



Mesoamerican Herpetology



Volume 3, Number 2, 2016 • ISSN 2373-0951

www.mesoamericanherpetology.com

TABLE OF CONTENTS

Editorial Board, Taxonomic Board	213
Social Media Team, Country Representatives, Layout and Design, Our Cover Image	214

ARTICLES

Introductory Page	215
Morphological review and taxonomic status of the <i>Epictia phenops</i> species group of Mesoamerica, with description of six new species and discussion of South American <i>Epictia albifrons</i> , <i>E. goudotii</i> , and <i>E. tenella</i> (Serpentes: Leptotyphlopidae: Epictinae). VAN WALLACH	216
Introductory Page	375
The herpetofauna of Nayarit, Mexico: composition, distribution, and conservation status. GUILLERMO A. WOOLRICH-PIÑA, PAULINO PONCE-CAMPOS, JESÚS LOC-BARRAGÁN, JUAN PABLO RAMÍREZ-SILVA, VICENTE MATA-SILVA, JERRY D. JOHNSON, ELÍ GARCÍA-PADILLA, AND LARRY DAVID WILSON	376
Introductory Page	449
Population status of the American Crocodile (<i>Crocodylus acutus</i>) in Caye Caulker, Belize. MARISA TELLEZ, MIRIAM BOUCHER, KARL KOHLMAN	450

OTHER CONTRIBUTIONS

Nature Notes	461
<i>Ambystoma ordinarium</i> . Predation by a Black-necked Gartersnake (<i>Thamnophis cyrtopsis</i>). PEDRO GARCÍA-GARRIDO, JAVIER ALVARADO-DÍAZ, AND IRERI SUAZO-ORTUÑO	461
<i>Diaglena spatulata</i> and <i>Smilisca baudinii</i> . Heterospecific amplexus. JESÚS A. LOC-BARRAGÁN, GUILLERMO A. WOOLRICH-PIÑA, AND JUAN P. RAMÍREZ-SILVA	463
Notes on the reproduction of the endemic Costa Rican toad, <i>Incilius chompipe</i> (Anura: Bufonidae). ANDREW R. GRAY AND ADAM W. BLAND.	464
<i>Lithobates warszewitschii</i> (Schmidt, 1857). Cannibalistic behavior. BRAYAN MORERA AND RONALD SANCHEZ.	467
<i>Crocodylus acutus</i> (Cuvier, 1807). Rostral abnormality. FABIO GERMÁN CUPUL-MAGAÑA, FRANK MC CANN, AND ARMANDO H. ESCOBEDO-GALVÁN	468
<i>Crocodylus moreletii</i> . Cannibalism. J. ROGELIO CEDEÑO-VÁZQUEZ, FERNANDO GONZÁLEZ-ÁVILA, AND MAURICIO GONZÁLEZ-JÁUREGUI.	470

<i>Crocodylus moreletii</i> . Diet. J. ROGELIO CEDEÑO-VÁZQUEZ, SERGIO A. TERÁN JUÁREZ, AND STEVEN G. PLATT	472
Predatory interaction between a Morelet's Crocodile (<i>Crocodylus moreletii</i>) and a Mexican Hairy Porcupine (<i>Sphiggurus mexicanus</i>) in Belize. STEVEN G. PLATT, THOMAS R. RAINWATER, AND SCOTT T. McMURRY	474
<i>Dermatemys mawii</i> Gray, 1847. Longevity. ROBERT W. MENDYK AND DUSTIN C. SMITH	477
<i>Anolis (Norops) tropidonotus</i> Peters 1863. Reproduction. CARLOS J. PAVÓN-VÁZQUEZ, MARYSOL TRUJANO-ORTEGA, ARTURO ARELLANO-COVARRUBIAS, AND URI O. GARCÍA-VÁZQUEZ	479
<i>Aspidoscelis deppii</i> (Weigmann, 1834). Diet. JOSÉ GABRIEL MARTÍNEZ-FONSECA, FIONA A. REID, AND JAVIER SUNYER	480
<i>Aspidoscelis lineattisima</i> (Cope, 1878). Diet. FABIO GERMÁN CUPUL-MAGAÑA, FRANK MC CANN, ARMANDO H. ESCOBEDO-GALVÁN, AND JULIO C. ESTRADA-ÁLVAREZ.	482
<i>Aspidoscelis guttata</i> (Wiegmann, 1834). Opportunistic water acquisition. STEPHANYE MATA-GONZÁLEZ, VICENTE MATA-SILVA, DOMINIC L. DESANTIS, ELÍ GARCÍA-PADILLA, AND LARRY DAVID WILSON	483
<i>Mesaspis gadovii</i> (Gadow's Alligator Lizard). Saurophagy. RUFINO SANTOS-BIBIANO, GUILLERMO, A. WOOLRICH-PIÑA, ELIZABETH BELTRÁN-SÁNCHEZ, AND FAUSTO R. MÉNDEZ-DE LA CRUZ	484
<i>Sceloporus spinosus</i> Wiegmann, 1828. Diet. FERNANDO HIDALGO-LICONA, RACIEL CRUZ-ELIZALDE, AND AURELIO RAMÍREZ-BAUTISTA.	487
<i>Sceloporus vandenburgianus</i> (Cope, 1986). Kyphosis and scoliosis. JORGE H. VALDEZ-VILLAVICENCIO, BRADFORD D. HOLLINGSWORTH, AND PATRICIA GALINA-TESSARO	488
<i>Boa imperator</i> Daudin, 1803. Diet. CARLOS J. PAVÓN-VÁZQUEZ, LEVI N. GRAY, BRITTNEY A. WHITE, AND ALEXIS S. HARRISON	490
<i>Clelia clelia</i> (Daudin, 1803). Predation. JAMES R. McCRANIE	492
<i>Crotalus basiliscus</i> . Arboreal habitat use/ Litter size. JESÚS A. LOC-BARRAGÁN, RUBÉN A. CARBAJAL-MÁRQUEZ, GUILLERMO A. WOOLRICH-PIÑA, AND ROY R. NAVARRO-OROZCO.	494
<i>Crotalus intermedius</i> Troschel, 1865. Arboreality. ELÍ GARCÍA-PADILLA, CIRO A. RODRÍGUEZ-PÉREZ, VICENTE MATA-SILVA, DOMINIC L. DESANTIS, AND LARRY DAVID WILSON	496

<i>Ficimia publia</i> . Reproduction.	
STEPHEN R. GOLDBERG	498
<i>Imantodes gemmistratus</i> . Endoparasites.	
ARTURO HERNÁNDEZ-OLASCOAGA, PIERRE CHARRUAU, AND MARCO A. LÓPEZ-LUNA	499
<i>Masticophis mentovarius</i> (Duméril, Bibron & Duméril, 1854). Diet.	
FABIO GERMÁN CUPUL-MAGAÑA, FRANK MC CANN, AND ARMANDO H. ESCOBEDO-GALVÁN	500
<i>Micrurus diastema</i> (Duméril, Bibron & Duméril, 1854). Arboreal behavior.	
JORGE VALENCIA-HERVERTH, LEONARDO FERNÁNDEZ-BADILLO, AND GUADALUPE VARGAS LICONA	501
<i>Rena maxima</i> (Giant Blindsnake). Clutch size and maximum length.	
RUFINO SANTOS-BIBIANO, LAURA I. FLORENTINO MELCHOR, ELIZABETH BELTRÁN-SÁNCHEZ, AND FAUSTO R. MÉNDEZ-DE LA CRUZ	503
<i>Senticolis triaspis</i> (Cope, 1866). Diet.	
JOSÉ GABRIEL MARTÍNEZ-FONSECA, FIONA A. REID, AND JAVIER SUNYER	505
Distribution Notes	506
<i>Craugastor noblei</i> (Barbour and Dunn, 1921).	
KEVIN O. SAGASTUME-ESPINOZA	506
<i>Norops pentaprion</i> (Cope, 1862).	
ALLAN ANTONIO GUTIÉRREZ RODRÍGUEZ, NELSON TOVAL HERRERA, AND JAVIER SUNYER	507
<i>Hemidactylus turcicus</i> (Linnaeus, 1758).	
VICENTE MATA-SILVA, ELÍ GARCÍA-PADILLA, DOMINIC L. DESANTIS, AND LARRY DAVID WILSON	508
<i>Mesoscincus altamirani</i> (Dugès, 1891).	
VÍCTOR H. JIMÉNEZ-ARCOS, RAFAEL ALEJANDRO CALZADA-ARCINIEGA, CESAR TOSCANO-FLORES, RAÚL GÓMEZ TREJO-PÉREZ, AND ANÍBAL HELIOS DÍAZ DE LA VEGA-PÉREZ	510
<i>Boa imperator</i> (Daudin, 1803).	
ELÍ GARCÍA-PADILLA, DOMINIC L. DESANTIS, VICENTE MATA-SILVA, JERRY D. JOHNSON, AND LARRY DAVID WILSON	511
First record and distribution extension of <i>Enulius flavitorques</i> (Cope, 1869) (Squamata: Colubridae) in Tabasco, Mexico.	
EDER HERNÁNDEZ-VALADEZ, ERICK HERNÁNDEZ-ESTAÑOL, ROSARIO BARRAGÁN-VÁZQUEZ, PIERRE CHARRUAU, AND MARCO A. LÓPEZ-LUNA	512
<i>Leptophis mexicanus</i> (Duméril, Bibron & Duméril, 1854).	
LEONARDO FERNÁNDEZ-BADILLO AND GONZALO HERNÁNDEZ-HERNÁNDEZ	514
<i>Geophis semidoliatus</i> (Duméril, Bibron & Duméril, 1854).	
LUIS F. VÁZQUEZ-VEGA, LUIS CANSECO-MÁRQUEZ, MANUEL M. ACOSTA-SÁNCHEZ, AND OSCAR A. FLORES-VILLELA	514

<i>Leptodeira nigrofasciata</i> Günther, 1868. ANA PAULINA TÉLLEZ-ESCALANTE, RICARDO PALACIOS-AGUILAR, AND LOUIS W. PORRAS	516
First record of <i>Trimetopon pliolepis</i> Cope, 1894 (Reptilia: Squamata: Dipsadidae) from Nicaragua. ALLAN ANTONIO GUTIÉRREZ RODRÍGUEZ AND JAVIER SUNYER	517
New records of <i>Thamnophis pulchrilatus</i> (Squamata: Natricidae) from the state of Hidalgo, Mexico. LEONARDO FERNÁNDEZ-BADILLO, CRISTIÁN R. OLVERA-OLVERA, SHARON Y. VALDEZ-RENTERÍA, FERDINAND TORRES-ÁNGELES, AND IRENE GOYENECHEA	519
<i>Crotalus campbelli</i> Bryson Jr, Linkem, Dorcas, Lathrop, Jones, Alvarado-Díaz, Grünwald, and Murphy, 2014. UBALDO SEBASTIÁN FLORES-GUERRERO AND JANIN SUJEY SÁNCHEZ-GONZÁLEZ	524
<i>Crotalus intermedius</i> (Troschel, 1865). LEONARDO FERNÁNDEZ-BADILLO, CRISTIAN RAÚL OLVERA-OLVERA, AND FERDINAND TORRES-ANGELES	526
Notable distributional records of amphibians and reptiles from Guerrero, Mexico. RICARDO PALACIOS-AGUILAR, RUFINO SANTOS-BIBIANO, AND ELIZABETH BELTRÁN-SÁNCHEZ	527
First records for Cozumel Island, Quintana Roo, Mexico: <i>Eleutherodactylus planirostris</i> (Anura: Eleutherodactylidae), <i>Trachycephalus typhonius</i> (Anura: Hylidae), and <i>Indotyphlops braminus</i> (Squamata: Typhlopidae). CARLOS J. PAVÓN-VÁZQUEZ, LEVI N. GRAY, BRITTNEY A. WHITE, URI O. GARCÍA-VÁZQUEZ, AND ALEXIS S. HARRISON	531
Miscellaneous Notes	534
A new Mexican locality for the endangered salamander <i>Nyctanolis pernix</i> (Caudata: Plethodontidae). CÉSAR L. BARRIO-AMORÓS, CHRISTOPH I. GRÜNWARD, HÉCTOR FRANZ-CHÁVEZ, AND BRANDON T. LA FOREST.	534
<i>Urotheca guentheri</i> in Darién, Panama, at the northern extreme of the Chocó Biogeographic Region. LUIS ELIZONDO	536



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@uttyler.edu

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

Ileri Suazo-Ortuño
Universidad Michoacana de San Nicolás
de Hidalgo

Oscar Flores-Villela
Universidad Nacional Autónoma de México

Guillermo Alfonso Woolrich-Piña
ESIA Ticomán “Ciencias de la Tierra” IPN

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



© Josimar Estrella

OUR COVER IMAGE

Juan G. Abarca is a herpetologist specializing in tropical biology who graduated from the Universidad Nacional de Costa Rica, in Heredia. Currently, he is working on a Master's degree in microbiology, with emphasis in bacteriology, at the Universidad de Costa Rica. Juan's research involves interactions among amphibian microorganisms, primarily bacteria and the pathogenic chytrid fungus, as well as monitoring critically endangered species. Pictured on the cover is a *Hypsiboas rufitelus* photographed on a spadix of a plant (Araceae) at Finca La Anita Rainforest Ranch, along the foothills (elev. 350 m) of Volcán Rincón de la Vieja, Provincia de Guanacaste, Costa Rica.