



Mesoamerican Herpetology



Volume 4, Number 2, 2017 • ISSN 2373-0951

www.mesoamericanherpetology.com

TABLE OF CONTENTS

Editorial Board, Taxonomic Board 241

Social Media Team, Country Representatives, Layout and Design, Our Cover Image 242

ARTICLES

Introductory Page 243

A new species of *Rhadinella* (Serpentes: Dipsadidae) from the Sierra de Agalta, Honduras.
JAMES R. McCRANIE 244

Introductory Page 254

When it counts, size does matter: complex territoriality in *Oophaga pumilio* (Schmidt, 1857).
JUSTIN K. CLAUSE 255

Introductory Page 263

The Herpetofauna of the Mexican Yucatan Peninsula: composition, distribution, and conservation status.
VÍCTOR HUGO GONZÁLEZ-SÁNCHEZ, JERRY D. JOHNSON, ELÍ GARCÍA-PADILLA, VICENTE MATA-SILVA,
DOMINIC L. DESANTIS, AND LARRY DAVID WILSON 264

Introductory Page 381

Is mating in the Túngara Frog (*Engystomops pustulosus*: Leptodactylidae) random or non-random?
MARCO D. BARQUERO AND BRANKO HILJE 382

Introductory Page 389

Specific status of the Montaña de Celaque Honduran frogs previously referred to as *Plectrohyla guatemalensis* (Anura: Hylidae: Hylinae).
JAMES R. McCRANIE 390

Introductory Page 402

Seasonal activity and use of shelters in a population of *Aspidoscelis costata* (Squamata: Teiidae) in central Mexico.
VÍCTOR MUNDO-HERNÁNDEZ, MIGUEL ÁNGEL BALDERAS-PLATA, XANAT ANTONIO-NÉMIGA,
AND JAVIER MANJARREZ 403

OTHER CONTRIBUTIONS

Nature Notes 410

Shrinking behavior in *Pristimantis pardalis* (Amphibia: Anura: Craugastoridae) from Costa Rica.
CÉSAR L. BARRIO-AMORÓS AND ESTHER BARRIO-AMORÓS 410

Clutch size of *Ambystoma velasci* (Dugès, 1888) *in situ*, from Guanajuato, Mexico.
BELINDA DE LA CRUZ-BELTRÁN, ADRIAN LEYTE-MANRIQUE, AND VICENTE MATA-SILVA 412

<i>Bolitoglossa yucatanana</i> (Peters, 1882). Troglodytism. J. ROGELIO CEDEÑO-VÁZQUEZ AND CECILIA CAHUM-CAHUM	414
<i>Crocodylus acutus</i> (Cuvier, 1807). Ectoparasitism. MARISA TELLEZ, SHARON MATOLA, AND DANNI BRIANNE	415
<i>Elgaria multica rinata</i> (Blainville, 1835). Diet. RAFAEL A. LARA-RESENDIZ, YAREDH RAMÍREZ-ENRÍQUEZ, ISAÍ VALLE-JIMÉNEZ, JORGE H. VALDEZ-VILLAVICENCIO, FAUSTO R. MÉNDEZ-DE LA CRUZ, AND PATRICIA GALINA-TESSARO	417
River rocks as sleeping perches for <i>Norops oxylophus</i> and <i>Basiliscus plumifrons</i> in the Cordillera de Talamanca, Costa Rica. JOSÉ M. MORA AND BÁRBARA I. ESCOBAR-ANLEU	418
<i>Bothrops asper</i> (Garman, 1883). Diet. ÁNGEL SOSA-BARTUANO, YOSTIN JESÚS AÑINO RAMOS, AND ALONSO SANTOS MURGAS	423
<i>Corallus annulatus</i> (Cope, 1825). Diet. ALEJANDRO SOLÓRZANO AND QUETZAL DWYER	424
<i>Crotalus ravis</i> . Diet and accidental mortality involving a <i>Sceloporus spinosus</i> . MIGUEL A. DOMÍNGUEZ-GODOY, RODRIGO BARRIOS-MONTIEL, AMANDO BAUTISTA, AND ANÍBAL H. DÍAZ DE LA VEGA-PÉREZ.	426
<i>Enulius flavitorques</i> (Cope, 1869). Feeding behavior. ALEJANDRO SOLÓRZANO AND BOABDIL MORA	428
<i>Hydrophis platura</i> . Predation by a Common Black-Hawk (<i>Buteogallus anthracinus</i>). ALEJANDRO SOLÓRZANO AND MAHMOOD SASA	431
<i>Leptophis diplotropis</i> (Günther, 1872). Diet. JORGE ARMÍN ESCALANTE-PASOS, LICET OLGUÍN-HERNÁNDEZ, ALIZÉE VERNOUILLET, JAVIER EDGAR VERDUGO-MOLINA, AND JOSÉ RAMÓN LÓPEZ-CASTILLO	433
<i>Micrurus nigrocinctus</i> (Girard, 1854). Tail color pattern. JORGE PIEDRASANTA, JUAN GUIDEL, KENNEDY RUIZ, ISRAEL PIMENTEL, LILY MIRANDA, AND NATALIA CARDONA.	435
<i>Oxybelis fulgidus</i> (Daudin, 1803). Predation on an Ivory-billed Woodcreeper (<i>Xiphorhynchus flavigaster</i>). LUIS FERNANDO DÍAZ-GAMBOA, MARTÍN RODRÍGUEZ-LIMA, AND LUIS SALINAS-PEBA	437
<i>Trimetopon slevini</i> Dunn, 1940. Predation on a velvet worm. MATTHEW SMOKOSKA AND VÍCTOR J. ACOSTA-CHAVES	438
<i>Tropidodipsas annulifera</i> Boulenger, 1984. Parasite. STEPHEN R. GOLDBERG AND CHARLES R. BURSEY.	441

Distribution Notes	442
<i>Sarcohyla bistincta</i> (Cope, 1877). VÍCTOR VÁSQUEZ-CRUZ, LUIS CANSECO-MÁRQUEZ, AND MIGUEL A. DE LA TORRE-LORANCA	442
<i>Craugastor yucatanensis</i> (Lynch, 1965). J. ROGELIO CEDEÑO-VÁZQUEZ AND CECILIA CAHUM-CAHUM	443
<i>Rhinophrynus dorsalis</i> Duméril and Bibron, 1841. ELIDA XANETT AGUILAR-IZAGUIRRE, ELÍ GARCÍA-PADILLA, VICENTE MATA-SILVA, DOMINIC L. DESANTIS, JERRY D. JOHNSON, AND LARRY DAVID WILSON	444
<i>Pseudoeurycea conanti</i> Bogert, 1967. VICENTE MATA-SILVA, ELÍ GARCÍA-PADILLA, DOMINIC L. DESANTIS, AURELIO RAMÍREZ-BAUTISTA, AND LARRY DAVID WILSON	445
New distribution records for two uncommon amphibian species on the Caribbean slopes of the Cordillera de Talamanca, Costa Rica. ERICK ARIAS	446
<i>Norops macrinii</i> (Smith, 1968). VICENTE MATA-SILVA, ELÍ GARCÍA-PADILLA, DOMINIC L. DESANTIS, LARRY DAVID WILSON, AND AURELIO RAMÍREZ-BAUTISTA	449
<i>Coleonyx mitratus</i> (Peters, 1863). JAVIER SUNYER, JOSÉ GABRIEL MARTÍNEZ-FONSECA, MILTON SALAZAR-SAAVEDRA, DEYANIRA MONGE ARRÓLIGA, JOSÉ ÁNGEL RIVERA BLANDÓN, AND ALLAN ANTONIO GUTIÉRREZ RODRÍGUEZ	450
<i>Gehyra mutilata</i> (Wiegmann, 1834). ERICK GONZÁLEZ-MEDINA, DIEGO ADOLFO GONZÁLEZ-ZAMORA, JOSÉ ALFREDO CASTILLO-GUERRERO, SALVADOR HERNÁNDEZ-VÁZQUEZ, AND ERIC MELLINK	457
<i>Hemidactylus turcicus</i> (Linnaeus, 1758). JORGE H. VALDEZ-VILLAVICENCIO, BRADFORD D. HOLLINGSWORTH, AND RIGOBERTO AGUILAR, JR	458
<i>Lepidophyma tuxtlae</i> Werler and Shannon, 1957. DIEGO GARCÍA-MORALES, ROMINA ITZEL CERVANTES-BURGOS, JUAN CARLOS SÁNCHEZ-GARCÍA, AND URI OMAR GARCÍA-VÁZQUEZ	460
First verified locality for <i>Drymobius margaritiferus</i> (Schlegel, 1837) from Estado de México, Mexico. RODRIGO GABRIEL MARTÍNEZ-FUENTES, ROMINA ITZEL CERVANTES-BURGOS, JUAN CARLOS SÁNCHEZ-GARCÍA, ANTONIO ESAÚ VALDENEGRO-BRITO, AND URI OMAR GARCÍA-VÁZQUEZ	461
New records for <i>Lampropeltis polyzona</i> Cope, 1860 (Reptilia: Squamata: Colubridae), from Guanajuato, Mexico. ADRIAN LEYTE-MANRIQUE, VICENTE MATA-SILVA, AND ROBERT W. HANSEN	463
<i>Senticolis triaspis</i> (Cope, 1866). ALLAN ANTONIO GUTIÉRREZ RODRÍGUEZ AND JAVIER SUNYER	465

<i>Diadophis punctatus</i> (Linnaeus, 1766). JUAN ALFONSO HERNÁNDEZ-MELO, FERDINAND TORRES-ANGELES, AND ZELTZIN KETZALKEN ZEPÉDA-HERNÁNDEZ	466
<i>Enulius flavitorques</i> (Cope, 1868). JUAN G. ABARCA AND FEDERICO BOLAÑOS.	468
<i>Imantodes gemmistratus</i> (Cope, 1861). JESÚS ALBERTO LOC-BARRAGÁN AND ERIKA JULIANA GONZÁLEZ-OLVERA	469
<i>Leptodeira nigrofasciata</i> Günther, 1868. VICENTE MATA-SILVA, DOMINIC L. DESANTIS, ELÍ GARCÍA-PADILLA, ARTURO ROCHA, LARRY DAVID WILSON, AND AURELIO RAMÍREZ-BAUTISTA	471
<i>Leptodeira uribei</i> (Ramírez-Bautista and Smith, 1992). VICENTE MATA-SILVA, ELÍ GARCÍA-PADILLA, DOMINIC L. DESANTIS, ARTURO ROCHA, LARRY DAVID WILSON, AND AURELIO RAMÍREZ-BAUTISTA	472
<i>Manolepis putnami</i> (Jan, 1863). VICENTE MATA-SILVA, ARTURO ROCHA, ELÍ GARCÍA-PADILLA, DOMINIC L. DESANTIS, LARRY DAVID WILSON, AND AURELIO RAMÍREZ-BAUTISTA	473
<i>Rhadinaea gaigeae</i> Bailey, 1937. ZELTZIN KETZALKEN ZEPÉDA-HERNÁNDEZ, JUAN ALFONSO HERNÁNDEZ-MELO, AND FERDINAND TORRES-ANGELES	475
First record of <i>Rhadinella godmani</i> (Reptilia: Squamata: Dipsadidae) from Nicaragua. JULIO C. LOZA, LUIS GUTIÉRREZ, MILTON SALAZAR-SAAVEDRA, JOSÉ GABRIEL MARTÍNEZ-FONSECA, MAYNOR FERNÁNDEZ, AND JAVIER SUNYER.	476
<i>Tropidodipsas sartorii</i> Cope, 1863. FERDINAND TORRES-ANGELES, JUAN ALFONSO HERNÁNDEZ-MELO, AND ZELTZIN KETZALKEN ZEPÉDA-HERNÁNDEZ	478
<i>Xenodon angustirostris</i> (Peters, 1864). ALLAN ANTONIO GUTIÉRREZ RODRÍGUEZ AND JAVIER SUNYER	479
<i>Indotyphlops braminus</i> (Daudin, 1803). JAVIER A. ORTIZ-MEDINA	480
First verified record of <i>Cerrophidion wilsoni</i> (Reptilia: Squamata: Viperidae) from Nicaragua MAYNOR FERNÁNDEZ, JOSÉ GABRIEL MARTÍNEZ-FONSECA, MILTON SALAZAR-SAAVEDRA, LUIS GUTIÉRREZ, JULIO LOZA, AND JAVIER SUNYER	481
<i>Crotalus intermedius</i> Troschel, 1865. ARNOLD IBARRA-BAUTISTA, RAÚL HERNÁNDEZ-JANDETE, ROBERTO DANIEL ARELLANO-PINACHO, AND LEONARDO FERNÁNDEZ-BADILLO	485
First report of <i>Terrapene mexicana</i> (Testudines: Emydidae) from the state of Nuevo León, Mexico. DANIEL B. WYLIE AND CHRISTOPH I. GRÜNWALD	486

Miscellaneous Notes	488
Vulcan’s Slender Caecilian, <i>Caecilia volcani</i> , in Costa Rica. BRIAN KUBICKI AND ERICK ARIAS	488
Distribution and natural history notes on <i>Norops bicaorum</i> (Squamata: Dactyloidae) endemic to Isla de Utila, Honduras. TOM W. BROWN, DAISY F. MARYON, MATTHIJS P. VAN DEN BURG, AND GEORGE LONSDALE	493
First record of the Turniptail Gecko (<i>Thecadactylus rapicauda</i> Houttuyn, 1782) in Tabasco, Mexico. DIEGO M. ARENAS-MORENO, RUFINO SANTOS-BIBIANO, YENNIFER MARCELA ARELLANO-CÁRCAMO, DAVID ALEJANDRO BRINDIS-BADILLO, AND PIERRE CHARRUAU	498
<i>Hypsiglena torquata</i> (Günther, 1860). Geographic distribution and diet. RUFINO SANTOS-BIBIANO, ARNULFO VILLANUEVA-CASTRO, RICARDO PALACIOS-AGUILAR, AND ELIZABETH BELTRÁN-SÁNCHEZ	501
The snake <i>Lampropeltis annulata</i> , Kennicott, 1861, in Hidalgo, Mexico. LEONARDO FERNÁNDEZ-BADILLO, SHARON YEDID VALDEZ-RENTERÍA, CRISTIÁN RAÚL OLVERA-OLVERA, GUILLERMO SÁNCHEZ-MARTÍNEZ , NORMA L. MANRIQUEZ-MORÁN , AND I. GOYENECHEA	502

From the Editor:

A Distribution Note on *Sceloporus lundelli* that appeared on 30 June 2017 was retracted from this issue, because the pertinent information already had been published in another journal.



EDITORIAL BOARD

MANAGING EDITOR

Louis W. Porras
Eagle Mountain Publishing, LC
UNITED STATES
E-mail: empub@msn.com

ASSOCIATE EDITORS

Manuel E. Acevedo
Universidad de San Carlos de Guatemala
GUATEMALA

Javier Alvarado-Díaz
Universidad Michoacana de San Nicolás de Hidalgo
MEXICO

Jerry D. Johnson
The University of Texas at El Paso
UNITED STATES

Gunther Köhler
Senckenberg Forschungsinstitute und Naturmuseen
GERMANY

Pablo A. Lavín Murcio
Universidad Autónoma de Ciudad Juárez
MEXICO

Kirsten Nicholson
Central Michigan University
UNITED STATES

Gabriela Parra Olea
Universidad Nacional Autónoma de México
MEXICO

Mahmood Sasa
Instituto Clodomiro Picado/Universidad de Costa Rica
COSTA RICA

Javier Sunyer
Bogotá, COLOMBIA

Larry David Wilson
Centro Zamorano de Biodiversidad
HONDURAS

SECTION EDITORS

Nature Notes, Mexico

Aurelio Ramírez-Bautista
Universidad Autónoma del Estado de Hidalgo
MEXICO
E-mail: ramibautistaa@gmail.com

Distribution Notes, Mexico

Vicente Mata-Silva
University of Texas at El Paso
UNITED STATES
E-mail: vmata@utep.edu

Nature Notes, Central America

William W. Lamar
The University of Texas at Tyler
UNITED STATES
E-mail: wlamar@spyderinternet.com

Distribution Notes, Central America

Javier Sunyer
Grupo HerpetoNica (Herpetólogos de Nicaragua), Nicaragua.
Bogotá, COLOMBIA
E-mail: jsunyermaclennan@gmail.com

TAXONOMIC BOARD

Jerry D. Johnson, Co-chair
The University of Texas at El Paso
UNITED STATES
Email: jjohnson@utep.edu

Larry David Wilson, Co-chair
Centro Zamorano de Biodiversidad
HONDURAS
Email: bufodoc@aol.com

Robert W. Bryson, Jr.
University of Washington
UNITED STATES

Gunther Köhler
Senckenberg Forschungsinstitut und Naturmuseum
GERMANY

Kirsten Nicholson
Central Michigan University
UNITED STATES

Gordon W. Schuett
Georgia State University/The Copperhead Institute
UNITED STATES

Josiah H. Townsend
Indiana University of Pennsylvania
UNITED STATES

SOCIAL MEDIA TEAM

Victor Acosta Chaves
Scientific Representative in Costa Rica for RedMesoherp
COSTA RICA
E-mail: victor2222@gmail.com

Julie M. Ray
La Mica Biological Station
PANAMA
E-mail: la.mica@yahoo.com

Josiah H. Townsend
Indiana University of Pennsylvania
Indiana, Pennsylvania 15705
UNITED STATES
E-mail: josiah.townsend@iup.edu

John Fannon
Camosun College
CANADA
E-Mail: jfannon13@hotmail.com

COUNTRY REPRESENTATIVES

Mexico

Irerí Suazo-Ortuño
Universidad Michoacana de San Nicolás
de Hidalgo

Oscar Flores-Villela
Universidad Nacional Autónoma de México

Guillermo Alfonso Woolrich-Piña
Instituto Tecnológico Superior de
Zacapoaxtla, Puebla.

Guatemala

Manuel Acevedo
Universidad de San Carlos de Guatemala

Daniel Ariano-Sánchez
Universidad del Valle de Guatemala

Belize

Paul Walker
Wildtracks

Honduras

Josiah Townsend
Indiana University of Pennsylvania

Mario Espinal
M & K Consultores, Comayagua

Nicaragua

Javier Sunyer
Bogotá, Colombia

Costa Rica

Mahmood Sasa
Instituto Clodomiro Picado/Universidad
de Costa Rica

Alejandro Solórzano
Universidad de Costa Rica

Panama

Abel Batista
Neotropical Panama

César Jaramillo
Círculo Herpetológico de Panamá

Julie M. Ray
La Mica Biological Station

LAYOUT AND DESIGN

Francine Eden Platt
Eden Graphics, Inc.
E-mail: fran@edengraphics.net



© John Cossel, Jr



© Austin Reich

OUR COVER IMAGE

Jonathan E. Twining is an Assistant Professor of Biology at Eastern Nazarene College, Massachusetts, United States. For the past three years, he has been collaborating with Dr. John Cossel of Northwest Nazarene University (Idaho, United States) in Costa Rica on amphibian bioacoustics research and student travel courses.

Ian Rohnert is an aspiring nature/wildlife photographer and student at Northwest Nazarene University, studying Graphic Design with a minor in Photography. He is constantly pursuing new adventures, and eagerly awaits the next project that comes his way. His passion for photography, and the outdoors, drive him to capture the breathtaking moments nature provides.

Our cover image depicts a Speckled Blunt-headed Treesnake (*Imantodes inornatus*) preying on a Mesoamerican Treefrog (*Smilisca baudinii*). The photo was taken by Ian Rohnert on 20 May 2017 in the Pantano de Cantarrana, Estación de Investigación Biológica La Selva, Provincia de Heredia, Puerto Viejo, Costa Rica. A video clip of the event can be seen at: https://www.youtube.com/watch?v=Z8eITn22I_0&feature=youtu.be