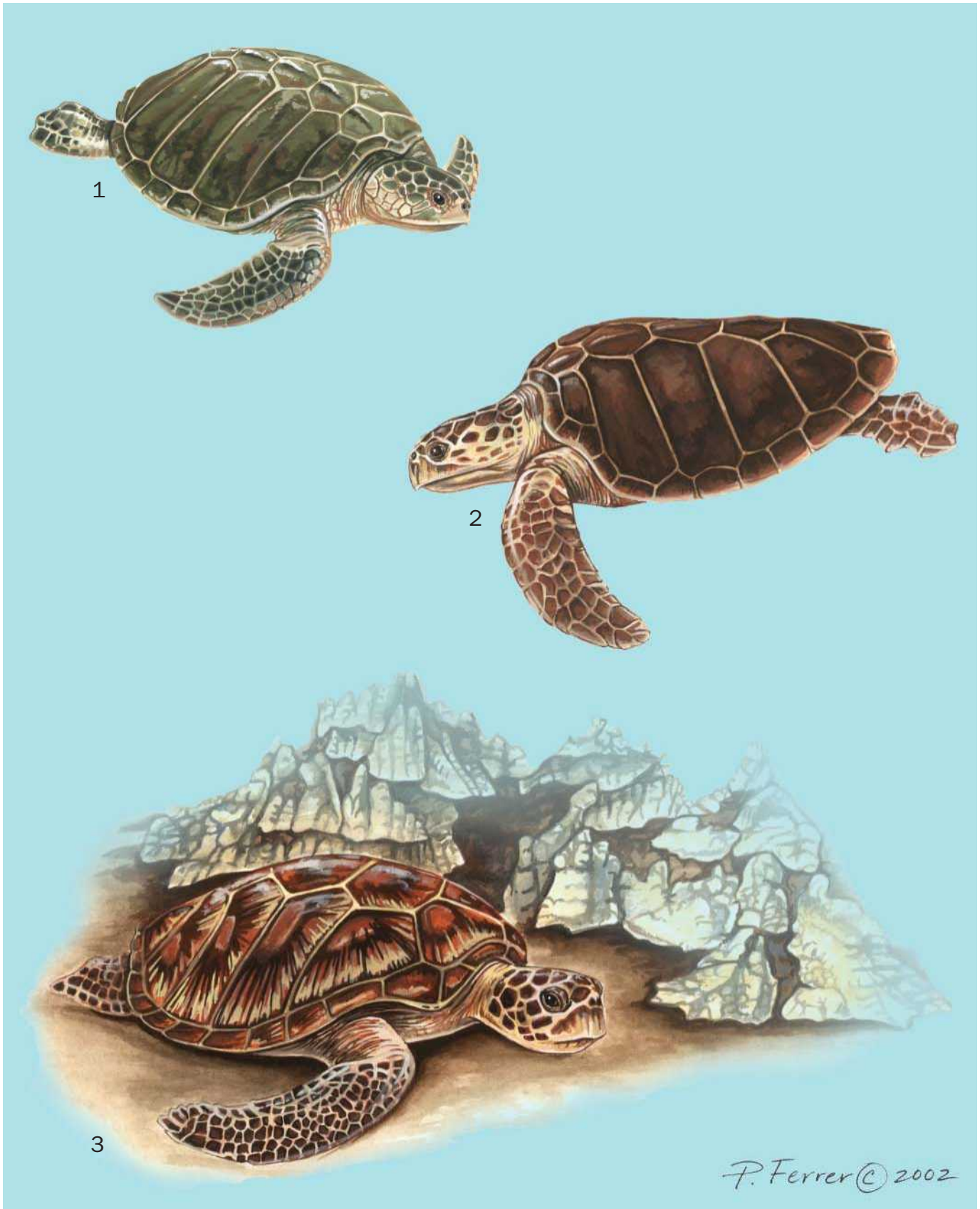
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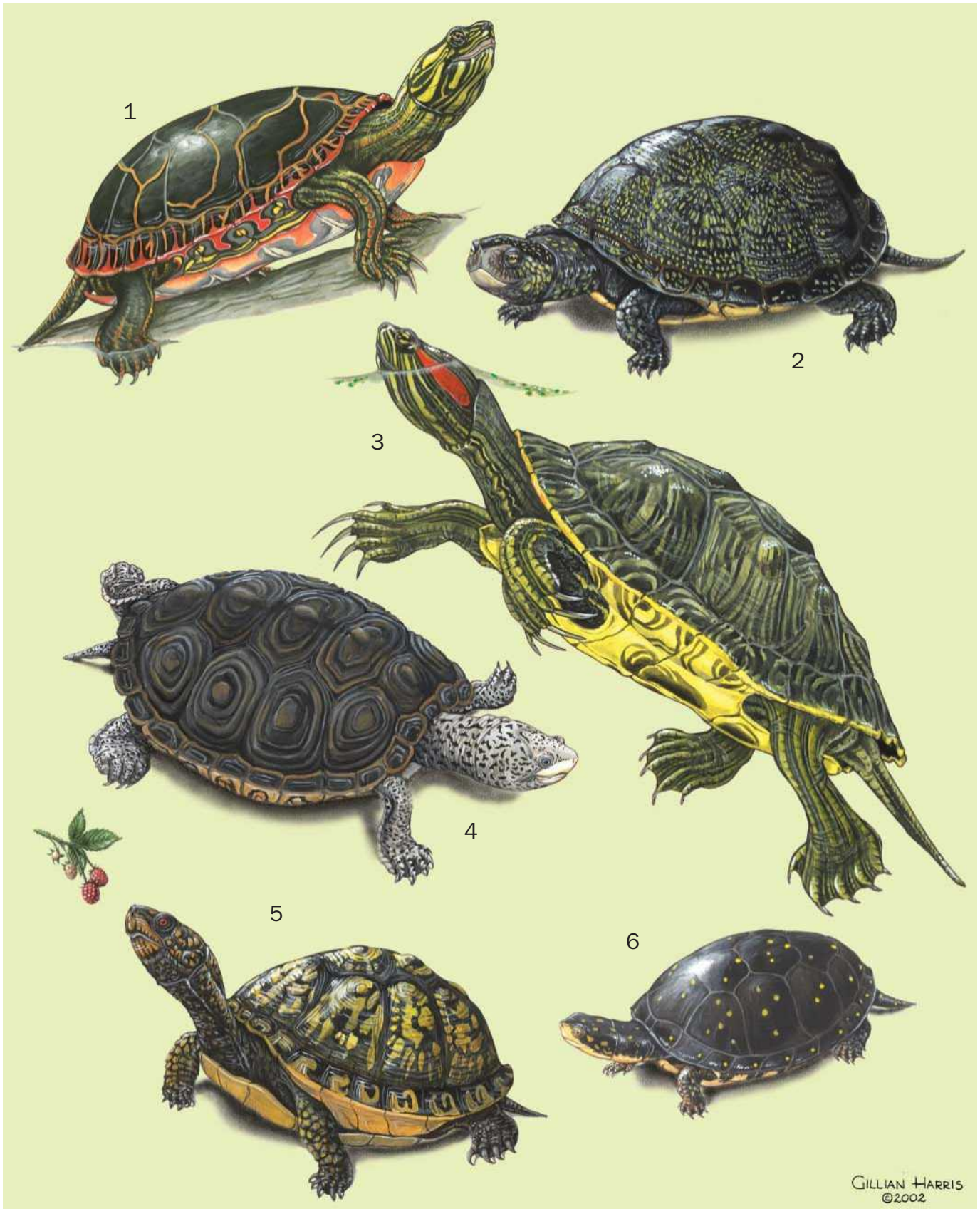
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1. Kemp's ridley turtle (*Lepidochelys kempi*); 2. Loggerhead turtle (*Caretta caretta*); 3. Green sea turtle (*Chelonia mydas*). (Illustration by Patricia Ferrer)



1. Painted turtle (*Chrysemys picta*); 2. European pond turtle (*Emys orbicularis*); 3. Pond slider (*Trachemys scripta*); 4. Female diamondback terrapin (*Malaclemys terrapin*); 5. Eastern box turtle (*Terrapene carolina*); 6. Female spotted turtle (*Clemmys guttata*). (Illustration by Gillian Harris)

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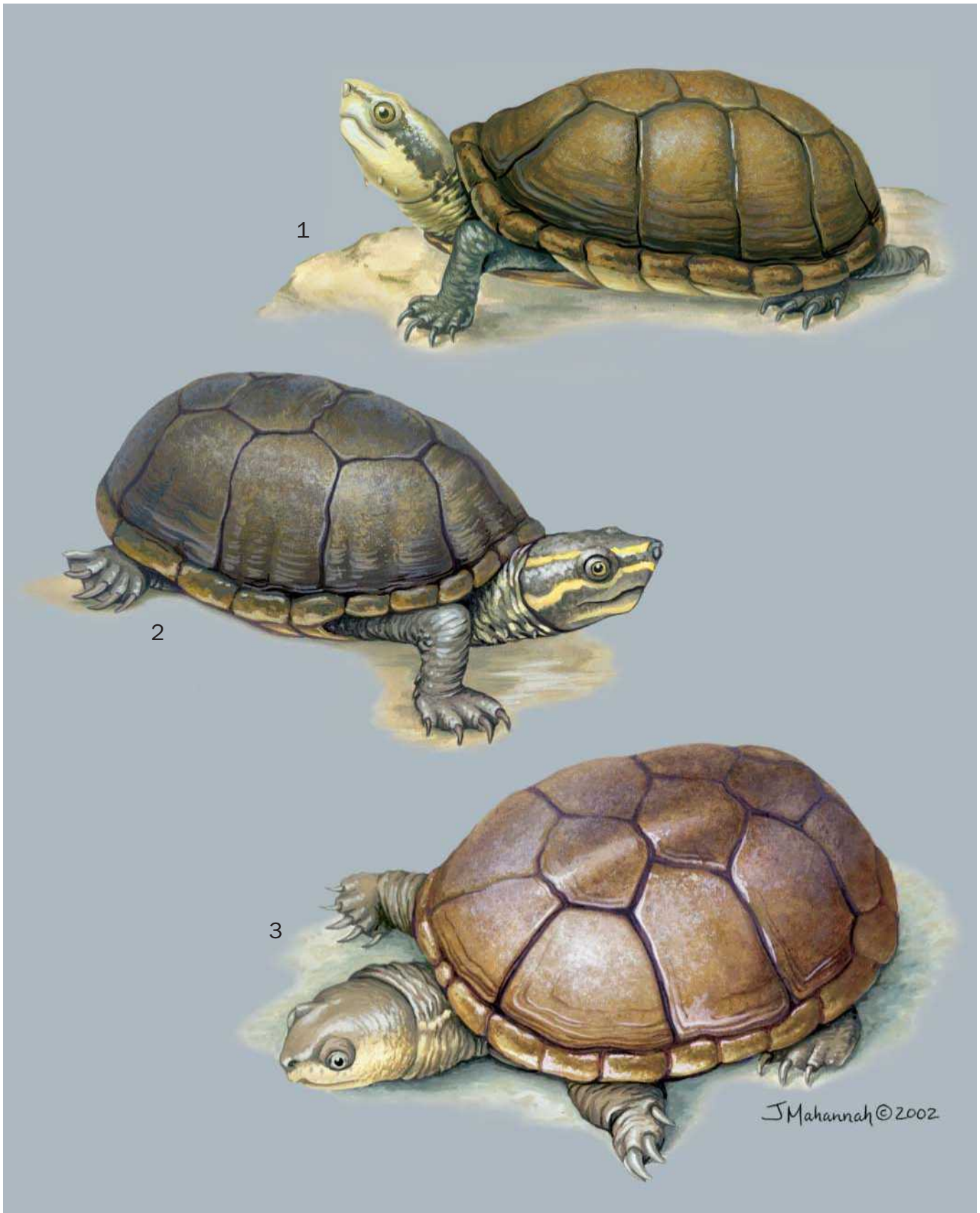


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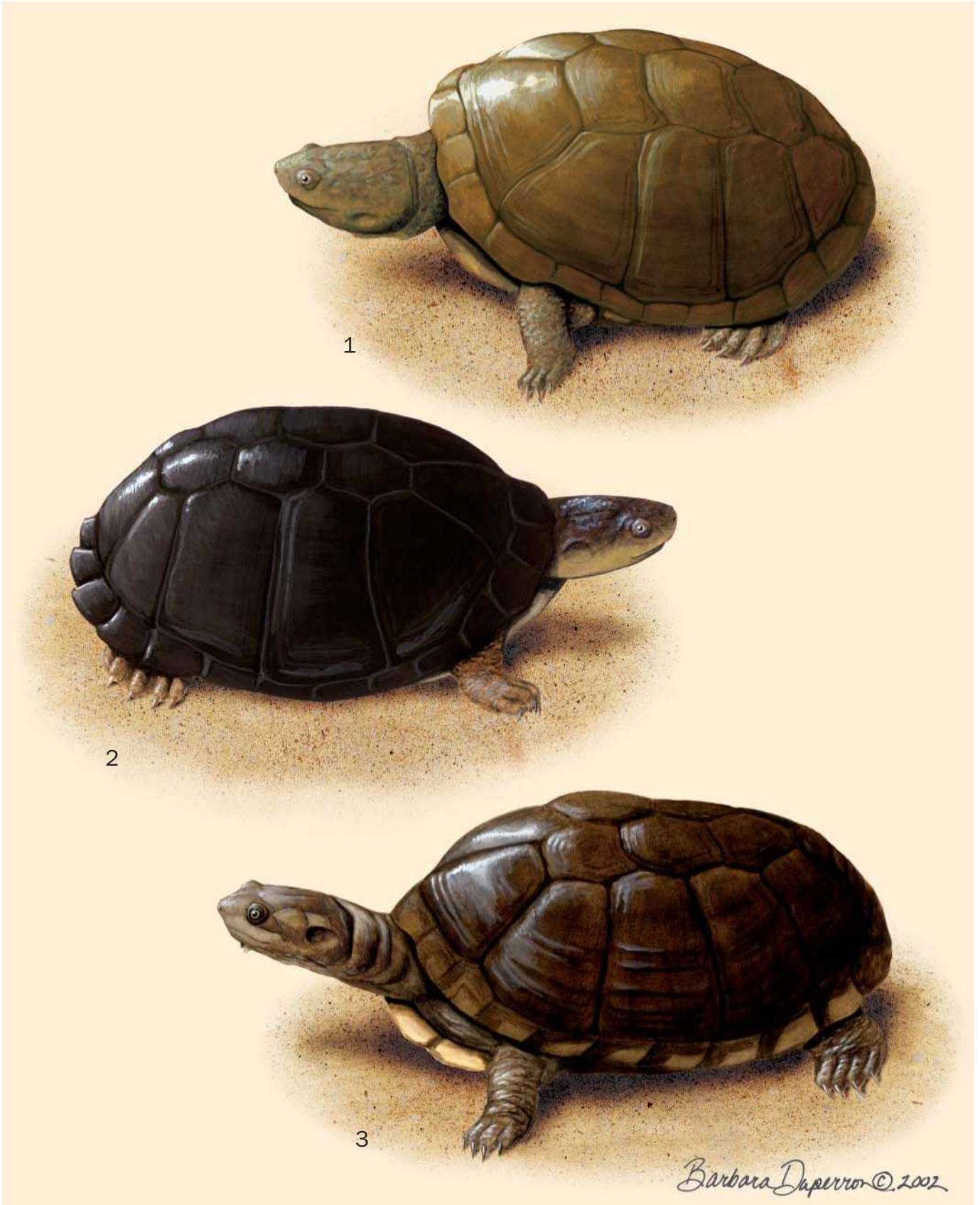


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1. Yellow-margined box turtle (*Cistoclemmys flavomarginata*); 2. Painted terrapin (*Callagur borneoensis*); 3. Chinese stripe-necked turtle (*Ocadia sinensis*). (Illustration by Wendy Baker)

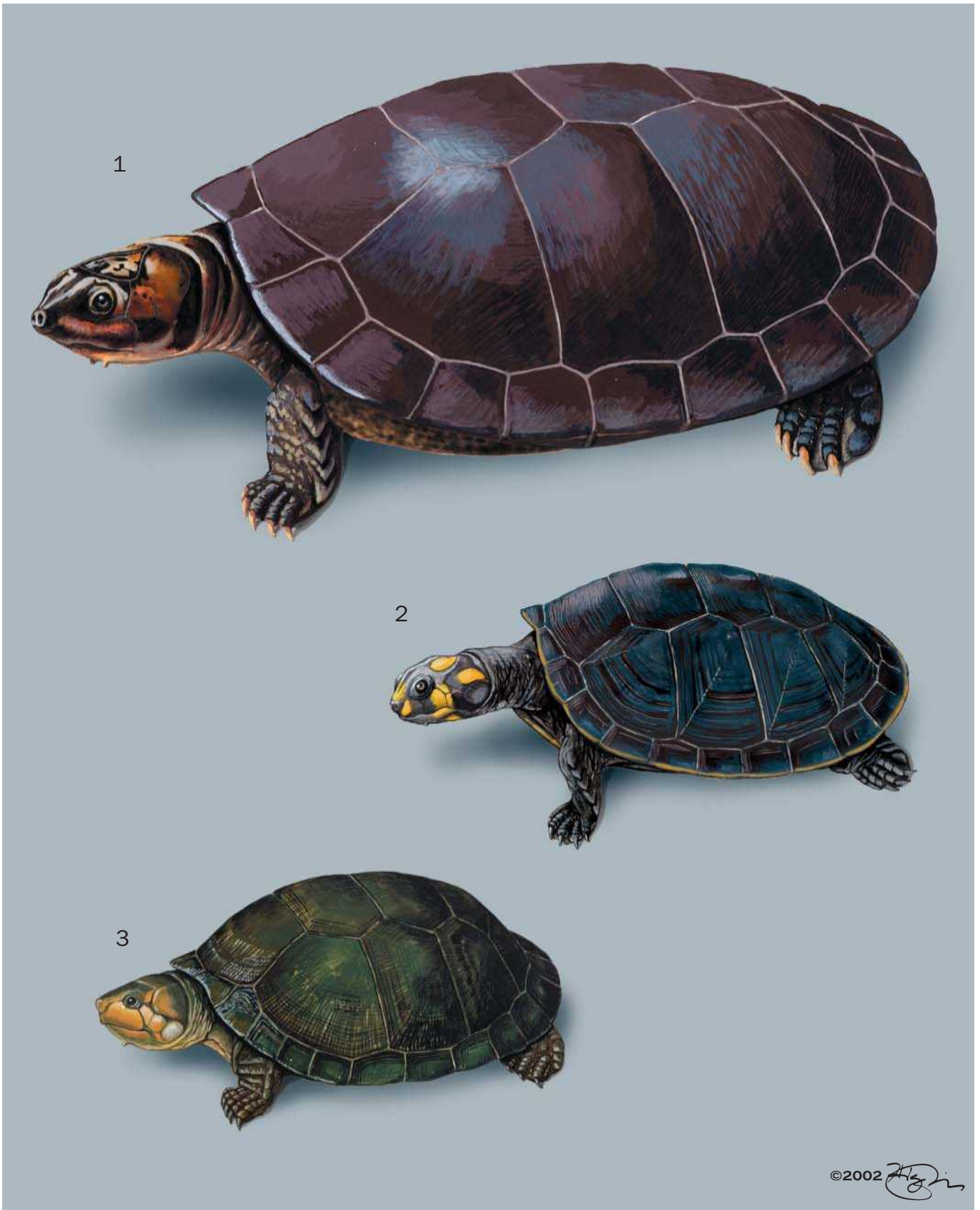


1. White-lipped mud turtle (*Kinosternon leucostomum*); 2. Stinkpot (*Sternotherus odoratus*); 3. Yellow mud turtle (*Kinosternon flavescens*). (Illustration by Jacqueline Mahannah)

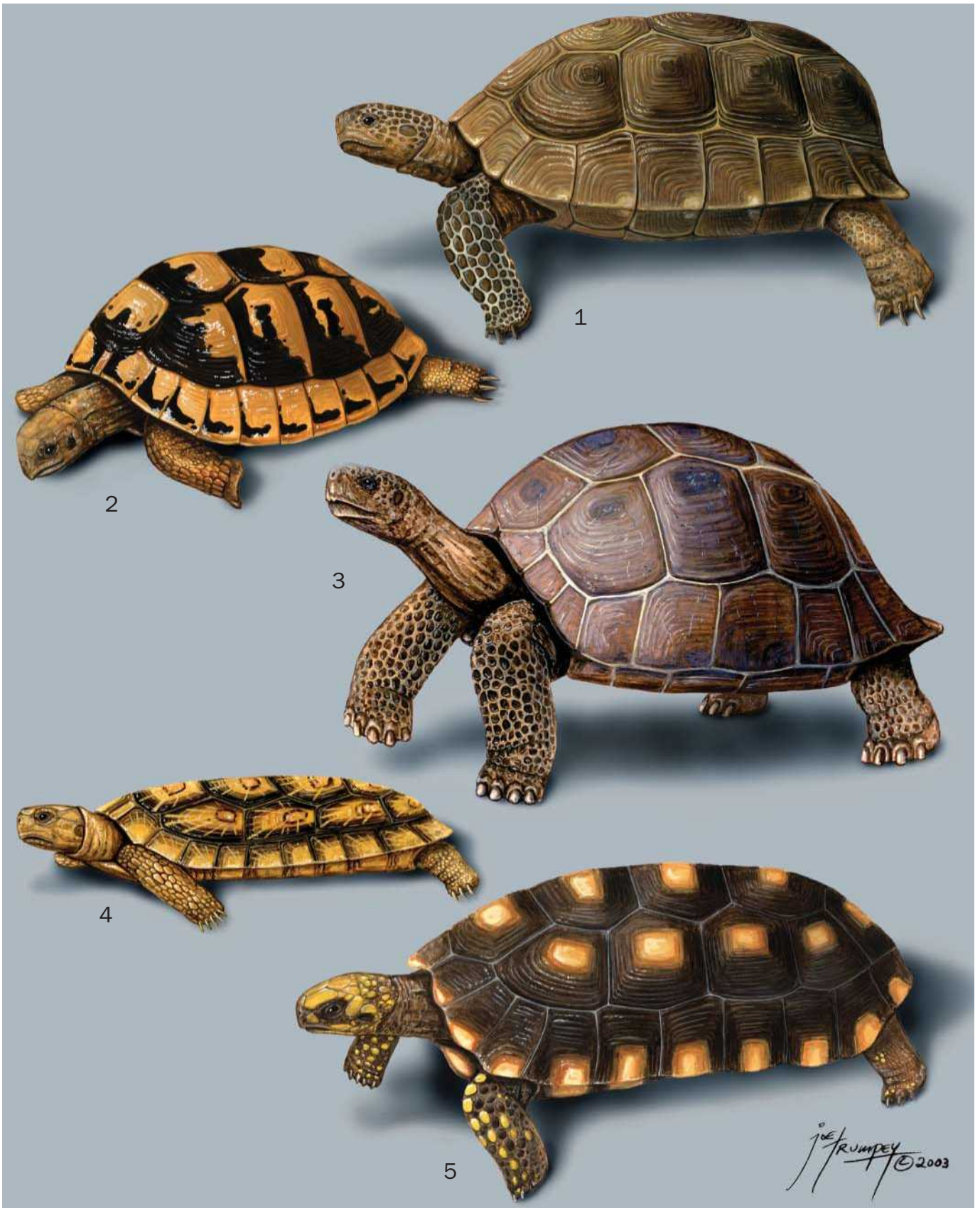


1. Helmeted turtle (*Pelomedusa subrufa*); 2. East African serrated mud turtle (*Pelusios sinuatus*); 3. East African black mud turtle (*Pelusios subniger*). (Illustration by Barbara Duperron)

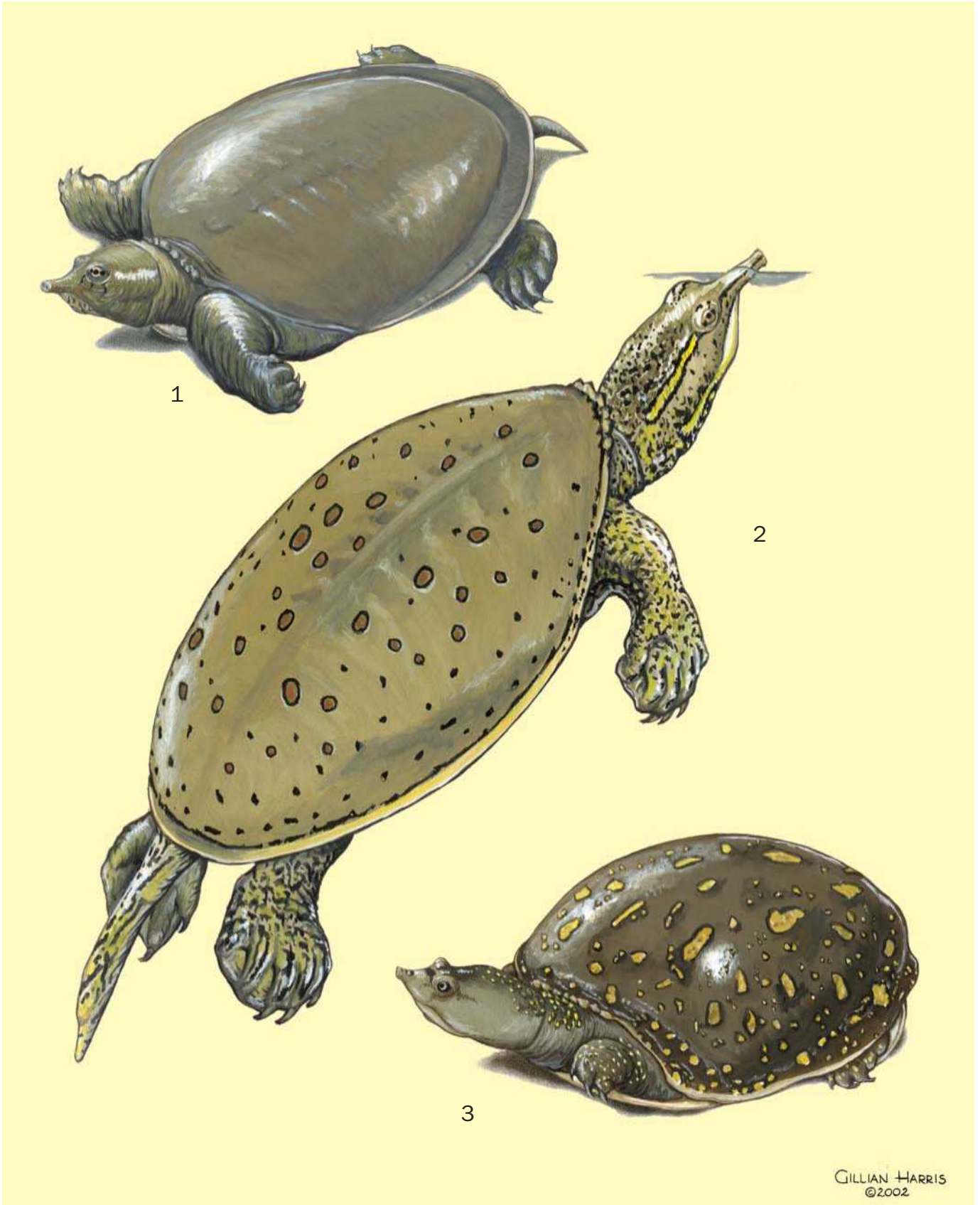




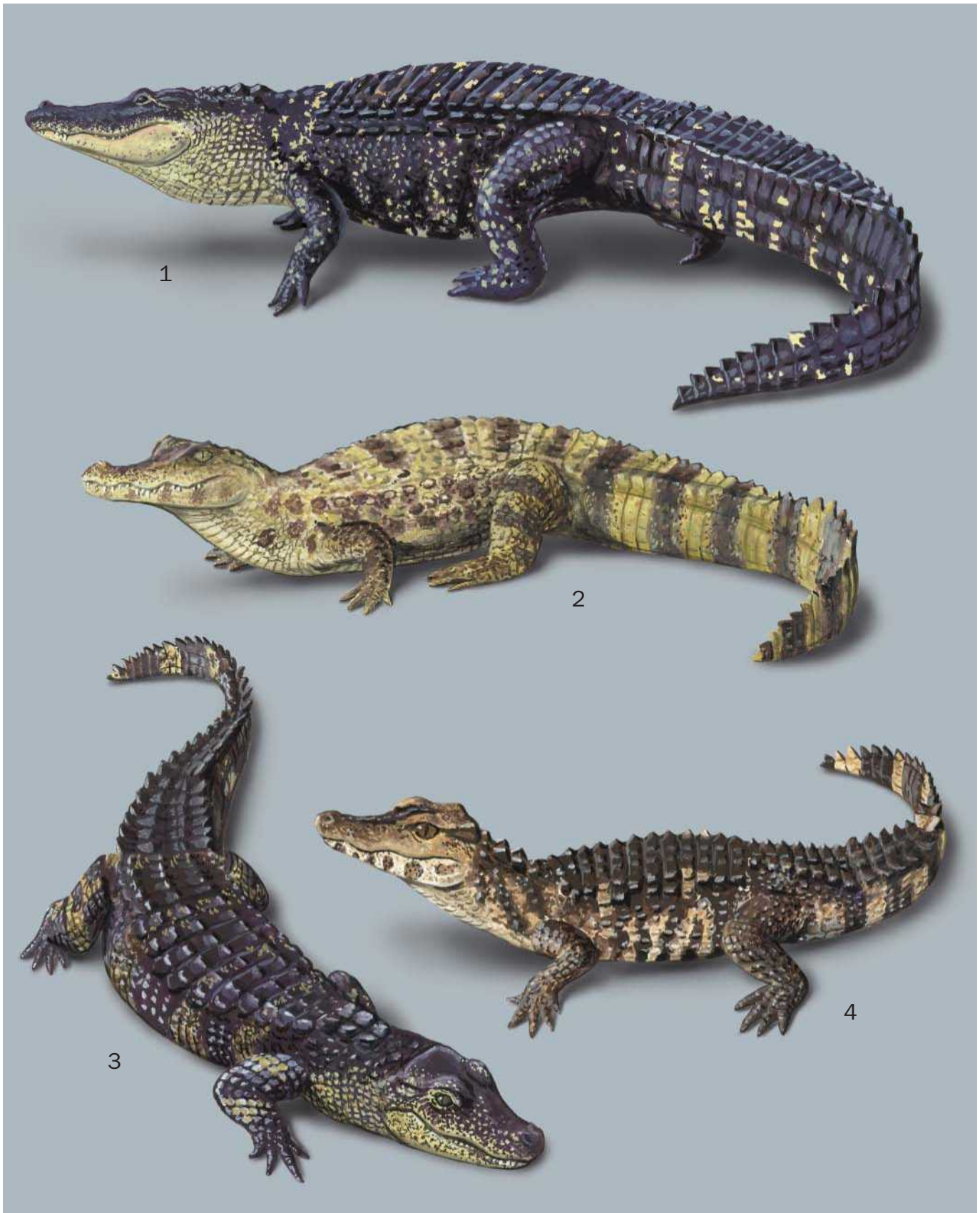
1. South American river turtle (*Podocnemis expansa*); 2. Yellow-spotted river turtle (*Podocnemis unifilis*); 3. Madagascan big-headed turtle (*Erymnochelys madagascariensis*). (Illustration by Jonathan Higgins)



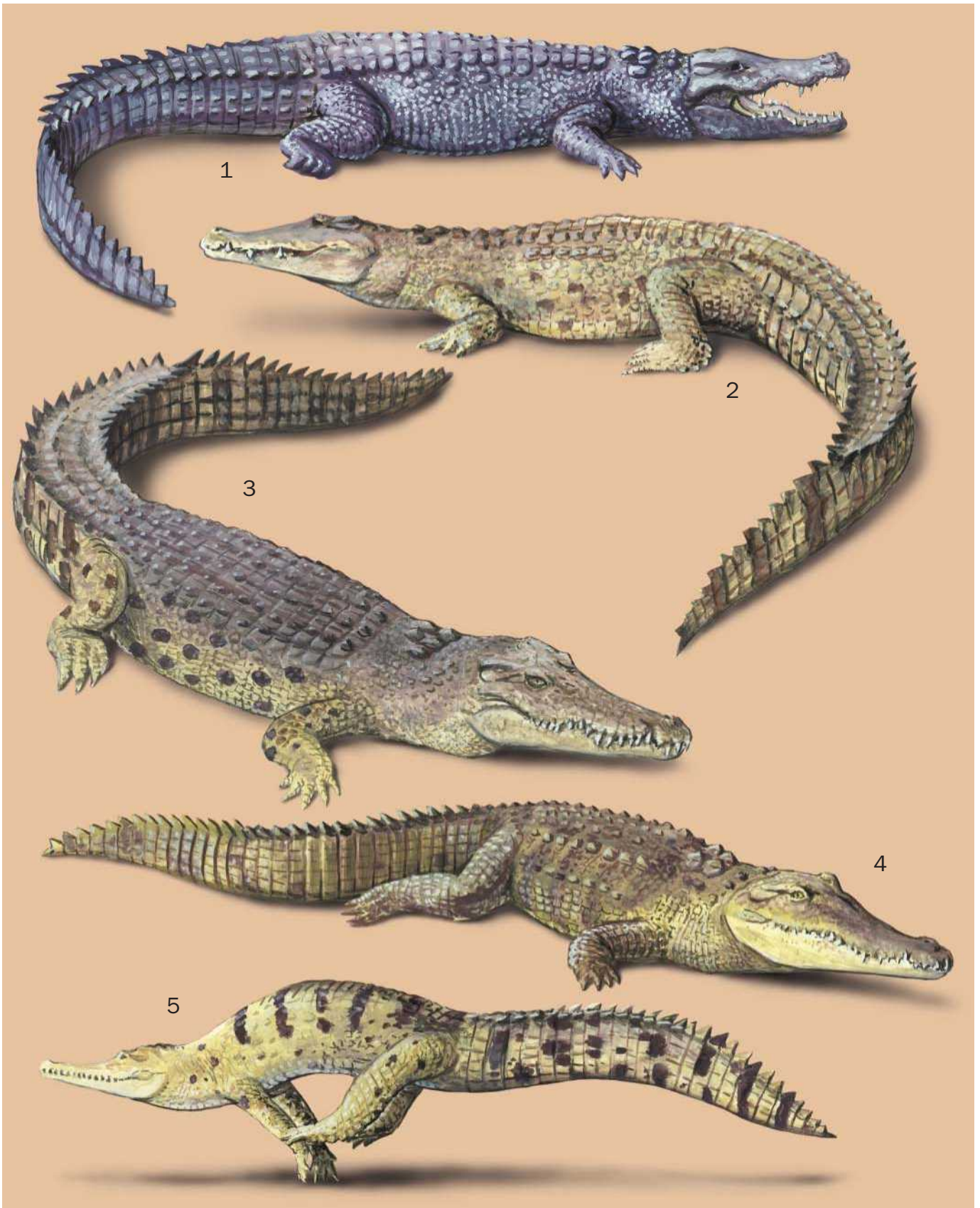
1. Desert tortoise (*Gopherus agassizii*); 2. Hermann's tortoise (*Testudo hermanni*); 3. Galápagos tortoise (*Geochelone nigra*); 4. Pancake tortoise (*Malacochersus tornieri*); 5. South American yellow-footed tortoise (*Geochelone denticulata*). (Illustration by Joseph E. Trumpey)



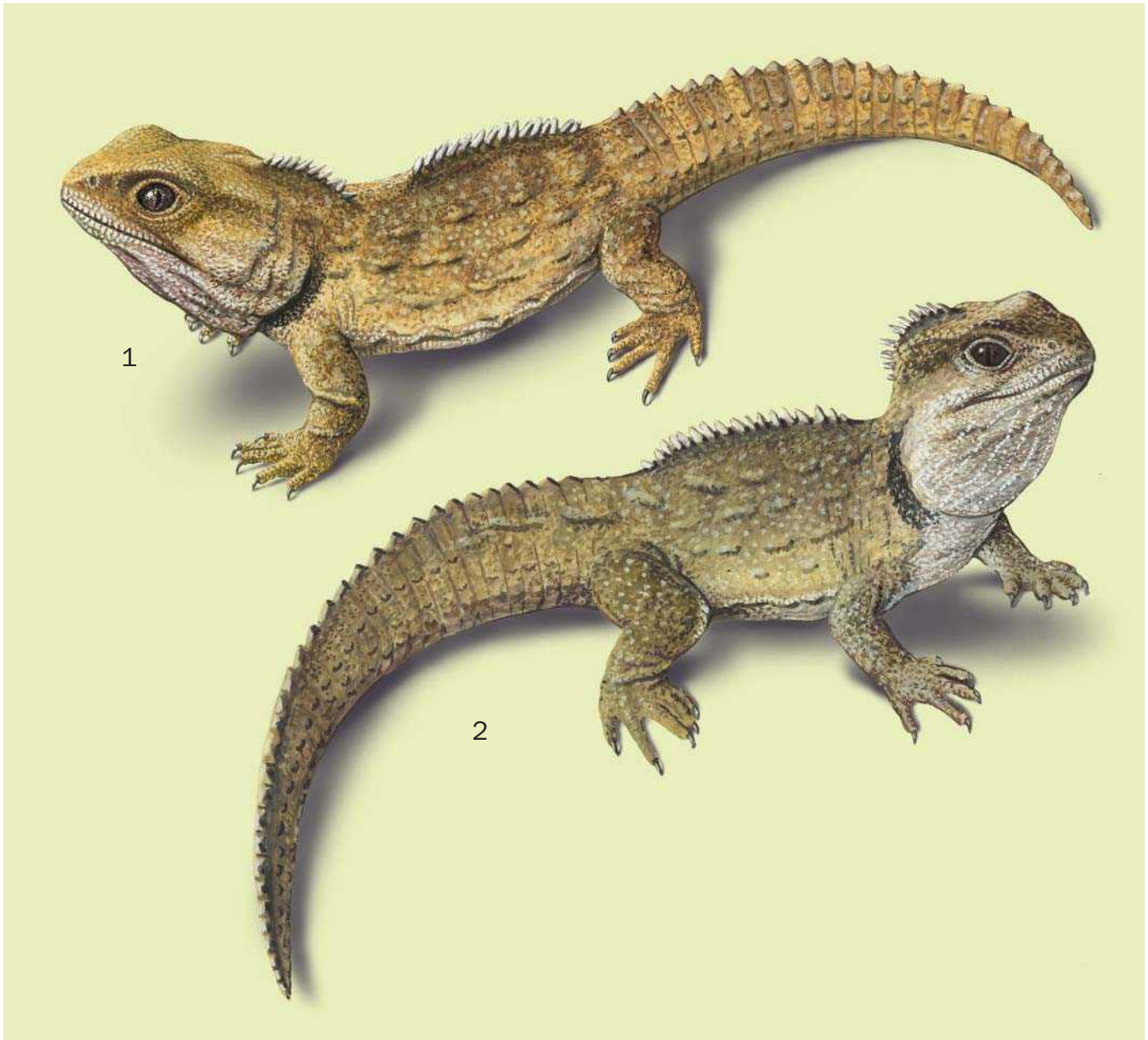
1. Female Chinese softshell turtle (*Pelodiscus sinensis*); 2. Spiny softshell (*Apalone spinifera*); 3. Indian flapshell turtle (*Lissemys punctata*). (Illustration by Gillian Harris)



1. American alligator (*Alligator mississippiensis*); 2. Common caiman (*Caiman crocodilus*); 3. Chinese alligator (*Alligator sinensis*); 4. Smooth-fronted caiman (*Paleosuchus trigonatus*). (Illustration by Brian Cressman)



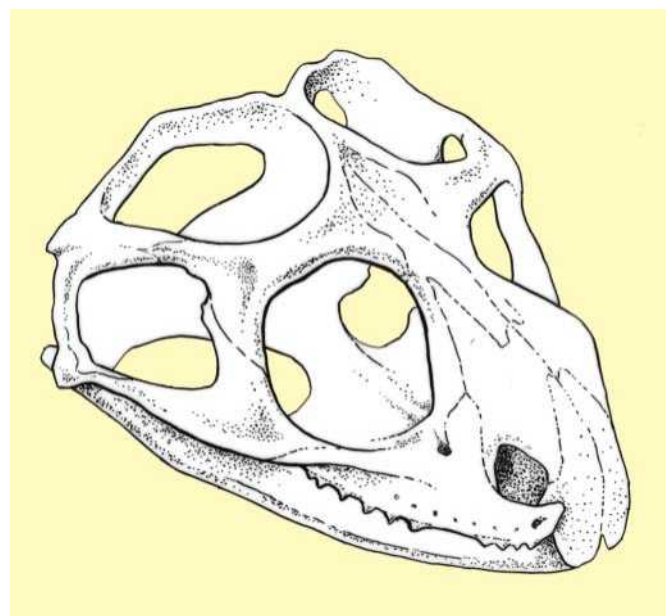
1. Muger crocodile (*Crocodylus palustris*); 2. Nile crocodile (*Crocodylus niloticus*); 3. Saltwater crocodile (*Crocodylus porosus*); 4. American crocodile (*Crocodylus acutus*); 5. Johnstone's crocodile (*Crocodylus johnstonii*). (Illustration by Brian Cressman)



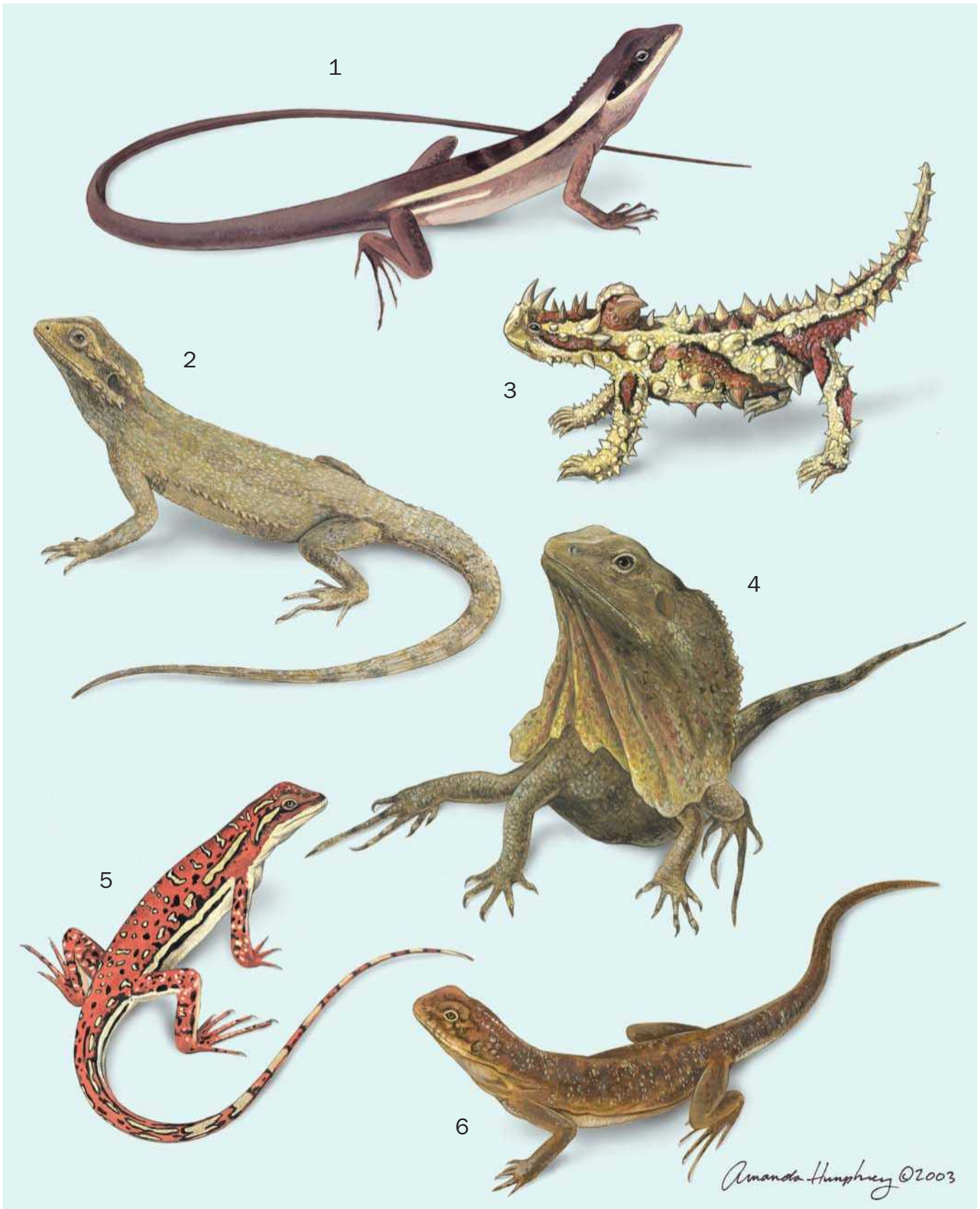
1. *Sphenodon guntheri*; 2. *Sphenodon punctatus*. (Illustration by Brian Cressman)



Tuatara means "spiny back" in Maori. (Photo by Hans Reinhard/Photo Researchers, Inc. Reproduced by permission.)



A tuatara skull. (Illustration by Brian Cressman)

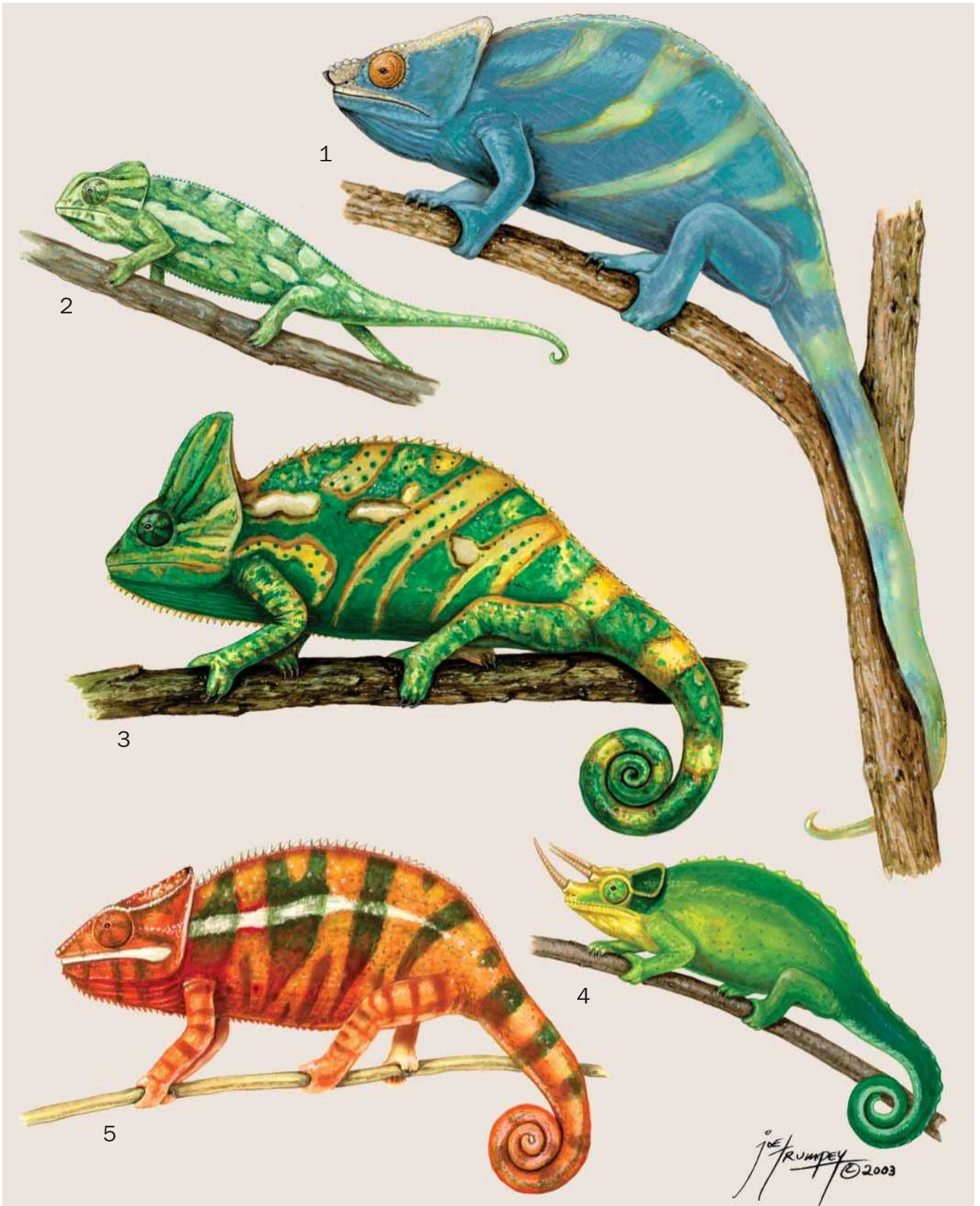


1. Long-snouted dragon (*Lophognathus longirostris*); 2. Bearded dragon (*Pogona minor*); 3. Thorny devil (*Moloch horridus*); 4. Frilled lizard (*Chlamydosaurus kingi*); 5. Military dragon (*Ctenophorus isolepis*); 6. Central netted dragon (*Ctenophorus inermis*). (Illustration by Amanda Humphrey)



1. Toad-headed agama (*Phrynocephalus mystaceus*); 2. Brown garden lizard (*Calotes versicolor*); 3. Spiny-tailed agama (*Uromastyx acanthinurus*); 4. Earless dragon (*Typanocryptis cephalus*); 5. Spiny agama (*Agama hispida*); 6. Flying lizard (*Draco volans*); 7. Sailfin lizard (*Hydrosaurus amboinensis*); 8. Butterfly agama (*Leiolepis belliana*); 9. Leaf-horned agama (*Ceratophora tennentii*). (Illustration by Amanda Humphrey)

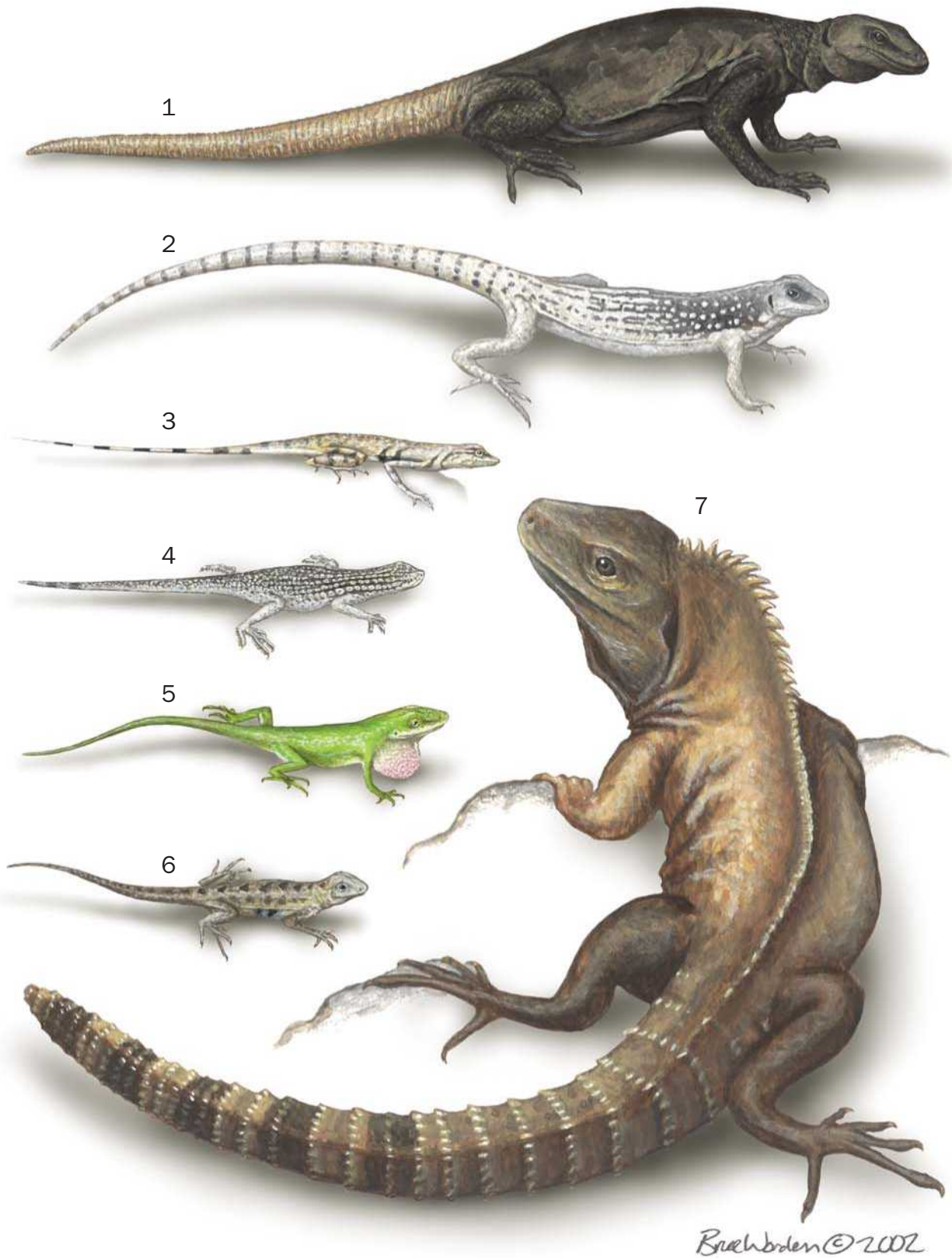




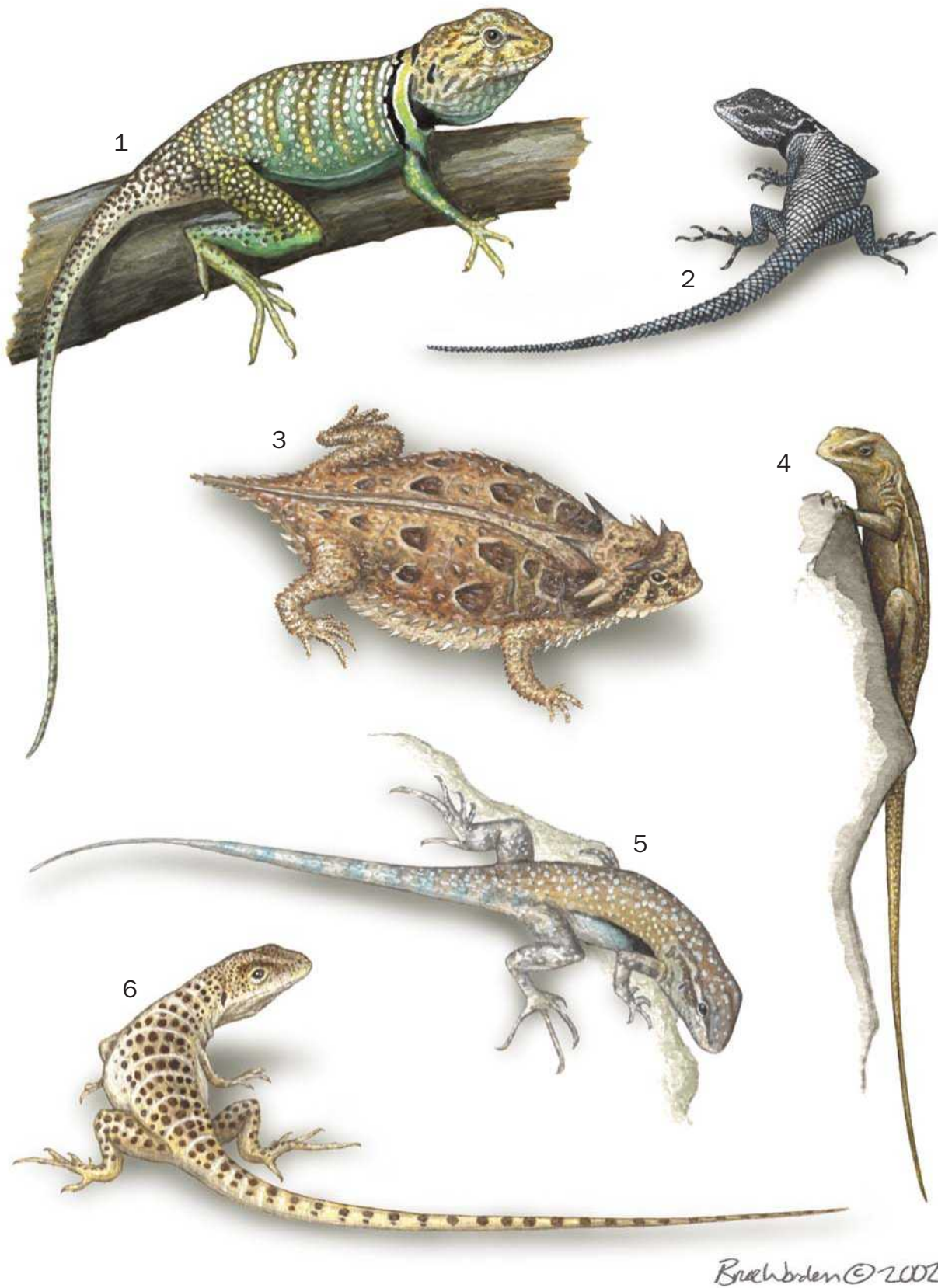
1. Male Parson's chameleon (*Calumma parsonii*); 2. Common chameleon (*Chamaeleo chamaeleon*); 3. Male veiled chameleon (*Chamaeleo calyptratus*); 4. Male Jackson's chameleon (*Chamaeleo jacksonii*); 5. Male panther chameleon (*Furcifer pardalis*). (Illustration by Joseph E. Trumpey)



1. Male KwaZulu-Natal Midlands dwarf chameleon (*Bradypodion thamnobates*); 2. Armored chameleon (*Brookesia perarmata*); 3. Female minor chameleon (*Furcifer minor*); 4. Short-tailed chameleon (*Rhampholeon brevicaudatus*) hatchling; 5. Female jeweled chameleon (*Furcifer campani*). (Illustration by Joseph E. Trumpey)



1. Male common chuckwalla (*Sauromalus obesus*); 2. Desert iguana (*Dipsosaurus dorsalis*); 3. Male zebra-tailed lizard (*Callisaurus draconoides*); 4. Coachella Valley fringe-toed lizard (*Uma inornata*); 5. Green anole (*Anolis carolinensis*); 6. Male common lesser earless lizard (*Holbrookia maculata*); 7. Male cape spinytail iguana (*Ctenosaura hemilopha*). (Illustration by Bruce Worden)

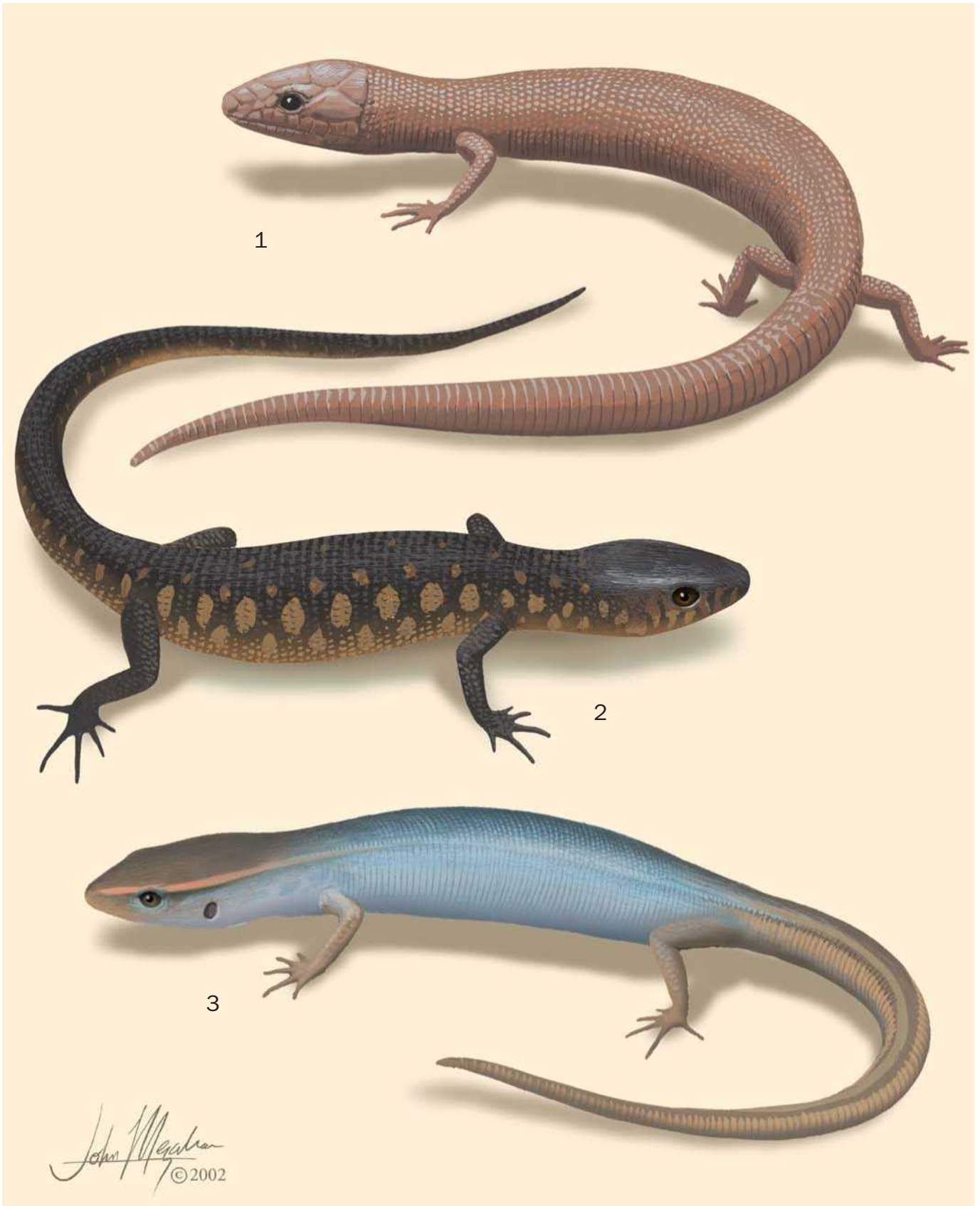


Bruce Worden © 2002

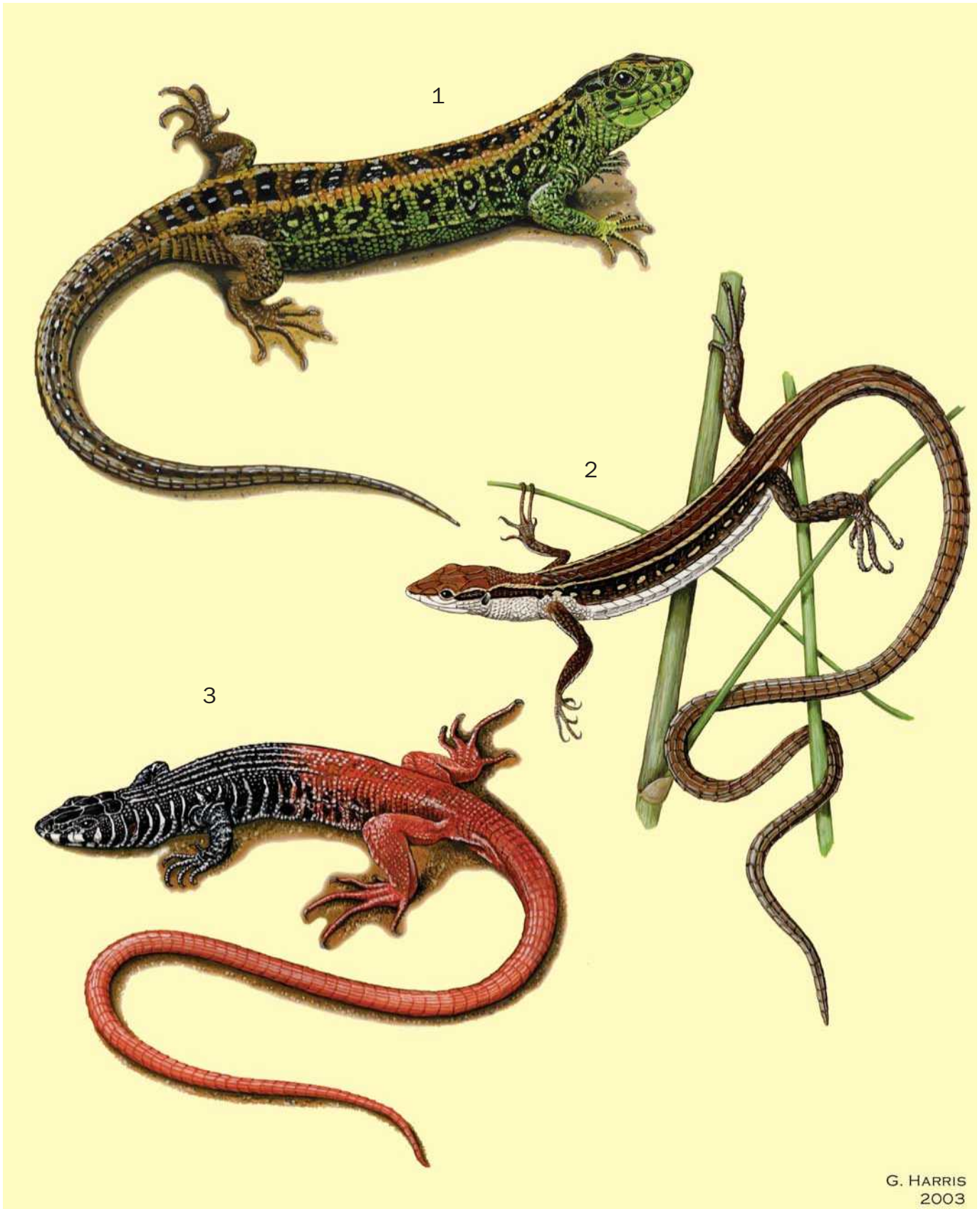
1. Male common collared lizard (*Crotaphytus collaris*); 2. Mountain spiny lizard (*Sceloporus jarrovi*); 3. Texas horned lizard (*Phrynosoma cornutum*); 4. Female common sagebrush lizard (*Urosaurus graciosus*); 5. Male common side-blotched lizard (*Uta stansburiana*); 6. Male long-nosed leopard lizard (*Gambelia wislizenii*). (Illustration by Bruce Worden)



1. Burton's snake lizard (*Lialis burtonis*); 2. Western banded gecko (*Coleonyx variegatus*); 3. House gecko (*Hemidactylus frenatus*); 4. Yellow-headed gecko (*Gonatodes albogularis*); 5. New Caledonian giant gecko (*Rhacodactylus leachianus*); 6. Common plate-tailed gecko (*Teratoscincus scincus*); 7. Madagascar day gecko (*Phelsuma madagascariensis*); 8. Web-footed gecko (*Palmatogecko rangei*); 9. Tokay gecko (*Gekko gekko*). (Illustration by Patricia Ferrer)

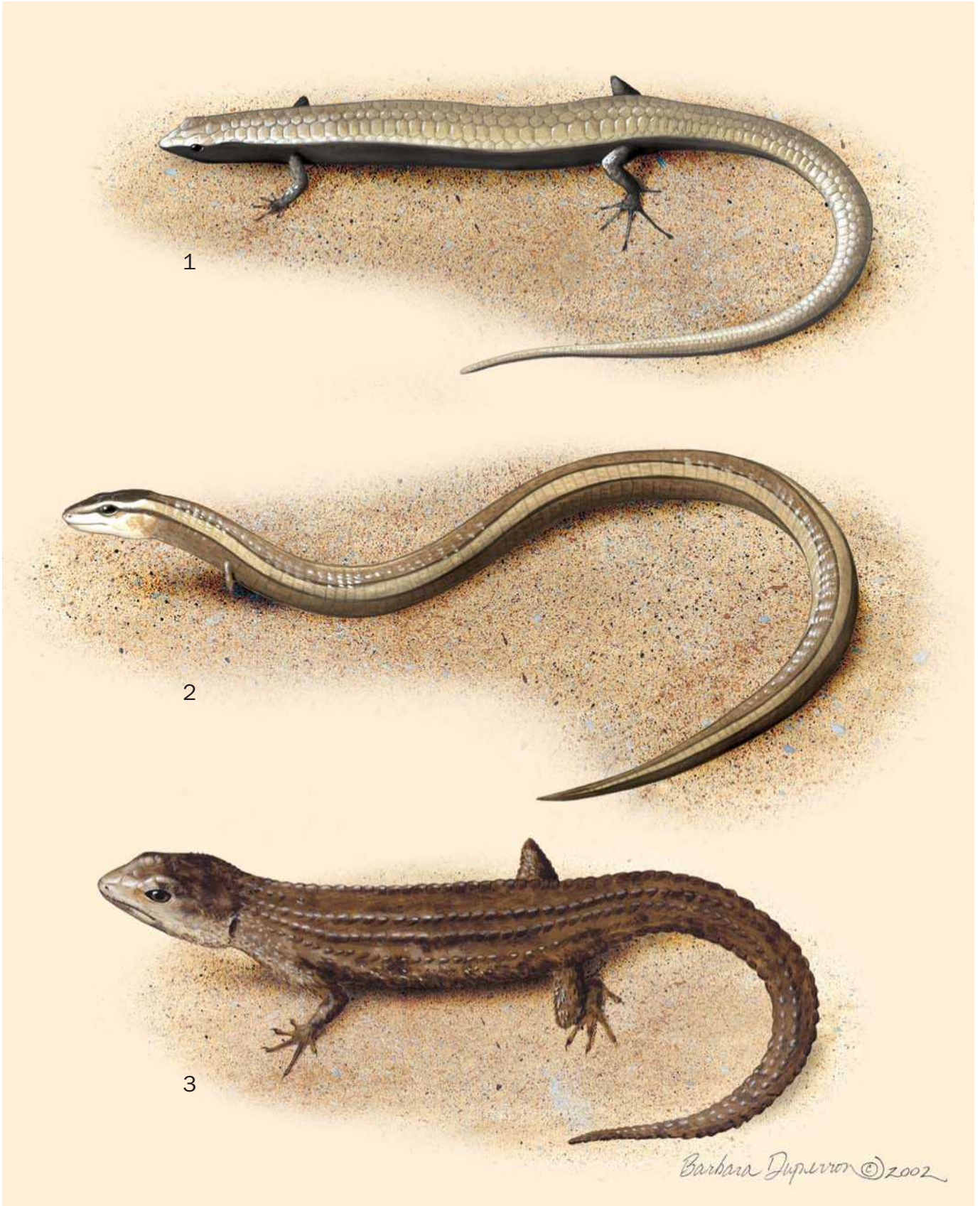


1. Cuban night lizard (*Cricosaura typica*); 2. Yellow-spotted night lizard (*Lepidophyma flavimaculatum*); 3. Desert night lizard (*Xantusia vigilis*). (Illustration by John Megahan)



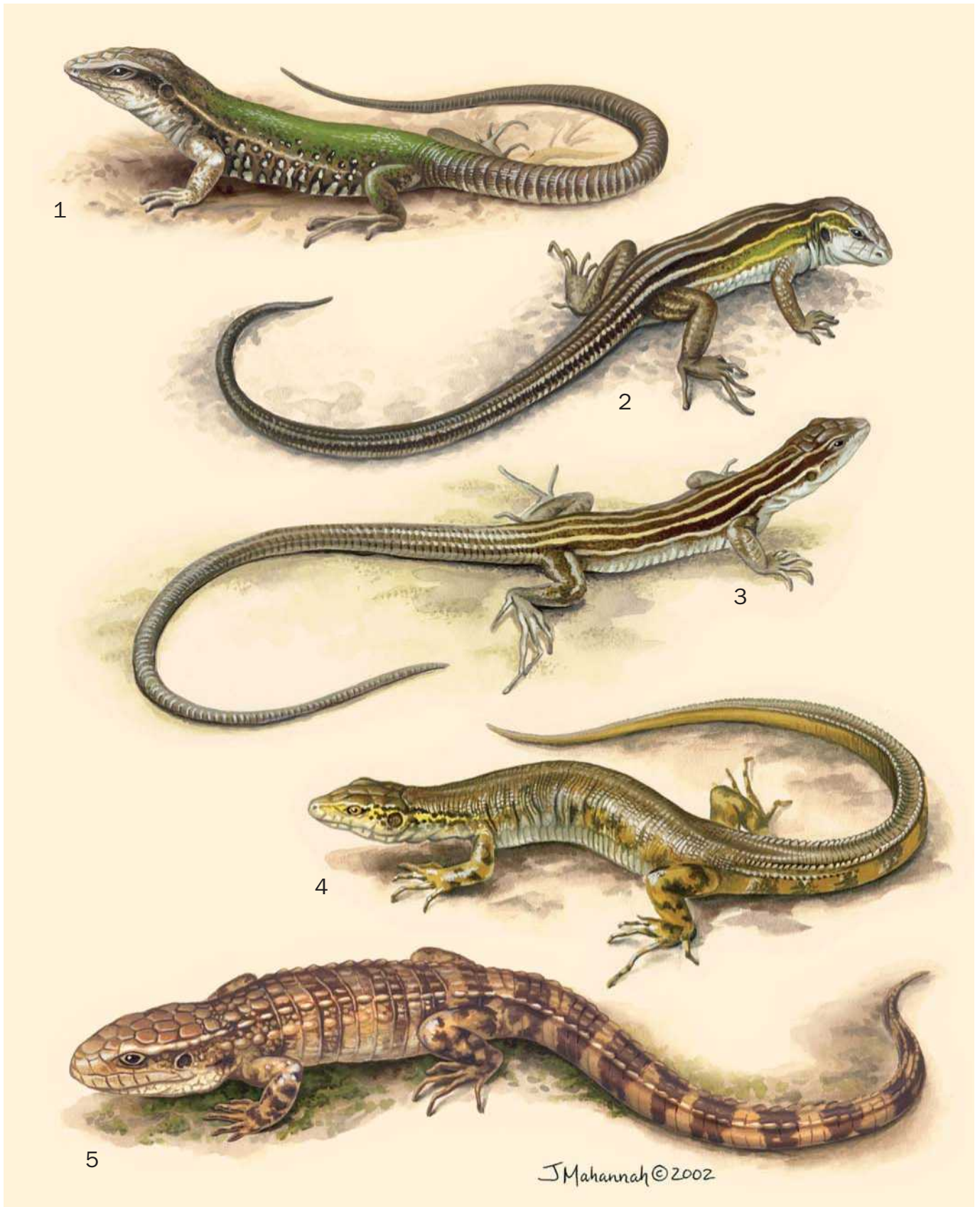
G. HARRIS  
2003

1. Sand lizard (*Lacerta agilis*); 2. Six-lined grass lizard (*Takydromus sexlineatus*); 3. Western sandveld lizard (*Nucras tessellata*). (Illustration by Gillian Harris)



1. *Gymnophthalmus underwoodi*; 2. *Bachia bresslaui*; 3. *Neusticurus ecleopus*. (Illustration by Barbara Duperron)

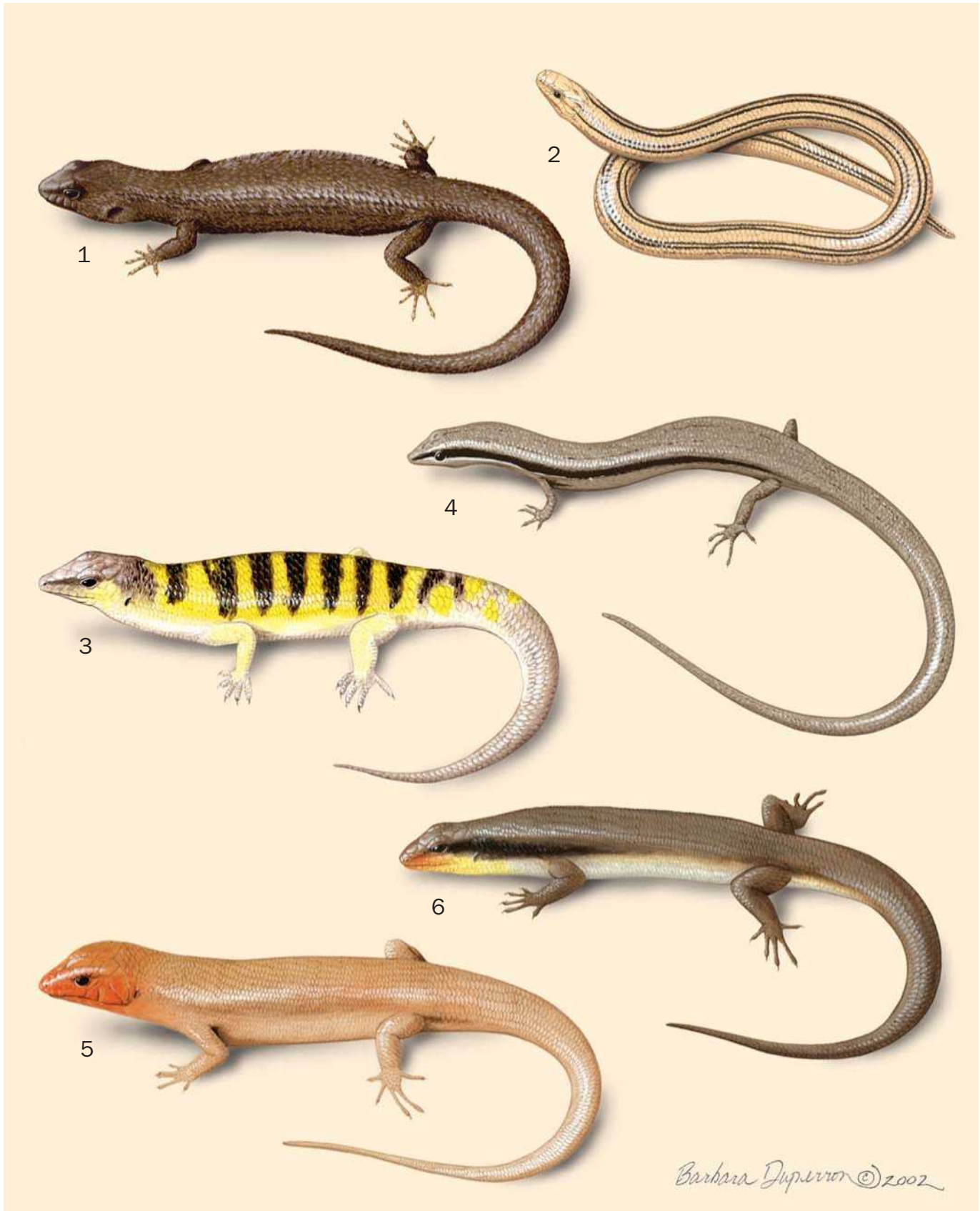




1. Giant ameiva (*Ameiva ameiva*); 2. Six-lined racerunner (*Cnemidophorus sexlineatus*); 3. Desert grassland whiptail (*Cnemidophorus uniparens*); 4. Crocodile tegu (*Crocodilurus lacertinus*); 5. Caiman lizard (*Dracaena paraguayensis*). (Illustration by Jacqueline Mahannah)



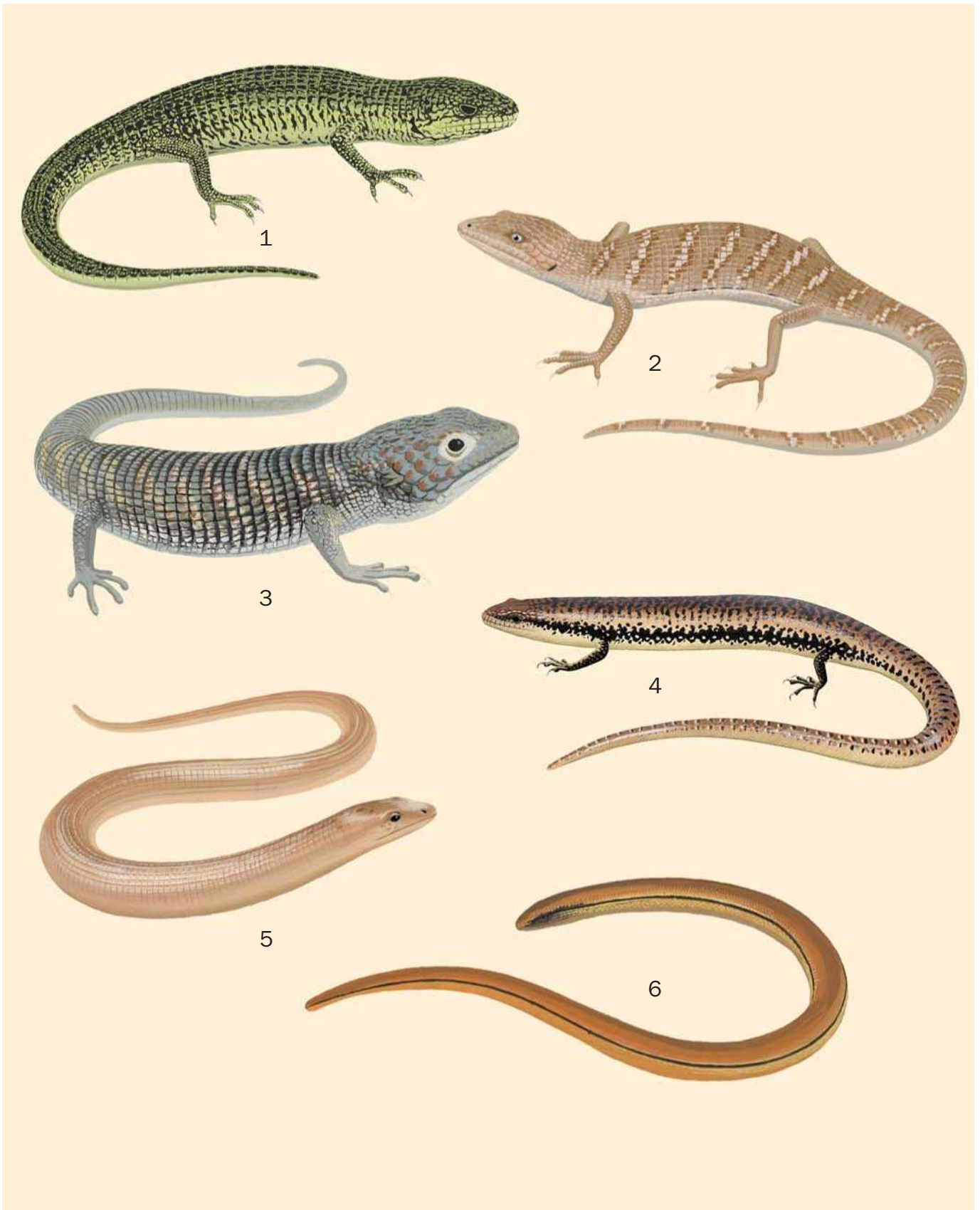
1. Cape flat lizard (*Platysaurus capensis*); 2. Madagascan plated lizard (*Zonosaurus madagascariensis*); 3. Giant girdled lizard (*Cordylus giganteus*). (Illustration by Wendy Baker)



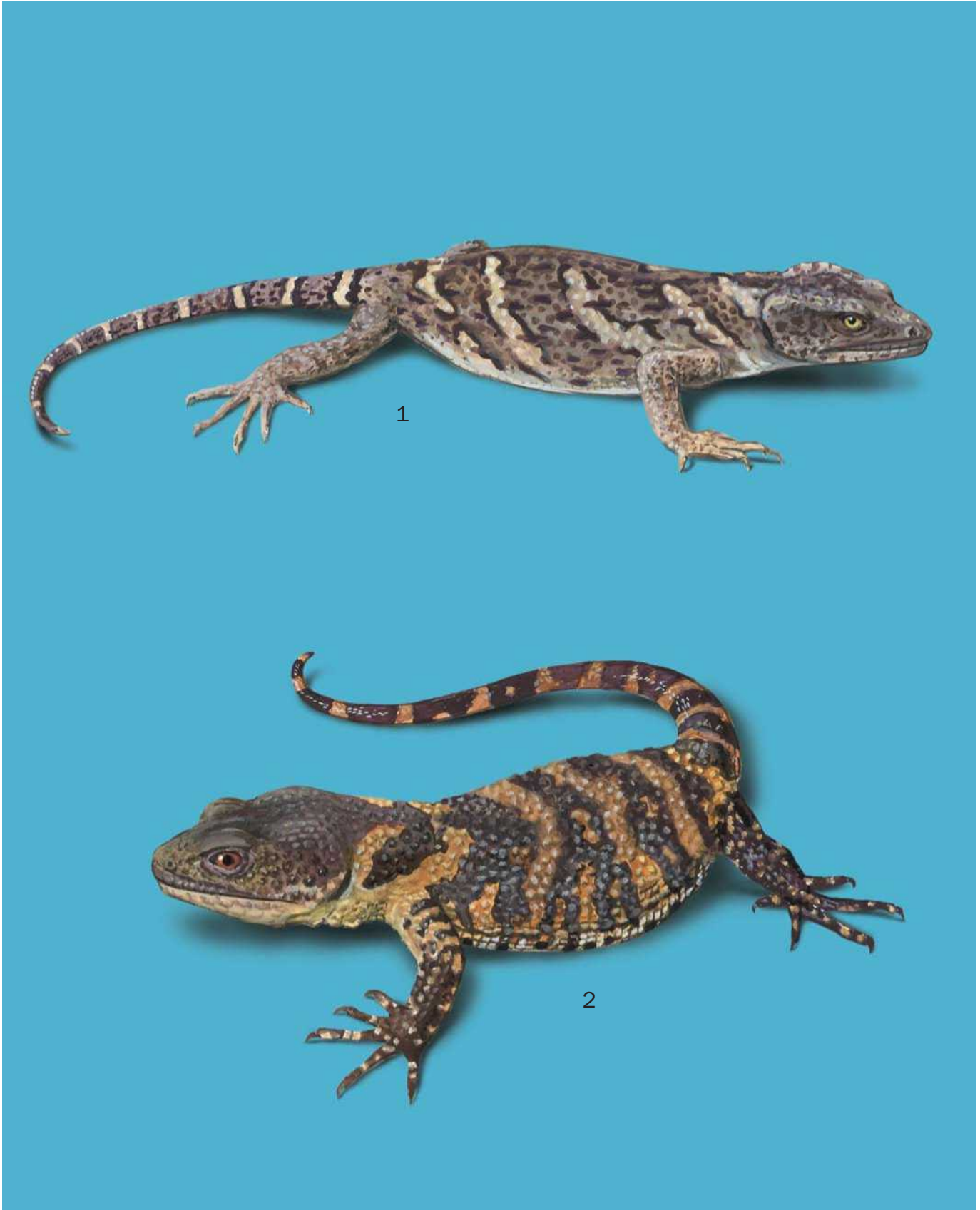
1. Prickly forest skink (*Gnypetoscincus queenslandiae*); 2. Striped blind legless skink (*Typhlosaurus lineatus*); 3. Sandfish (*Scincus scincus*); 4. *Menetia greyii*; 5. Broad-headed skink (*Eumeces laticeps*); 6. Striped skink (*Mabuya striata*). (Illustration by Barbara Duperron)



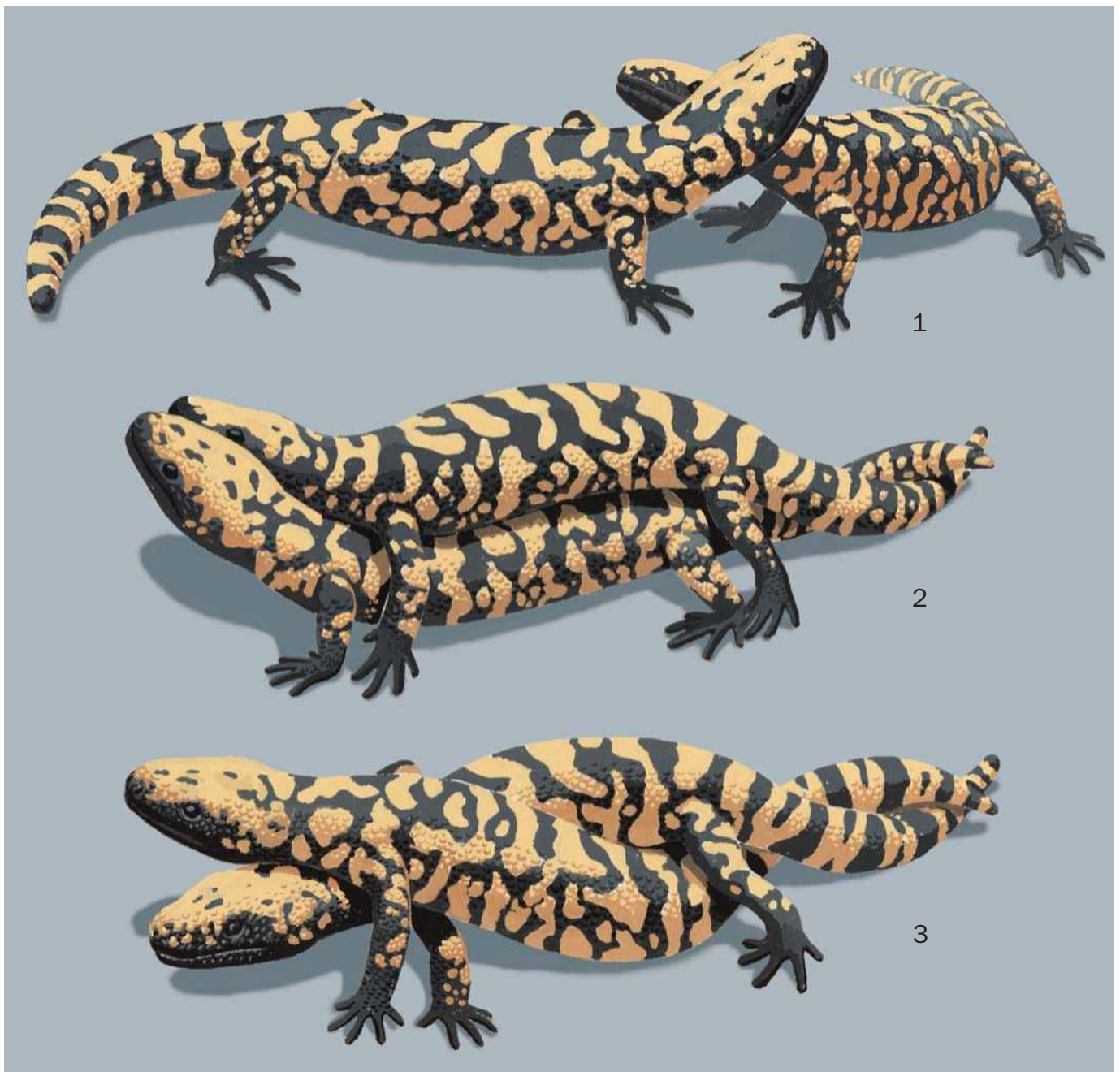
1. Broad-banded sand swimmer (*Eremiascincus richardsonii*); 2. Bobtail (*Tiliqua rugosa*); 3. *Cyclodomorphus branchialis*; 4. Night skink (*Egernia striata*); 5. Prehensile-tailed skink (*Corucia zebrata*); 6. Fourteen-lined comb eared skink (*Ctenotus quattuordecimlineatus*). (Illustration by Barbara Duperron)



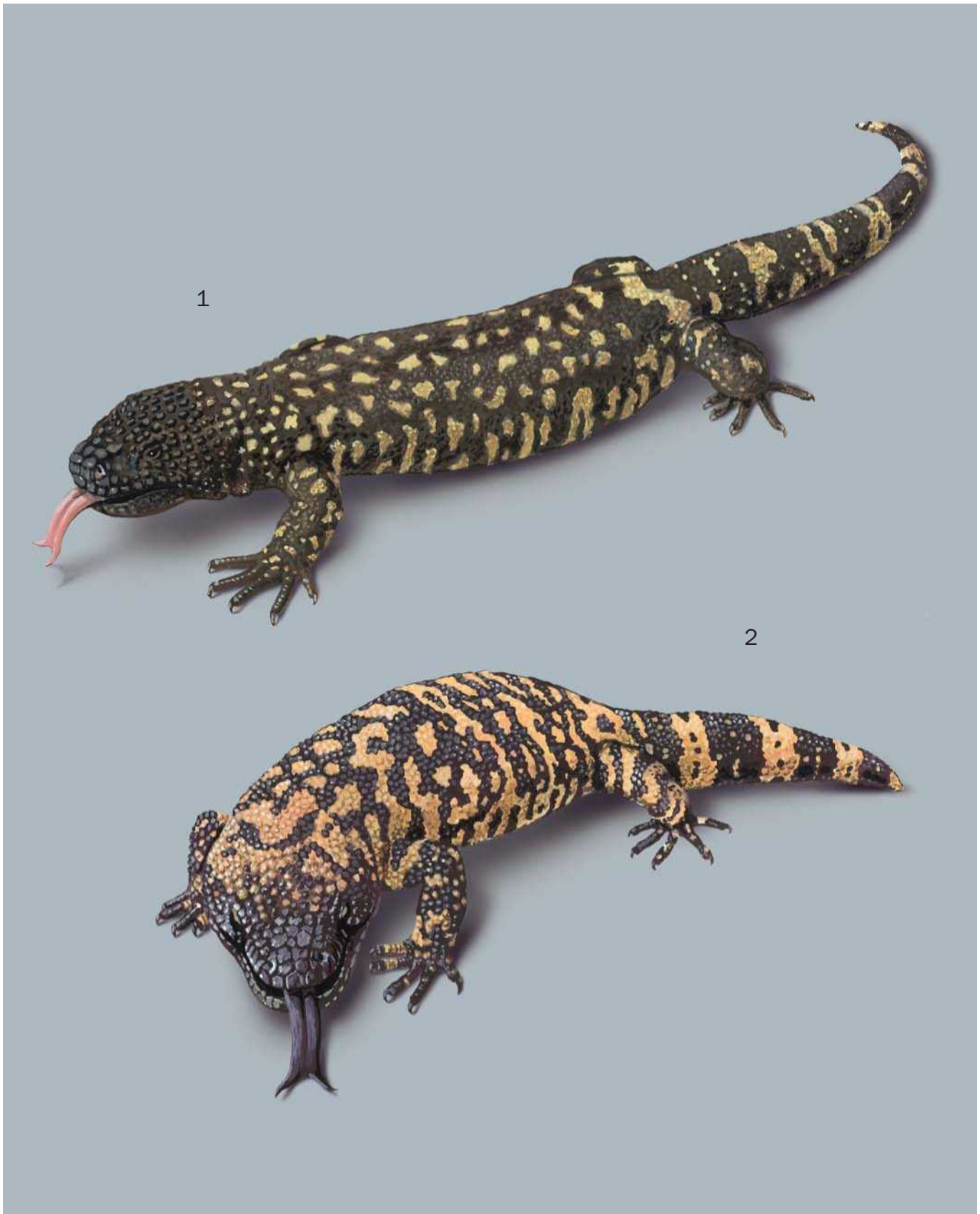
1. Montane alligator lizard (*Mesaspis monticola*); 2. Texas alligator lizard (*Gerrhonotus liocephalus*); 3. Coban alligator lizard (*Abronia aurita*); 4. *Celestus hylaius*; 5. Moroccan glass lizard (*Ophisaurus koellikeri*); 6. California legless lizard (*Anniella pulchra*). (Illustration by John Megahan)



1. Newman's knob-scaled lizard (*Xenosaurus newmanorum*); 2. Knob-scaled lizard (*Xenosaurus grandis*). (Illustration by Brian Cressman)

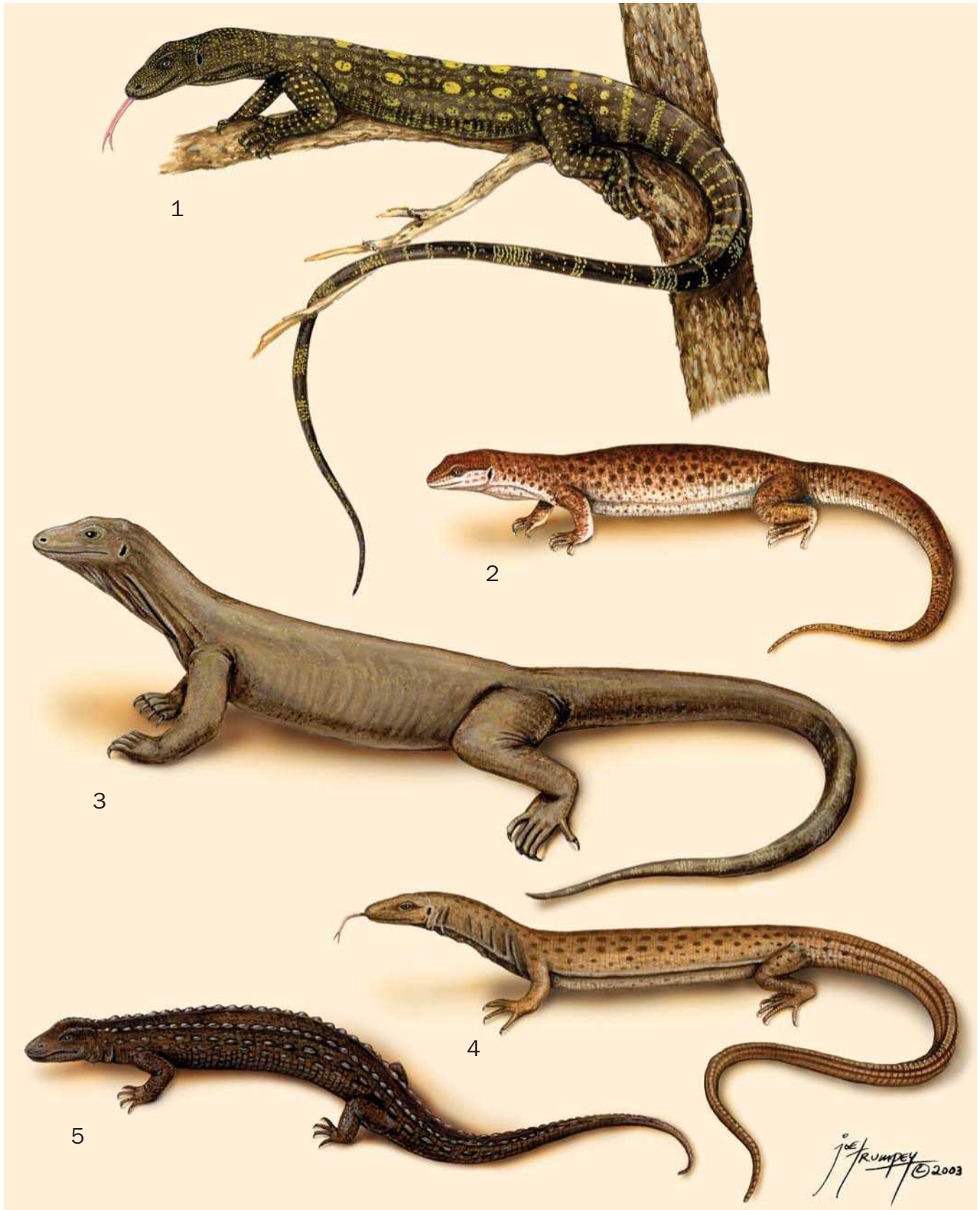


Three defensive postures of the Gila monster (*Heloderma suspectum*). (Illustration by John Megahan)



1. Mexican beaded lizard (*Heloderma horridum*); 2. Gila monster (*Heloderma suspectum*). (Illustration by Brian Cressman)

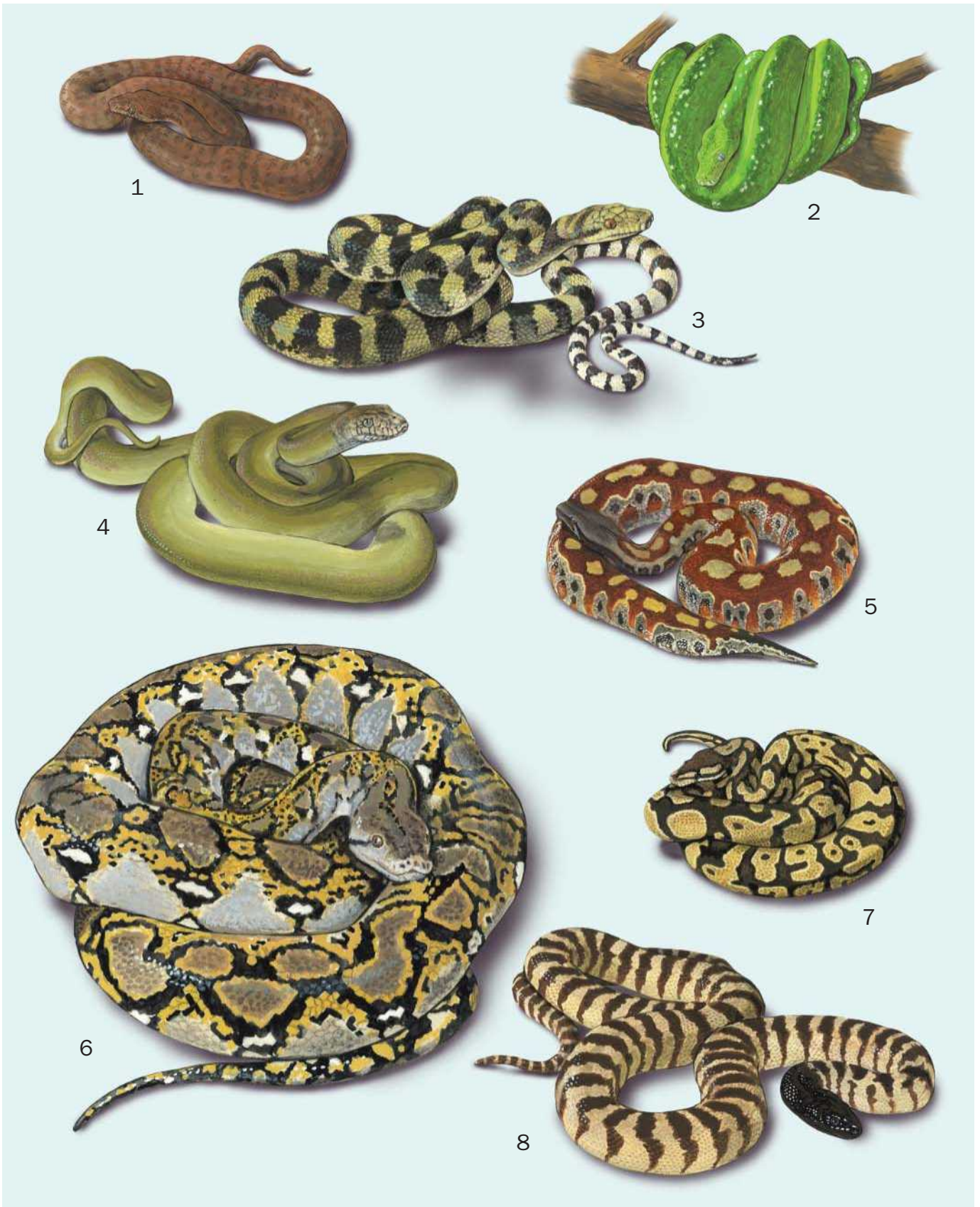




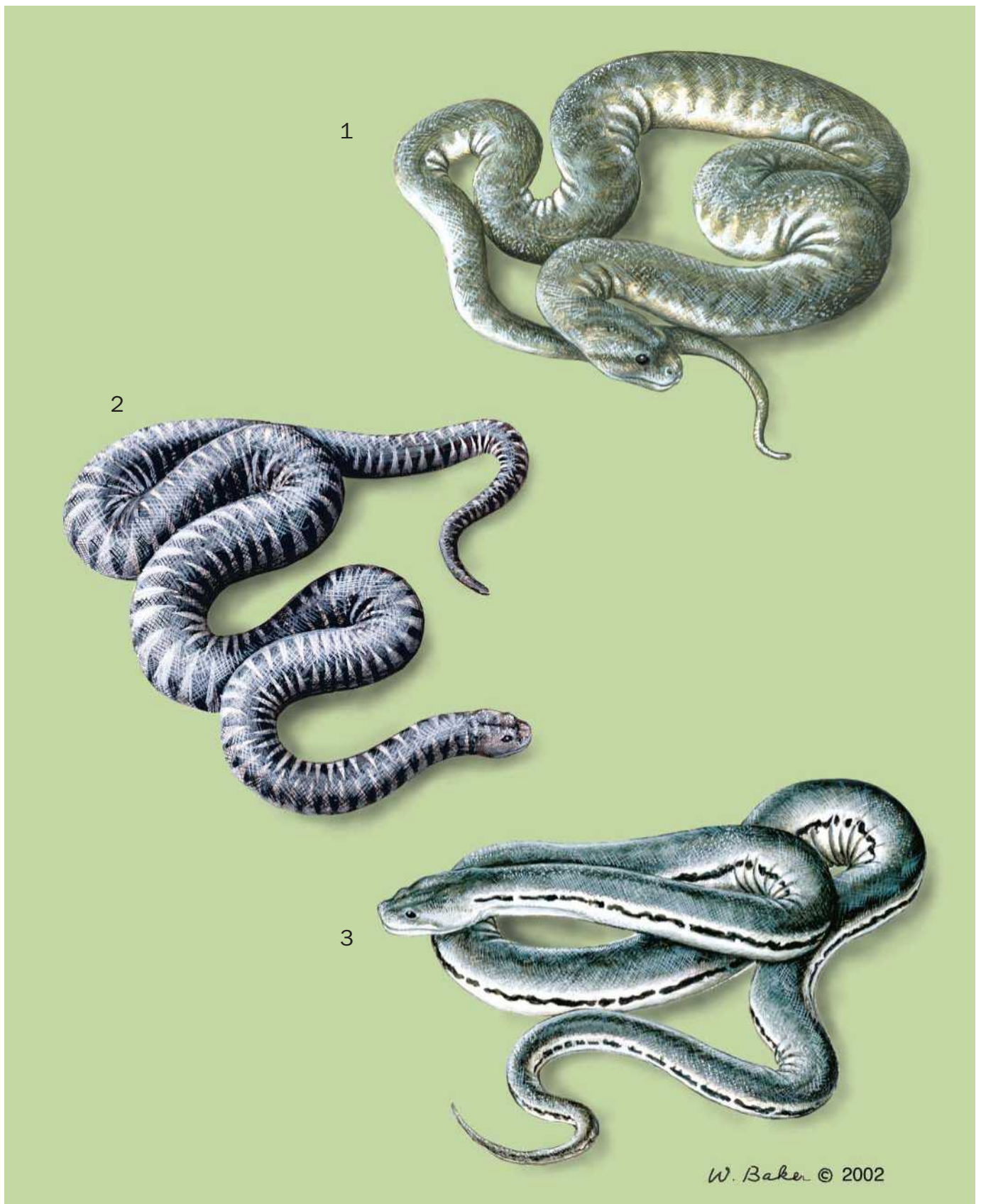
1. Crocodile monitor (*Varanus salvadorii*); 2. Short-tailed monitor (*Varanus brevicauda*); 3. Komodo dragon (*Varanus komodoensis*); 4. Stripe-tailed monitor (*Varanus caudolineatus*); 5. Earless monitor lizard (*Lanthanotus borneensis*). (Illustration by Joseph E. Trumpey)



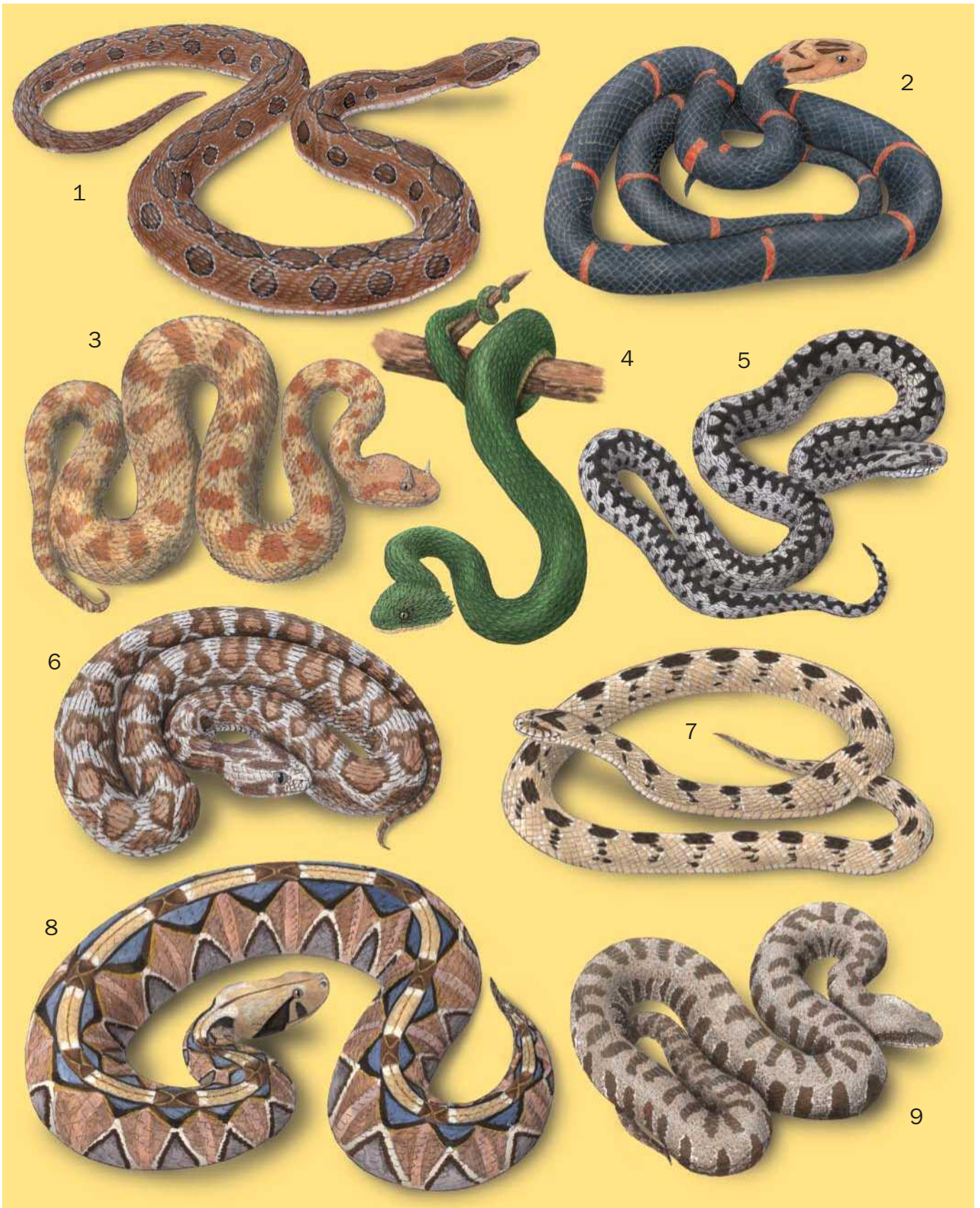
1. Emerald tree boa (*Corallus caninus*); 2. Viper boa (*Candoia aspera*); 3. Green anaconda (*Eunectes murinus*); 4. East African sandboa (*Eryx colubrinus*); 5. Rosy boa (*Charina trivirgata*); 6. Cuban boa (*Epicrates angulifer*); 7. Calabar boa (*Charina reinhardtii*); 8. Boa constrictor (*Boa constrictor*). (Illustration by Marguette Dongvillo)



1. Pygmy python (*Antaresia perthensis*); 2. Green python (*Morelia viridis*); 3. Halmahera python (*Morelia tracyae*); 4. Papuan python (*Apodora papuana*); 5. Blood python (*Python brongersmai*); 6. Reticulated python (*Python reticulatus*); 7. Ball python (*Python regius*); 8. Black-headed python (*Aspidites melanocephalus*). (Illustration by Brian Cressman)



1. Arafura file snake (*Acrochordus arafurae*); 2. Little file snake (*Acrochordus granulatus*); 3. Java file snake (*Acrochordus javanicus*). (Illustration by Wendy Baker)



1. Russel's viper (*Daboia russelii*); 2. Fea's viper (*Azemiops feae*); 3. Horned viper (*Cerastes cerastes*); 4. Green bush viper (*Atheris squamigera*); 5. Common adder (*Vipera berus*); 6. Saw-scaled viper (*Echis carinatus*); 7. Rhombic night adder (*Causus rhombeatus*); 8. Gaboon adder (*Bitis gabonica*); 9. Levantine viper (*Macrovipera lebetina*). (Illustration by Dan Erickson)



1. Cottonmouth (*Agkistrodon piscivorus*); 2. Tibetan pitviper (*Gloydus strauchi*); 3. Sri Lankan hump-nosed pitviper (*Hypnale nepa*); 4. Hundred-pace pitviper (*Deinagkistrodon acutus*); 5. Patagonian lancehead (*Bothrops ammodytoides*); 6. Yellow-blotched palm pitviper (*Bothriechis aurifer*); 7. Timber rattlesnake (*Crotalus horridus*); 8. Black-headed bushmaster (*Lachesis melanocephala*). (Illustration by Dan Erickson)



1. Mussurana (*Clelia clelia*); 2. Amazonian snail-eater (*Dipsas indica*); 3. Northern cat-eyed snake (*Leptodeira septentrionalis*); 4. Eastern hog-nosed snake (*Heterodon platirhinos*); 5. Common slug-eater (*Duberria lutrix*); 6. Common garter snake (*Thamnophis sirtalis*); 7. Yamakagashi (*Rhabdophis tigrinus*); 8. Cape filesnake (*Mehelya capensis*). (Illustration by Barbara Duperron)



1. Brown treesnake (*Boiga irregularis*); 2. Smooth snake (*Coronella austriaca*); 3. Boomslang (*Dispholidus typus*); 4. Common egg-eater (*Dasypeltis scabra*); 5. Milksnake (*Lampropeltis triangulum*); 6. Indigo snake (*Drymarchon corais*); 7. Tentacled snake (*Erpeton tentaculatus*); 8. Dog-faced watersnake (*Cerberus rynchops*). (Illustration by Barbara Duperron)





1. Red-bellied black snake (*Pseudechis porphyriacus*); 2. Half-girdled snake (*Simoselaps semifasciatus*); 3. Brown snake (*Pseudonaja textilis*); 4. Death adder (*Acanthophis antarcticus*); 5. Yellow-bellied seasnake (*Pelamis platurus*); 6. Olive seasnake (*Aipysurus laevis*); 7. Bandy-bandy snake (*Vermicella annulata*). (Illustration by Dan Erickson)



1. North American coral snake (*Micrurus fulvius*); 2. Sea krait (*Laticauda colubrina*); 3. Turtle-headed seasnake (*Emydocephalus annulatus*); 4. Forest cobra (*Naja melanoleuca*); 5. Black-necked spitting cobra (*Naja nigricollis*); 6. King cobra (*Ophiophagus hannah*); 7. Tiger snake (*Notechis scutatus*); 8. Taipan (*Oxyuranus scutellatus*); 9. Black mamba (*Dendroaspis polylepis*). (Illustration by Dan Erickson)