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**Appendix:** Twenty-eight *A. canorus* from California examined by county from the herpetology collection of the Natural History Museum of Los Angeles County (LACM), Los Angeles, California, USA.

**LACM Fresno County:** 11864, 11869, 11873, 11877, 11883, 74566; **LACM Inyo County:** 1043-1045; **LACM Madera County:** 1062, 1074; **LACM Mono County:** 26291, 26295, 26296, 26298, 26303, 26304, 26306, 26309, 26311, 26313, 26319-26323, 26325, 87432.

## JOURNAL RESOURCE

# Sonoran Herpetologist and Tucson Herpetological Society Newsletter Index of Arizona Amphibian and Reptile Articles

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The following is a listing of *Sonoran Herpetologist* (May 1990 to March 2021) and the Tucson Herpetological Society (THS) Newsletter (February 1988 to April 1990) issues and page numbers that contain articles about Arizona amphibians and reptiles. The list is by species, arranged chronologically within species, and is formatted as follows: Year(number):page number(s) (topic abbreviations). Articles from the first four years (February 1988 through December 1991) are contained in the *Collected Papers of the THS* (Hardy 1992) and are cited in the listing as “CP” rather than the year and number published. Topic abbreviations are listed at the end of the list. Scientific names have changed, sometimes substantially, since the first issue of the Tucson Herpetological Society Newsletter in 1988. This list of Arizona herpetofauna follows largely from Brennan and Babb (2015), Owens et al. (2019), and Holycross and Mitchell (2020). Current accepted scientific names (primarily from [amphibiaweb.org](http://amphibiaweb.org) and [reptiledatabase.org](http://reptiledatabase.org)) are shown in bold. Previous names that may have been used in articles are listed but not in bold. *Pseudacris regilla* is considered a species complex whose current taxonomy is unresolved (Jadin et al. 2021). Specific identification of these frogs in Arizona is further complicated by unknown sources of introductions. Hekkala et al. (2011) proposed that *Rana chiricahuensis* from portions of the Mogollon Rim region in Arizona and western New Mexico were actually *Rana fisheri*, however, based on larger sample sizes and further analysis, Herrmann et al. (2021) rejected that arrangement and reestablished the previous taxonomy so that only *Rana chiricahuensis* occurs in the U.S. and *Rana fisheri* is presumed extinct. *Aspidoscelis flagellicaudus* is now considered a junior synonym of *A. sonorae* (Taylor et al. 2018). *Sceloporus magister* and *S. bimaculosus* are very similar; I assume here that the

latter species occurs in the Chihuahuan Desert and the former elsewhere in Arizona (Leaché and Mulcahy 2007). *Salvadora hexalepis* and *S. deserticola* are considered separate species herein (see Degenhardt et al. 1996, Rorabaugh and Lemos-Espinal 2016).

The purpose of this listing is to assist those interested in researching the systematics, ecology, and conservation of Arizona’s herpetofauna. In particular, two books – *Amphibians and Turtles of Arizona* and *Lizards of Arizona* – are now in preparation and hopefully the editors and authors of the species accounts in those books will find this listing useful. The first in this book series – *Snakes of Arizona* – was published recently (Holycross and Mitchell 2020).

To compile this list, I perused all articles in the *Collected Papers* and *Sonoran Herpetologist* and noted significant observations or notes. Simple mention of a species, such as during a field trip at a location where the species is known to occur, did not make the cut as to what was included. Rather, the references below direct readers to what I considered to be significant, although sometimes small, contributions to the knowledge of a species. I acknowledge that this approach is somewhat subjective and some may believe I left out important notes or included some that are not significant. I did not include material from book reviews, obituaries, and announcements of speakers; however, all other types of articles were perused and are included in the list below.

From the first issue in February 1988 through January 1999, most of the articles were transcripts of monthly talks and associated questions and answers. These transcripts were compiled by Dr. Dave Hardy in collaboration with the speakers. After that time, the *Sonoran Herpetologist* hosted articles that were in a journal format, including natural history notes, 100-Mile Circle species accounts, and reviews of cur-

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rent research, among others. Articles are not formally peer reviewed, but there are a number of editors who review articles and work with authors to correct problems. Note that many of the 100-Mile Circle species accounts, plus many accounts that were never published in the *Sonoran Herpetologist*, can be found on the Tucson Herpetological Society website and contain much useful information on Arizona herpetofauna. However, during website revisions in 2019, some of the photos, figures, and text were deleted and no new accounts or revisions of accounts have been posted since early 2019.

*Gopherus morafkai* had the greatest number of articles that contained significant information (70), followed closely by *Crotalus atrox* (65). *Heloderma suspectum* had the largest number of articles for a lizard (57) and *Rana chiricahuensis* the largest for an amphibian (39).

Early histories of the THS Newsletter and *Sonoran Herpetologist* can be found in the Preface to the *Collected Papers* and in the February 1998 issue of the *Sonoran Herpetologist*. They were monthly publications through 2012, after which the *Sonoran Herpetologist* became quarterly. Lists of articles that include authors and titles were published by Hardy (2002 – for the years 1988 to 2001) and Clark (2017 – for the years 1988 to 2016). Howard Clark published annual lists of articles in the December issues for the years 2017 through 2020.

## AMPHIBIANS:

### Ambystomidae

*Ambystoma mavortium/tigrinum*: CP:93-96 (D, NH), 1993(12):116 (Di, NH), 1998(1):7-8 (C, NH), 1998(5):56 (C, S, D, R, Di, NH), 1999(1):2-5 (D, NH), 1999(7):76 (NH), 1999(10):106 (R, NH), 2002(3):31 (C), 2003(2):21 (C), 2006(4):41-42 (C), 2006(6):62-63 (C), 2006(11):122-125 (C), 2008(3):26-31 (D, C), 2008(4):42 (NH), 2009(11):118-122 (D, R, NH), 2012(6):57 (D), 2014(4):95-102 (D), 2021(1):22-23 (C, NH)

### Plethodontidae

*Ensatina eschscholtzii*: None

### Bufonidae

*Anaxyrus/Bufo cognatus*: CP:43-45 (D, NH), CP:93-96 (D, NH, H), CP:99-103 (D), 1998(8):92 (NH), 1999(1):2-5 (D, NH), 2001(2):14-15 (P), 2002(12):136 (SA), 2003(1):9 (D, NH), 2003(4):38-42 (D, C, NH), 2004(12):118 (P), 2005(7):74-79 (D, NH), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH), 2017(1):10-12 (S)

*Anaxyrus/Bufo debilis*: CP:199-203 (D, NH, C), 2004(7):74-76 (P, D, NH), 2005(7):74-79 (D), 2011(9):82-85 (SA), 2012(3):26 (Di), 2019(1):3-5

(R, NH)

*Anaxyrus/Bufo microscaphus*: CP:43-45 (NH), 1998(1):7-8 (C), 1998(4):44 (S, D, C, NH), 2000(2):19 (S), 2000(6):68 (NH), 2007(11):116-117 (D), 2011(2):14-15 (SA), 2017(1):10-12 (D, C, S, R, NH), 2021(1):6-7 (R, NH)

*Anaxyrus/Bufo punctatus*: CP:43-45 (D, NH), CP:75-86 (D, NH), CP:93-96 (D, NH), CP:135-138 (S), CP:151-154 (D, R, NH), CP:237-238 (D, NH), 1995(3):20-27 (D, S, NH), 1996(11):114, 119-121 (D), 1998(8):92 (NH), 1999(10):106 (R, NH), 2002(10):116-117 (P), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH), 2012(3):26 (Di), 2012(9):83-88 (C), 2012(11):109-110 (S, C, NH), 2017(1):10-12 (S)

*Anaxyrus/Bufo retiformis*: CP:43-45 (D, NH, C), CP:93-96 (D, NH, H), 1999(10):106 (R, NH), 2002(5):54 (SA), 2004(7):74-76 (C, D, NH), 2005(7):74-79 (D), 2009(10):106-110 (D, C), 2017(1):10-12 (S), 2020(4):97-98 (R, NH)

*Anaxyrus/Bufo woodhousii*: CP:43-45 (NH), CP:93-96 (D, NH), CP:99-103 (D), 1995(3):20-27 (D, S), 2000(2):19 (S), 2004(1):5 (S, R, NH), 2007(4):38-42 (D), 2007(11):116-117 (D), 2009(10):106-110 (D, C), 2009(11):118-122 (D, C, R, NH), 2012(9):83-88 (C), 2017(1):10-12 (D, C, S, R, NH)

*Incilius/Bufo alvarius*: CP:43-45 (D, NH), CP:75-86 (D, NH), CP:93-96 (D, NH), CP:99-103 (D), CP:135-138 (S), CP:143-148 (NH), CP:237-238 (Di, NH), 1991(8):168-169, 1994(7):56 (NH), 1996(3):19-22 (C), 1997(5):50-52 (C), 1998(8):92 (NH), 1999(1):2-5 (D, NH), 1999(10):106 (R, NH), 2000(4):38-40 (D), 2002(10):116-117 (P), 2003(4):38-42 (D, C, NH), 2005(7):74-79 (D, NH), 2006(5):54-55 (P, NH), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(10):106-110 (D, C), 2009(10):110, 112-113 (C), 2009(11):118-122 (D, R, NH), 2010(8):108-115 (P), 2012(1):4-6 (C, NH), 2012(9):83-88 (C), 2016(2):26-27 (P, NH), 2017(4):72-80 (D, NH), 2018(3):38-39 (R, NH), 2019(1):9-12 (NH)

### Craugastoridae

*Craugastor/Eleutherodactylus/Hylactophryne augusti*: CP:75-86 (D, NH), CP:93-96 (NH, H), 1997(12):134-135 (Di, D, R, NH), 2003(7):54-56 (SA), 2004(7):72-73 (D, NH), 2012(9):83-88 (C)

### Eleutherodactylidae

*Eleutherodactylus marnockii*: None

### Hylidae

*Hyla/Dryophytes arenicolor*: CP:93-96 (D, NH), 1993(2):14-21 (C), 1994(11):96-102 (NH), 1995(3):20-27 (D, NH), 1999(1):2-5 (D, NH),

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1999(9):100 (S), 2000(2):14-18 (D), 2000(3):30 (C, NH), 2000(11):121-125 (C, NH), 2001(1):9 (C, NH), 2005(4):39-42 (SA), 2006(11):122-125 (C), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2008(9):98 (NH), 2008(10):106-109 (S, D, NH), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH), 2012(9):83-88 (C), 2012(11):109-110 (S, C, NH), 2020(2):21-23 (R, NH)

*Hyla/Dryophytes wrightorum/eximia*: CP:93-96 (D, NH), 2002(10):116-117 (P), 2008(3):32-33 (C), 2011(11):110-114 (SA), 2012(6):57 (D), 2014(4):95-102 (S, D), 2018(4):63-64 (R, NH)

*Pseudacris/Hyliola/Hyla/ regilla complex/hypochondriaca*: 1994(7):57-58 (C), 1999(4):41-42 (C, NH)

*Pseudacris maculata*: 1993(2):14-21 (C), 2004(8):82-85 (R, D, NH)

*Smilisca/Pternohyla fodiens*: CP:43-45 (D, NH, C), CP:75-86 (D, NH), CP:93-96 (D, NH), 2002(9):104 (SA), 2005(7):74-79 (D)

#### Microhylidae

*Gastrophryne mazatlanensis/olivacea*: CP:43-45 (D, NH, C), CP:75-86 (D, NH), 2002(7):80 (SA), 2002(10):116-117 (P, NH), 2003(4):38-42 (D), 2005(7):74-79 (D), 2006(12):137-141 (D), 2007(4):38-42 (D), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH), 2014(4):95-102 (D)

#### Pipidae

*Xenopus laevis*: 1994(11):96-102 (NH), 2005(3):29 (C), 1995(5):50 (C), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH)

#### Ranidae

*Rana/Lithobates*: CP:43-45 (C, NH), CP:93-96 (D, NH, C, H), 1999(11):124 (C, NH), 2000(4):42 (C, NH), 2000(12):134-141 (D, C, NH), 2002(3):31 (C)

*Rana/Lithobates berlandieri*: CP:199-203 (D, C, NH), 1993(2):14-21 (NH), 1996(2):14 (D), 1998(4):43-44 (D, C, NH), 2000(3):30 (C, NH), 2012(9):83-88 (C), 2013(2):56-61 (SA)

*Rana/Lithobates blairi*: CP:43-45 (C), 1993(2):14-21 (C, NH), 1995(4):38 (C, NH), 1998(4):43-44 (D, C, NH), 2000(3):30 (C, NH), 2000(11):121-125 (C, NH), 2011(3):20-22 (P)

*Rana/Lithobates catesbeiana/catesbeianus*: CP:43-45 (C), CP:151-154 (D), CP:199-203 (D, C, NH), 1993(2):14-21 (C, Di), 1993(9):93 (C), 1998(4):43-44 (D, C, NH), 2000(3):30 (C, NH), 2000(11):121-125 (C, NH), 2002(10):116-117 (P), 2005(5):50-52 (NH, C), 2005(12):138-140 (C, NH), 2006(4):41-42 (C), 2006(7):74-77 (NH, C), 2007(4):38-42 (D), 2007(8):86 (C), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2008(7):78 (C), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH), 2011(5):47-51 (Di), 2012(6):55 (C, NH), 2012(6):57 (D), 2012(9):83-88 (C), 2021(1):13-14 (Di, NH)

*Rana/Lithobates chiricahuensis/subaquavocalis/fisheri*: CP:151-154 (D, NH), 1993(2):14-21 (C, NH), 1994(11):96-102 (NH), 1995(4):38 (C, NH), 1995(9):95 (C), 1996(9):96-98 (NH), 1998(1):7-8 (C), 1998(4):43-44 (D, C, NH), 1998(7):78 (P, C, NH), 1998(7):79 (C), 1999(8):87 (C, P), 2000(1):8-9 (S), 2000(3):30 (C, NH), 2000(5):51, 56 (C, NH), 2000(7):75 (C), 2000(11):121-125 (C, NH), 2000(9):102-103 (C), 2001(9):103 (C), 2001(10):112-113 (C, NH), 2002(7):77 (C, NH), 2002(10):116-117 (P), 2003(12):115 (C), 2004(2):13, 22 (C), 2005(5):50-52 (S, C), 2005(12):138-140 (C, NH), 2006(4):41-42 (C), 2006(6):62-63 (C), 2006(7):74-77 (C), 2007(1):3-4 (C), 2007(8):84 (C), 2008(7):74-77 (C), 2008(7):81 (C), 2009(6):68 (C), 2010(4):64 (C), 2011(5):47-51 (C, NH), 2012(6):55 (C), 2012(6):57-58 (C), 2014(3):61-70 (SA), 2020(3):62-63 (R, NH)

*Rana/Lithobates onca*: CP:43-45 (C), 1993(2):14-21 (NH), 1998(1):7-8 (C), 1998(4):43-44 (D, C, NH), 2000(1):8-9 (S), 2010(6):88 (S), 2011(6):62 (C)

*Rana/Lithobates pipiens*: 1993(2):14-21 (S, C, NH), 1994(11):96-102 (NH), 1995(4):38 (C, NH), 1998(1):7-8 (C), 1998(4):43-44 (D, C, NH), 1998(7):79 (C), 2002(8):89 (C), 2006(11):122-125 (C), 2009(9):100 (C)

*Rana/Lithobates sphenoccephala*: 2011(3):20-22 (P)

*Rana/Lithobates tarahumarae*: CP:43-45 (C, D, NH), CP:75-86 (D, NH), CP:91-92 (C, D, NH), CP:93-96 (D, NH, C, H), 1993(2):14-21 (C, NH), 1993(8):76-83 (C), 1998(1):7-8 (C, NH), 1998(4):43-44 (D, C, NH), 1998(7):79 (C), 1999(7):73-74 (C, NH), 2002(8):85 (C), 2003(6):45 (C, NH), 2003(10):94 (C), 2004(7):70 (C), 2004(11):102-106 (C), 2006(7):74-77 (C), 2006(12):134-136 (NH), 2011(12):123-131 (D), 2012(9):83-88 (C), 2013(4):80-85 (SA), 2020(1):2-3 (R, NH)

*Rana/Lithobates yavapaiensis*: CP:75-86 (D, NH), 1993(2):14-21 (C, NH), 1995(4):38 (C, NH), 1998(4):43-44 (D, C, NH), 1998(7):78 (P, C, NH), 1998(7):79 (C), 1998(8):92 (C, NH), 2000(1):8-9 (S), 2000(3):30 (C, NH), 2000(11):121-125 (C, NH), 2001(5):55 (C), 2001(10):112-113 (C, NH), 2002(7):76 (C, NH), 2002(9):98-99 (C), 2002(10):116-117 (P), 2003(4):38-42 (D, NH), 2004(9):87 (C), 2005(5):50-52 (S, C), 2005(11):128 (NH), 2005(12):138-140 (C, NH), 2006(7):74-77 (C), 2006(11):122-125 (C), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2008(7):78 (C), 2008(10):106-109 (S, C, NH), 2009(10):106-110 (D, C), 2009(11):118-122 (D, C, R, NH), 2010(1):4-5 (C), 2010(6):88 (S), 2011(5):47-51 (C, NH), 2011(12):123-131 (D), 2012(6):57 (C, NH), 2012(6):58 (C, NH), 2012(9):83-88 (C), 2019(4):62-64 (R, NH)

#### Scaphiropodidae

*Scaphiopus couchii*: CP:43-45 (D, NH), CP:75-86 (D, NH), CP:93-96 (D, NH, H), CP:135-138 (S), CP:151-154 (D, Di, R, NH), 1998(8):92 (NH), 1999(1):2-5 (D, NH), 1999(10):106 (R, NH), 2003(4):38-42 (D, NH), 2006(1):8-9 (NH), 2009(10):106-110 (D, C), 2009(11):118-122 (D,

R, NH), 2013(1):3-8 (R), 2014(1):4-7 (S, R, Si, D, NH), 2018(2):28-29 (R, NH), 2019(3):54-57 (SA)

*Spea/Scaphiopus bombifrons*: CP:93-96 (D, NH, H), CP:151-154 (D, Di, R, NH), 2017(4):65-67 (R, NH)

*Spea/Scaphiopus intermontana*: CP:93-96 (D, NH, H)

*Spea/Scaphiopus multiplicata*: CP:93-96 (D, NH, H), CP:151-154 (D, Di, R, NH), 2002(10):116-117 (P), 2003(4):38-42 (D, C, NH), 2004(7):74-76 (P, D, NH), 2007(4):38-42 (D), 2009(10):106-110 (D, C), 2009(11):118-122 (D, R, NH), 2012(6):56 (S), 2012(9):83-88 (C), 2012(11):109-110 (S, C, NH), 2019(2):17-19 (R, NH)

## REPTILES

### Chelydridae

*Chelydra serpentina*: 2001(5):50-51 (Di, NH), 2008(11):118-122 (D, NH)

### Emydidae

*Chrysemys picta*: 2008(11):118-122 (D, NH), 2008(12):130-135 (C)

*Terrapene ornata*: CP:87-88 (C), CP:199-203 (D, NH, C), 1994(7):58 (C), 1997(5):50-52 (C), 2005(12):138-140 (D, C, NH), 2006(3):30-31 (NH), 2008(3):26-31 (D, C), 2008(11):118-122 (D), 2008(12):130-135 (C), 2009 (4):38-43 (S, C, NH), 2009(12):38-43 (S, C), 2011(6):62 (C), 2011(8):78 (C), 2017(4):72-80 (NH)

*Trachemys scripta*: CP:43-45 (D, NH), 2005(6):65-66 (SA), 2008(11):118-122 (D, NH), 2008(12):130-135 (C), 2009(22):38-43 (S, C)

### Kinosternidae

*Kinosternon arizonense/flavescens arizonense*: CP:43-45 (D, NH, C), 2000(12):134-141 (D, C), 2008(12):130-135 (C)

*Kinosternon flavescens*: 2008(11):118-122 (D, NH), 2007(11):116-117 (D), 2008(12):130-135 (C)

*Kinosternon sonoriense*: CP:43-45 (D, NH), CP:75-86 (D, NH), 1996(12):128 (C, NH), 1999(8):87 (C, P), 1999(1):2-5 (D, NH), 2000(12):134-141 (D, C, NH), 2003(4):38-42 (D, NH), 2003(9):77 (NH), 2005(5):50-52 (C), 2007(4):38-42 (D), 2007(11):116-117 (D), 2007(12):129 (NH), 2008(3):26-31 (D, C), 2008(11):118-122 (D, NH), 2008(12):130-135 (C), 2011(5):47-51 (P)

### Testudinidae

*Gopherus*: CP:65-70 (C, H), CP:75-86 (D, NH), CP:87-88 (H, C), CP:89-90 (H), CP:118 (NH, C, H), CP:143-148 (NH), 1998(3):26-30 (C, NH), 2010(8):108 (S, C)

*Gopherus/Xerobates agassizii*: CP:116 (C), CP:175-178 (C, NH), CP:237-238 (D, NH), 1991(12):200-206 (H), 1993(8):76-83 (C), 1996(6):55-56 (C), 1999(1):2-5 (D, NH), 1999(7):70-72 (R), 2000(6):65 (C, NH), 2000(7):81 (C, NH), 2000(9):98-102 (R, NH), 2001(6):61, 63, 67-69 (C), 2001(9):101-102 (C), 2002(3):31 (C), 2003(3):30 (C, NH), 2003(8):62-67 (S, C, NH), 2004(5):50-53 (NH),

2006(2):20 (C), 2007(9):97 (NH), 2008(2):17-19 (Di, C, NH), 2008(6):62-65 (S, C, D), 2008(9):101-102 (C), 2008(10):110 (C, NH), 2008(10):112 (C), 2008(11):118-122 (C), 2008(12):130-135 (C), 2009(7):78 (C), 2009(7):80 (C), 2010(11):155 (C, NH), 2011(6):56-58 (NH), 2011(7):71-72 (C, S), 2011(10):106-107 (C), 2013(4):85-89 (NH), 2016(4):65-71 (S), 2017(1):16 (NH), 2018(3):56-57 (Di, NH)

*Gopherus morafkai/agassizii*: CP:65-70 (C, H), CP:135-138 (C), CP:175-178 (C, NH), CP:237-238 (D, NH), 1999(2):14-17 (NH), 1993(3):27-28 (NH), 1993(4):40-42 (NH), 1995(9):106 (NH), 1996(2):9-12 (NH), 1996(4):31-35 (D, NH), 1996(8):79-83 (NH), 1996(11):114, 119-121 (D), 1998(4):40-42 (NH), 1998(8):86-89 (C, NH), 1998(12):134-136 (D), 1999(1):2-5 (D, NH), 1999(6):62-64 (NH), 1999(7):70-72 (R), 2000(3):26-30 (NH), 2000(6):65 (C, NH), 2000(7):81 (C, NH), 2000(9):98-102 (R, NH), 2001(3):26-31 (NH), 2001(4):43 (C), 2002(4):38-41 (NH), 2002(7):78-79 (D, C, NH), 2003(1):6-7 (NH, C), 2003(8):62-67 (S, C, NH), 2003(11):102 (Di), 2003(12):112 (P, NH), 2004(5):50-53 (NH), 2005(3):30-31 (P), 2005(10):115 (NH), 2006(2):20 (C), 2006(12):137-141 (D), 2007(1):3-4 (C), 2007(4):38-42 (D), 2007(7):73 (Di), 2007(11):116-117 (D), 2007(11):118 (C), 2008(3):26-31 (D, C), 2008(6):62-65 (S, C, D), 2008(8):86-89, 2008(9):99 (NH), 2008(10):110 (C, NH), 2008(11):118-122, 2008(11):124 (C), 2008(12):130-135 (C), 2008(12):136 (C), 2009(5):53 (NH), 2009(9):98-100 (C), 2010(2):14-22 (NH), 2010(3):31-46 (NH), 2010(3):47-49 (C, NH), 2011(1):4-5 (C, D), 2011(6):56-58 (R, C, NH), 2011(6):58-59 (C, D), 2011(7):71-72 (C, S), 2012(1):4-6 (C, NH), 2012(3):26 (C), 2012(6):54 (S), 2012(6):55 (C, NH), 2012(6):58-59 (C, NH), 2013(4):85-89 (NH), 2014(4):91-95 (Di, C, NH), 2015(1):10-11 (Di, R, NH), 2016(4):60-63 (P), 2018(3):56-57 (Di, NH), 2019(2):37 (R, NH), 2021(1):15-17 (C, NH)

### Trionychidae

*Apalone/Trionyx spinifera*: CP:43-45 (D, NH), CP:97-98 (D), 2007(9):94-95 (SA), 2007(11):116-117 (D), 2008(11):118-122 (D), 2008(12):130-135 (C)

### Anguidae

*Elgaria/Gerrhonotus kingii*: 1992(7):64-69 (C), 1993(7):64-71 (D, NH), 1996(11):114, 119-121 (D), 1998(12):134-136 (D), 1999(2):14-17 (NH), 2000(2):14-18 (D), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2011(7):66-69 (SA), 2014(1):21-30 (R), 2017(4):72-80 (D, NH), 2019(4):95 (D, NH)

### Crotaphytidae

*Crotaphytus bicinctores*: 1995(3):20-27 (D), 2014(1):21-30 (R)

*Crotaphytus collaris*: CP:237-238 (D, NH), 1993(7):64-71 (NH), 1995(3):20-27 (D), 1997(5):50-52 (C), 1998(12):134-136 (D), 2000(3):26-30 (NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(3):33 (D), 2009(9):94-98 (D), 2010(4):57-63 (Di, P, NH), 2014(1):21-

*Crotaphytus nebrisus/collaris nebrisus/insularis*: CP:237-238 (D, NH), 2006(12):137-141 (D), 2009(3):33 (D), 2014(1):21-30 (R)

*Gambelia wislizenii*: 1998(2):13-15 (R, D, Di, NH), 2000(3):26-30 (NH), 2001(3):26-31 (NH), 2003(7):50-52 (S, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(9):94-98 (D), 2010(5):75-77 (SA), 2011(3):22 (NH), 2011(8):76 (Di), 2013(1):3-8 (NH), 2014(1):21-30 (R), 2020(4):99-105 (NH)

#### Eublepharidae

*Coleonyx variegatus*: CP:135-138 (NH), CP:205 (P), 1993(7):64-71 (D, NH), 1998(12):134-136 (D, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(9):94-98 (D), 2010(7):97-102 (SA), 2012(7):65-67 (R, NH), 2014(1):21-30 (R), 2017(4):72-80 (D, NH)

#### Gekkonidae

*Hemidactylus turcicus*: 2008(3):26-31 (D, C)

*Cyrtopodion scabrum*: None

#### Helodermatidae

*Heloderma suspectum*: CP:47-52 (NH, S, B, Di), CP:75-86 (D, NH), CP:143-148 (NH), CP:217-221 (B), CP:237-238 (D, NH), CP:239-245 (H), 1991(12):200-206 (H), 1999(2):14-17 (NH), 1993(4):34-39 (NH), 1993(6):59 (NH), 1993(7):64-71 (D, NH), 1994(3):20-21 (S, NH), 1994(9):74-78 (B), 1995(3):20-27 (D), 1995(4):32-36 (C), 1996(2):9-12 (NH), 1996(6):59 (NH), 1996(8):79-83 (NH), 1996(9):96-98 (NH), 1997(4):44-45 (C, NH), 1997(5):50-52 (C), 1997(10):106-110 (Di, R, D, B, NH), 1997(12):132-133 (R, P, B, C, NH), 1998(8):86-89 (C, NH), 1998(10):115 (C), 1998(12):134-136 (NH, D), 1999(4):43 (C), 2001(3):26-31 (NH), 2002(4):38-41 (NH), 2003(11):102 (C), 2003(12):112 (Di, NH), 2003(12):115 (C), 2004(1):5 (C), 2004(4):41 (C), 2005(3):30-31 (Di), 2005(9):98-101 (Di, C, NH), 2005(11):129 (C), 2007(1):7-9 (NH), 2007(3):31 (D, NH), 2007(4):38-42 (D), 2007(10):104-109 (C), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2008(3):33 (C), 2008(4):42 (D), 2009(2):16-20 (Di, NH), 2009(9):94-98 (D), 2010(2):14-22 (Di, NH), 2010(2):24 (Di), 2010(3):31-46 (NH), 2011(4):30-35 (NH), 2012(2):12-17 (NH), 2012(5):42 (NH), 2014(1):21-30 (R), 2017(2):43-46 (D, NH), 2017(4):70-71 (C, NH)

#### Iguanidae

*Ctenosaura macrolopha/conspicua/hemilopha macrolopha/hemilopha conspicua*: 1992(3):24-27 (D, Di, NH), 2005(11):122-125 (S, NH)

*Dipsosaurus dorsalis*: CP:65-70 (H, NH), CP:135-138 (NH), CP:237-238 (Di, NH), 2001(3):26-31 (NH), 2005(5):54-55 (NH), 2007(11):116-117 (D), 2010(10):136-142 (SA), 2014(1):21-30 (R), 2015(3):27-28 (R, NH), 2018(4):65-70 (NH), 2019(2):36 (Di, NH), 2020(4):99-105 (NH)

*Sauromalus ater/obsesus*: CP:237-238 (Di, NH), 1992(4):32-35, 1992(12):116 (D, C), 1995(3):20-27 (D, NH), 1995(4):32-36 (C, NH), 1996(3):19-22 (C), 1998(8):86-89 (C, NH), 1998(12):134-136 (D), 2000(2):19 (S), 2003(4):44 (NH), 2007(11):116-117 (D), 2008(5):54 (NH), 2009(8):87 (NH, C, D), 2010(2):14-22 (NH), 2014(1):21-30 (R), 2019(2):19-26 (S, D, NH)

#### Phrynosomatidae

*Callisaurus draconoides*: CP:75-86 (D, NH), CP:237-238 (NH), 1993(7):64-71 (D, NH), 1998(12):134-136 (D, NH), 2006(11):128 (P), 2007(1):7-9 (D), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(9):94-98 (D), 2011(3):23-26 (SA), 2012(2):12-17 (NH), 2012(10):99-100 (P, NH), 2013(4):74-76 (R), 2014(1):21-30 (R), 2020(4):99-105 (NH)

*Cophosaurus texanus*: CP:43-45 (D, NH), CP:199-203 (D, NH), 1993(7):64-71 (NH), 1998(12):134-136 (D), 2003(2):16-17 (P), 2008(3):26-31 (D, C), 2009(9):94-98 (D), 2011(3):20-22 (P)

*Holbrookia*: 1993(7):64-71 (D, NH), 2010(12):170-174 (S, D)

*Holbrookia elegans/maculata elegans*: CP:75-86 (D, NH), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2010(12):174-177 (D, NH), 2010(12):177-180 (SA), 2011(5):42-46 (SA), 2014(1):21-30 (R)

*Holbrookia maculata/maculata thermophila/maculata pulchra/maculata approximans*: 2007(3):26-30 (NH), 2010(12):177-180 (SA), 2014(1):21-30 (R), 2015(1):13 (P)

*Phrynosoma*: CP:31-35 (NH), 1999(11):118-121 (C, NH), 2018(3):51-55 (NH), 2020(1):4-10 (S)

*Phrynosoma cornutum*: CP:31-35 (NH), CP:199-203 (D, NH), 1993(7):64-71 (NH), 2001(3):31 (C), 2001(5):49, 53 (C, NH), 2007(8):80-81 (SA), 2009(1):6-7 (P), 2009(6):67 (NH, P), 2009(9):94-98 (D), 2010(3):50 (C, NH), 2011(3):20-22 (P), 2011(10):93-106 (C, NH), 2014(1):21-30 (R), 2018(3):40-50 (C, D, NH), 2018(3):51-55 (NH), 2020(2):39-47 (P, NH)

*Phrynosoma goodei/platyrrhinos*: CP:143-148 (NH), 1999(2):18-19 (P), 2005(5):54-55 (NH), 2007(6):63 (S), 2014(1):21-30 (R), 2018(3):40-50 (C, D, NH)

*Phrynosoma hernandesi/douglassi*: CP:31-35 (NH), CP:143-148 (NH), 1998(12):134-136 (D), 2001(2):16-18 (D), 2004(6):58-61 (NH), 2008(3):26-31 (D, C), 2009(1):6-7 (P), 2009(9):94-98 (D), 2009(10):110, 112-113 (C), 2014(1):21-30 (R), 2018(3):40-50 (C, D, NH)

*Phrynosoma mcallii*: 1995(2):12-14 (C, D, Di, R, NH), 1996(9):90 (C), 1996(10):109 (C), 1997(2):14-18 (Di, D, C, NH), 1997(4):39-44 (NH), 1997(5):52-56 (C), 1997(6):65 (C), 1997(7):77 (C), 1998(1):8 (C), 1999(9):97 (C, NH), 2000(2):21 (C), 2000(9):103-104 (C), 2001(2):15-16 (C), 2001(8):90 (C), 2002(5):56 (C, NH), 2003(1):2 (C), 2005(10):114-115 (C), 2006(8):92 (C), 2007(1):3-4 (C), 2007(6):63 (S), 2007(6):64 (C), 2009(1):6-7 (P), 2009(7):79

(C), 2011(3):20-22 (P), 2014(1):21-30 (R), 2014(3):74-78 (C, NH), 2018(3):40-50 (C, D, NH)

*Phrynosoma modestum*: CP:31-35 (NH), CP:143-148 (NH), CP:199-203 (D, NH), 1993(7):64-71 (NH), 2009(1):6-7 (P), 2009(9):94-98 (D), 2011(3):20-22 (P), 2014(1):21-30 (R), 2018(2):30-31 (P), 2018(3):40-50 (C, D, NH)

*Phrynosoma platyrhinos*: 2007(11):116-117 (D), 2011(3):20-22 (P), 2014(1):21-30 (R)

*Phrynosoma solare*: CP:31-35 (NH), CP:75-86 (D, R, NH), CP:143-148 (NH), 1992(7):64-69 (C), 1995(5):50 (R, NH), 1998(12):134-136 (D), 2000(3):26-30 (NH), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(9):94-98 (D), 2010(8):116-117 (C, NH), 2011(1):4-5 (D), 2011(2):12-13 (C), 2014(1):21-30 (R), 2016(1):5-6 (R, NH), 2017(3):55-58 (Di, R, NH), 2018(3):40-50 (C, D, NH), 2019(4):66-70 (Di, R, NH)

*Sceloporus*: 2003(2):16-17 (P)

*Sceloporus bimaculosus/magister bimaculosus*: 2003(9):78-79 (SA), 2014(1):21-30 (R)

*Sceloporus clarkii*: CP:75-86 (D, NH), CP:237-238 (D, Di, NH), 1993(7):64-71 (NH), 1996(8):79-83 (P), 1998(12):134-136 (D), 2002(4):38-41 (NH), 2003(2):16-17 (P), 2003(2):18-19 (SA), 2006(12):137-141 (D, NH), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2009(9):94-98 (D), 2014(1):21-30 (R), 2020(2):39-47 (P, NH)

*Sceloporus cowlesi/undulatus*: 1993(7):64-71 (NH), 2008(3):26-31 (D, C), 2014(1):21-30 (R), 2015(1):3-4 (R, NH)

*Sceloporus graciosus*: 1997(6):62-65 (NH), 2011(3):20-22 (P), 2014(1):21-30 (R), 2014(2):36-38 (R)

*Sceloporus jarrovi*: CP:75-86 (NH), 1992(7):64-69 (C), 2000(2):14-18 (D), 2001(2):16-18 (D), 2001(6):61 (NH), 2004(4):38-41 (NH), 2006(5):50-53 (D), 2006(7):78-79 (D), 2009(9):94-98 (D), 2012(6):55 (S, NH), 2014(1):21-30 (R), 2017(3):59-60 (NH)

*Sceloporus magister*: CP:237-238 (D, NH), 1995(3):22-27 (D, NH), 1997(6):62-65 (NH), 1998(12):134-136 (D), 2000(3):26-30 (NH), 2003(9):78-79 (SA), 2003(10):90-91 (Di, P, NH), 2006(12):137-141 (D, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(9):94-98 (D), 2014(1):21-30 (R), 2020(2):39-47 (P, NH)

*Sceloporus slevini/scalaris*: 2000(2):14-18 (D), 2004(6):62-63 (SA), 2014(1):21-30 (R), 2014(4):95-102 (D)

*Sceloporus tristichus/undulatus*: 1995(5):50 (P), 2014(1):21-30 (R)

*Sceloporus* “*undulatus*” (uncertain as to which current species was discussed): 2003(2):16-17 (P), 2003(4):38-42 (D), 2006(12):137-141 (D), 2011(3):20-22 (P)

*Sceloporus virgatus*: CP:75-86 (NH), 2000(2):14-18 (D), 2001(2):16-18 (D), 2009(5):52 (NH), 2014(1):21-30 (R)

*Uma rufopunctata/notata*: 2005(5):54-55 (NH), 2014(1):21-30 (R)

*Uma scoparia*: 2016(4):65-71 (S)

*Uma thurmanae/rufopunctata/notata*: 1998(10):110-112 (D, Di, C, NH)

*Urosaurus graciosus*: 2002(8):92 (SA), 2007(11):116-117 (D)

*Urosaurus ornatus*: CP:43-45 (D, NH), CP:75-86 (D, NH), CP:97-98 (D), CP:199-203 (D, NH), CP:237-238 (NH), 1993(7):64-71 (NH), 1995(3):20-27 (D), 1995(4):32-36 (NH), 2003(2):16-17 (P), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2008(6):67 (S), 2009(9):94-98 (D), 2013(2):49-51 (R, NH)

*Uta stansburiana*: CP:43-45 (D, NH), CP:143-148 (NH), CP:237-238 (NH), 1992(12):116 (D, C), 1993(7):64-71 (NH), 1995(4):32-36 (NH), 1996(12):127-128 (NH), 1998(12):134-136 (D), 1999(8):88 (NH), 2003(2):16-17 (P), 2005(3):26-29 (NH), 2007(1):7-9 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(9):94-98 (D), 2011(3):20-22 (P), 2012(10):97-99 (R, NH), 2012(12):132-133 (P), 2014(1):21-30 (R), 2018(2):30-31 (P), 2020(4):99-105 (NH)

#### Scincidae

*Chalcides ocellatus*: 2014(3):59-61 (R, D, NH)

*Plestiodon/Eumeces callicephalus*: CP:75-86 (D, NH), 1996(11):114, 119-121 (D), 2003(6):42-43 (SA), 2014(1):21-30 (R)

*Plestiodon/Eumeces gilberti*: CP:43-45 (D, C), 2007(11):116-117 (D), 2014(1):21-30 (R)

*Plestiodon/Eumeces multivirgatus*: 2012(7):74-76 (R, NH)

*Plestiodon/Eumeces obsoletus*: CP:43-45 (D, NH, C), CP:199-203 (D, NH), 1993(7):64-71 (NH), 1998(12):134-136 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(9):94-98 (D), 2011(12):123-131 (D), 2013(2):33-35 (R)

*Plestiodon/Eumeces skiltonianus*: 2014(1):21-30 (R)

#### Teiidae

*Aspidoscelis/Cnemidophorus*: 2003(2):16-17 (P), 2019(4):70-92 (NH)

*Aspidoscelis/Cnemidophorus exsanguis*: CP:199-203 (D, NH), 2014(1):21-30 (R)

*Aspidoscelis/Cnemidophorus inornatus/arizonae/inornata*: 2000(6):67 (S, D, NH), 2007(8):84 (C), 2014(1):21-30 (R), 2019(4):70-92 (S, D, NH)

*Aspidoscelis/Cnemidophorus pai/inornata/inornatus*: 2019(4):70-92 (S, D)

*Aspidoscelis/Cnemidophorus sonorae/flagellicauda/flagellicaudus*: CP:75-86 (D, NH), 1993(7):64-71 (NH), 1998(12):134-136 (D), 2002(8):90-91 (R, NH), 2003(4):38-42 (D, NH), 2007(4):38-42 (D), 2008(3):26-31 (D, C),

2009(9):94-98 (D), 2014(1):21-30 (R), 2017(4):72-80 (NH), 2020(2):39-47 (P, NH), 2020(3):68 (R, NH), 2020(3):79 (P)

*Aspidoscelis/Cnemidophorus neomexicana*: 2000(6):67 (S, D, NH)

*Aspidoscelis/Cnemidophorus stictogrammus/stictogrammal burti*: CP:43-45 (Di, NH), 2003(4):38-42 (D, NH), 2008(3):26-31 (D, C), 2014(1):21-30 (R), 2017(4):72-80 (D, NH), 2020(4):106-108 (P, D, NH)

*Aspidoscelis/Cnemidophorus tigris*: CP:237-238 (D, NH), 1992(12):116 (D, C), 1993(7):64-71 (NH), 1995(3):20-27 (D), 1995(4):32-36 (NH), 1998(12):134-136 (D), 1999(2):18-19 (P), 1999(9):100-101 (R, Di, NH), 2000(6):67 (S, D, NH), 2002(5):50-53 (R, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(9):94-98 (D), 2014(1):21-30 (R), 2019(4):95 (NH)

*Aspidoscelis/Cnemidophorus uniparens*: 1993(7):64-71 (NH), 2007(4):38-42 (D), 2009(9):94-98 (D), 2014(1):21-30 (R), 2019(4):70-92 (S)

*Aspidoscelis/Cnemidophorus velox*: 2000(6):67 (S, D, NH), 2007(11):116-117 (D), 2014(1):21-30 (R)

*Aspidoscelis/Cnemidophorus xanthonota/burti*: CP:195-197 (NH), 2008(5):50-53 (D), 2014(1):21-30 (R)

#### Xantusiidae

*Xantusia* 1999(7):75 (S), 2003(5):26-29 (S, NH), 2019(2):26-34 (S, D, NH)

*Xantusia arizonae/vigilis*: 2005(2):14-19 (NH), 2008(9):99 (S), 2014(1):21-30 (R), 2015(1):5-10 (R, NH), 2020(2):27-39 (S, D, NH)

*Xantusia bezyi*: 1998(12):134-136 (D), 2005(2):14-19 (NH), 2008(9):99 (S), 2014(1):21-30 (R), 2015(1):5-10 (R, NH), 2020(2):27-39 (S, D, NH)

*Xantusia vigilis*: 2005(2):14-19 (NH), 2007(11):116-117 (D), 2008(5):50-53 (D, NH), 2008(9):99 (S), 2009(12):132-133 (NH), 2010(2):23-24 (NH), 2014(1):7-11 (SA), 2014(1):21-30 (R), 2015(1):5-10 (R, NH), 2019(2):26-34 (S, D, NH), 2020(2):27-39 (S, D, NH), 2021(1):24-32 (S, D)

#### Boidae

*Lichanura/Charina* CP:115-116 (H), CP:143-148 (NH), 1993(9):93 (C), 1993(11):106 (S), 1993(12):116 (C), 1995(2):15 (C), 1995(4):32-36 (C), 1996(3):19-22 (C), 1996(5):43-45 (H, NH), 1997(3):33 (S)

*Lichanura/Charina roseofusca/orcutii/gracia/trivirgata*: 2007(11):116-117 (D), 2009(5):53 (S, D)

*Lichanura/Charina trivirgata*: CP:237-238 (D, NH), 1995(12):128-133 (NH), 2009(5):53 (S, D)

#### Colubridae

*Arizona elegans*: 1995(12):128-133 (NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2019(3):45-46 (Di, NH)

*Chilomeniscus cinctus/stramineus*: 1995(12):128-133 (NH), 2000(10):115 (NH), 2004(3):30 (P), 2008(3):26-31 (D, C), 2008(6):66 (P), 2017(1):13-14 (D)

*Chionactis* 1991(12):200-206 (H), 2014(2):38-44 (SA)

*Chionactis annulata/occipitalis*: 2002(4):42-43 (NH), 2007(11):118 (S, C), 2010(5):74 (C), 2014(2):38-44 (SA), 2020(4):129-136 (S, C, D, NH)

*Chionactis occipitalis/occipitalis occipitalis*: 2014(2):38-44 (SA)

*Coluber constrictor*: 2011(3):20-22 (P)

*Diadophis punctatus*: CP:43-45 (Di, NH), 1999(1):2-5 (D, NH), 2006(12):137-141 (D), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2008(3):32 (B), 2009(6):67 (S), 2009(11):123 (Di), 2011(3):20-22 (P), 2016(2):20-22 (R, NH)

*Gyalopion canum*: CP:143-148 (NH), CP:199-203 (D, NH), 2011(5):47-51 (P)

*Gyalopion quadrangulare*: 2007(4):38-42 (D), 2016(2):24-25 (P, D)

*Heterodon kennerlyi/nasicus*: 2006(9):98-101 (SA, B)

*Hypsiglena chlorophaea/torquata*: CP:75-86 (D, NH), 1992(3):24-27, 1999(1):2-5 (D, NH), 2000(6):67 (Di), 2001(2):14-15 (Di, NH), 2004(3):30 (Di), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2008(6):66 (Di), 2009(1):7 (S, D), 2012(10):99-100 (Di, NH)

*Hypsiglena jani/torquata*: CP:199-203 (D, NH), 2009(1):7 (S, D)

*Lampropeltis*: CP:237-238 (D), CP:239-245 (H), 1995(2):15 (C)

*Lampropeltis californiae/getula*: CP:61-64 (R, H), CP:97-98 (S), 1992(3):24-27, 1993(6):56 (NH), 1999(1):2-5 (D, NH), 2002(9):102-103 (Di, P), 2007(11):116-117 (D), 2013(2):55 (Di, P)

*Lampropeltis knoblochi/pyromelana*: CP:61-64 (H), CP:239-245 (C), 1992(7):64-69 (C), 1993(9):93 (C), 1993(12):116 (C), 1995(4):32-36 (C), 1997(5):50-52 (C), 2008(3):26-31 (D, C), 2020(2):23-26 (D, S, NH)

*Lampropeltis pyromelana*: 2004(3):29-30 (D, NH)

*Lampropeltis splendida/getula*: CP:75-86 (D, NH), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2009(10):110, 112-113 (C)

*Lampropeltis gentilistriangulum*: CP:41 (D, S), CP:143-148 (NH), 1997(5):50-52 (C), 1999(10):108-111 (D, C, NH), 2000(8):86-92 (D, NH), 2003(2):15 (D, H, R, NH)

*Masticophis/Coluber bilineatus*: CP:75-86 (D, NH), CP:237-238 (D, NH), 1998(11):122-125 (Di, NH), 1999(1):2-5 (D, NH), 2001(3):26-31 (NH), 2003(2):16-17 (Di), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 1999(7):72-73 (Di), 2020(4):106-108 (Di)

- Masticophis/Coluber flagellum*: CP:17-23 (Di), CP:75-86 (D), CP:237-238 (Di, NH), 1993(6):56 (NH), 1996(12):127-128 (R), 1998(11):122-125 (R, NH), 1999(1):2-5 (D, NH), 2000(3):26-30 (NH), 2002(5):50-53 (R), 2002(9):102-103 (Di, P), 2004(6):64 (NH), 2005(12):138-140 (Di), 2006(12):137-141 (NH), 2007(1):7-9 (D), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(9):94-98 (D), 2010(11):150-154 (SA), 2011(8):76 (P), 2014(3):78 (R), 2016(4):54-56 (NH), 2020(2):39-47 (R, NH)
- Masticophis/Coluber taeniatus*: CP:181 (NH), 1995(3):20-27 (D)
- Nerodia fasciata*: 2003(6):40-41 (D, Di, R, NH)
- Oxybelis aeneus*: CP:43-45 (D, NH, Di), CP:75-86 (D, NH), 2003(4):38-42 (D, NH), 2009(8):86-87 (NH)
- Phyllorhynchus*: 2006(12):137-141 (D)
- Phyllorhynchus browni*: CP:75-86 (D), 2008(3):26-31 (D, C)
- Phyllorhynchus decurtatus*: CP:75-86 (D), 2007(11):116-117 (D)
- Pituophis catenifer*: CP:17-23 (Di), CP:75-86 (D), 1993(6):56 (NH), 1995(2):15 (C), 1995(12):128-133 (NH), 1996(9):91-95 (NH), 1999(1):2-5 (D, NH), 1999(3):26-28 (NH), 2002(6):68 (SA), 2007(1):7-9 (D), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(5):52 (NH, C), 2009(9):94-98 (D), 2009(10):110, 112-113 (C), 2010(2):14-22 (NH), 2011(11):117-118 (P), 2012(7):78 (NH), 2013(4):71-73 (NH), 2016(4):54-56 (NH), 2021(1):13-14 (Di, NH)
- Rhinocheilus lecontei*: CP:75-86 (D), 1995(12):128-133 (NH), 1996(9):91-95 (NH), 1999(1):2-5 (D, NH), 2002(5):50-53 (R), 2005(8):86-89 (NH), 2006(12):137-141 (D), 2007(1):7-9 (D), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2011(12):123-131 (D, S), 2015(3):29-30 (P)
- Salvadora grahamiae*: CP:199-203 (D, NH), 2008(3):26-31 (D, C)
- Salvadora deserticola/hexalepis*: 2007(4):38-42 (D), 2017(4):72-80 (D, NH)
- Salvadora hexalepis*: 1996(8):79-83 (Di), 1997(6):66 (Di, NH), 1999(1):2-5 (D, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2010(4):57-63 (Di, NH)
- Senticolis/Elaphe triaspis*: CP:75-86 (D, NH), 1993(9):93 (C), 1993(12):116 (C), 1995(2):15 (C), 1999(3):26-28 (NH), 2007(4):38-42 (D), 2009(9):100 (NH), 2010(6):89 (NH), 2016(4):56-57 (R, P, NH), 2020(2):39-47 (R, NH)
- Sonora semiannulata*: CP:159-167 (D), CP:199-203 (D, NH), 1995(11):112-118 (C), 1999(1):2-5 (D, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2016(4):54-56 (NH)
- Tantilla hobartsmithi*: 1993(6):56 (NH), 1999(1):2-5 (D, NH), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2017(4):72-80 (D, NH)
- Tantilla nigriceps*: 2016(4):49-50 (R, NH)
- Tantilla wilcoxi*: CP:75-86 (D, NH), 2013(4):77-79 (SA)
- Tantilla yaquia*: 2007(4):38-42 (D), 2013(2):61-63 (SA), 2014(4):95-102 (D), 2015(2):19-20 (D, NH)
- Thamnophis*: 1998(9):98-101 (S, R, NH)
- Thamnophis cyrtopsis*: CP:75-86 (D), 1995(8):80-84 (D), 1999(1):2-5 (D, NH), 1999(8):87 (C, P), 2002(10):116-117 (Di, NH), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C)
- Thamnophis elegans*: 1995(8):80-84 (NH), 2011(3):20-22 (P)
- Thamnophis eques*: CP:43-45 (NH, C), 1995(8):80-84 (D, Di, NH), 2000(12):134-141 (D, C, NH), 2002(10):116 (SA), 2003(4):38-42 (D, NH), 2005(5):50-52 (C), 2006(2):18 (C), 2006(6):62-63 (C), 2006(11):127 (C), 2007(1):3-4 (C), 2008(7):74-77 (C), 2008(7):80 (C), 2011(5):47-51 (C, NH), 2012(6):57 (D)
- Thamnophis marcianus*: CP:43-45 (C), CP:97-98 (D), 1992(7):64-69 (C), 1995(8):80-84 (NH), 2000(4):38-40 (D), 2000(12):134-141 (D, C), 2004(9):82-86 (NH)
- Thamnophis rufipunctatus*: CP:43-45 (C, D, NH), 1995(8):80-84 (S, Di, NH), 2003(10):86-89 (Di, C, NH), 2003(11):98-101 (Di, C, NH), 2005(5):50-52 (C), 2005(12):138-140 (C, NH), 2007(11):116-117 (D), 2008(7):74-77 (C), 2009(11):123 (P), 2014(3):71 (R, C, NH)
- Trimorphodon lambda/biscutatus*: CP:75-86 (D), 1999(1):2-5 (D, NH), 2002(4):38-41 (NH), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2008(8):90 (NH), 2010(6):82-88 (NH), 2011(4):30-35 (NH)
- Elapidae
- Micruroides euryxanthus*: CP:1-2 (B), CP:37-39 (B), CP:75-86 (D), CP:135-138 (NH), CP:205 (Di, NH), CP:217-221 (B), CP:211-216 (B), CP:237-238 (D), 1993(7):64-71 (Di, D), 1995(3):20-27 (D, NH), 1995(12):128-133 (NH), 1996(11):114, 119-121 (D), 1997(3):33 (S), 1999(1):2-5 (D, NH), 2007(3):31 (D, NH), 2007(4):38-42 (D), 2007(11):116-117 (D), 2008(3):26-31 (D, C)
- Leptotyphlopidae
- Renal/Leptotyphlops* 1991(12):200-206 (H)
- Renal/Leptotyphlops dissecta*: None
- Renal/Leptotyphlops humilis*: CP:199-203 (D, NH), 1997(9):100 (R), 1999(2):18-19 (P), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(3):26 (NH)
- Typhlopidae
- Indotyphlops/Ramphotyphlops braminus*: 1998(9):98-101 (S, R, NH), 2011(12):123-131 (D)



## Viperidae

**Crotalus** CP:1-2 (B), CP:7-9 (B), CP:25-29 (NH), CP:37-39, CP:59-60 (B), CP:65-70 (H), CP:121-125 (B), CP:155-157 (B), CP:211-216 (B), CP:217-221 (B), 1992(8):76-81 (B), 1993(6):57 (NH), 1993(12):116 (C), 1994(9):74-78 (B), 1995(9):90-93 (B), 1996(5):45-46 (C, NH), 1996(6):58 (B), 1996(8):79-83 (NH), 1997(5):50-52 (C), 1997(12):135-136 (B), 1998(2):16-18 (C, B, NH), 1998(6):62-67 (R, B, C, NH), 1998(7):80 (B), 1998(8):90-91 (B), 1999(2):14-17 (NH), 1999(2):18 (B), 1999(3):26-28 (NH), 1999(4):43 (C), 1999(5):50 (NH), 1999(5):55 (C), 1999(7):76 (C), 2000(4):38-40 (Di, R, NH), 2000(6):67 (R, NH), 2000(7):74, 78-80 (B), 2000(8):85 (B), 2000(10):110-114 (NH), 2000(11):126-128 (B), 2001(4):41-41 (B, NH), 2005(8):90-92 (NH), 2015(3):29-30 (P)

**Crotalus atrox:** CP:15-16 (NH), CP:37-39 (B), CP:61-64 (NH, R), CP:71-73 (B), CP:75-86 (D), CP:135-138 (C), CP:199-203 (D, NH), CP:237-238 (NH), 1992(6):52-57 (NH), 1993(1):2-7 (B), 1993(6):56 (NH), 1993(7):64-71 (S), 1995(1):2-5 (B, NH), 1995(11):112-118 (R, P, D, C, NH), 1996(5):42, 48-49 (R, NH), 1996(5):45-46 (C, NH), 1996(9):91-95 (NH), 1997(3):26-31 (C, NH), 1997(4):38-39 (B), 1997(12):130-131 (C, NH), 1998(1):2-5 (C, Di, NH), 1998(5):54-56 (C), 1998(6):62-67 (R, B, C, NH), 1998(7):74-77 (C, NH), 1999(1):2-5 (D, NH), 1999(6):62-64 (R, NH), 1999(12):135 (B), 2000(2):18-19 (NH), 2000(3):26-30 (NH), 2000(6):68 (R, NH), 2001(3):26-31 (NH), 2001(6):62-63 (C, NH), 2002(4):38-41 (NH), 2002(5):50-53 (Di, R, NH), 2003(1):8 (SA), 2003(3):26-30 (R, NH), 2003(9):76 (NH), 2005(12):138-140 (R, P), 2006(8):86-90 (NH), 2006(11):128 (Di), 2007(1):7-9 (D, NH), 2007(4):38-42 (D), 2007(11):116-117 (D), 2007(11):118 (Di, NH), 2008(3):26-31 (D, C), 2008(7):79 (NH), 2009(2):16-20 (NH), 2009(6):66 (S, C), 2010(2):14-22 (R, NH), 2010(2):24 (Di), 2010(6):82-88 (R, NH), 2010(8):108-115 (R), 2010(11):154 (C, NH), 2011(1):4-5 (D), 2011(4):30-35 (NH), 2011(9):86-87 (Di), 2011(11):115-116 (Di), 2012(2):12-17 (R, NH), 2012(4):34 (R), 2012(9):88-89 (Di), 2015(3):29-30 (NH), 2016(4):54-56 (NH), 2017(4):72-80 (Di, NH), 2019(1):9-12 (NH), 2020(3):80 (NH)

**Crotalus cerastes:** CP:17-23 (Di), CP:37-39 (B), CP:75-86 (NH), CP:143-148 (NH), CP:237-238 (NH), 1992(6):52-57 (D), 1996(9):91-95 (NH), 1997(12):130-131 (C, NH), 2000(3):26-30 (NH), 2001(3):26-31 (NH), 2007(1):7-9 (D), 2007(9):96 (NH), 2007(12):128-129 (NH), 2009(2):16-20 (NH), 2009(6):66 (S, C), 2010(3):31-46 (NH), 2017(1):16 (NH), 2019(1):9-12 (NH)

**Crotalus cerberus/viridis:** CP:159-167 (D), 1999(1):2-5 (D, NH), 1999(8):82-87 (NH), 2008(3):26-31 (D, C), 2012(12):129-130 (R, NH)

**Crotalus lepidus:** CP:37-39 (B), CP:75-86 (NH), CP:143-148 (NH), CP:199-203 (D, NH), 1992(7):64-69 (C), 1994(8):68 (C, NH), 1995(4):32-36 (C), 1995(12):128-133 (NH), 1999(5):50 (Di, NH), 1999(12):135-136 (C, NH), 2000(4):38-40 (R), 2001(2):16-18 (D), 2004(4):41 (C),

2007(1):7-9 (NH), 2007(10):104-109 (C, NH), 2016(4):58-60 (D)

**Crotalus molossus:** CP:75-86 (NH), CP:199-203 (D, NH), CP:237-238 (D, NH), 1992(6):52-57 (D, NH), 1992(10):96-102 (NH, R, D), 1996(9):91-95 (NH), 1997(3):26-31 (C, NH), 1997(12):130-131 (C, NH), 1998(1):2-5 (C, Di, NH), 1998(5):54-56 (C), 1998(7):80 (R, NH), 1998(11):122-125 (P, NH), 1999(1):2-5 (D, NH), 1999(5):50 (NH), 1999(12):135-136 (C, NH), 2000(2):14-18 (D), 2000(6):68 (R, NH), 2001(1):3 (Di), 2001(3):26-31 (NH), 2001(6):62-63 (C, NH), 2002(5):50-53 (NH), 2003(2):16-17 (P), 2006(8):86-90 (NH), 2007(1):7-9 (D), 2007(4):38-42 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2010(2):14-22 (NH), 2010(11):154 (C, NH), 2011(1):4-5 (D), 2011(4):30-35 (NH), 2013(1):3-8 (R)

**Crotalus oreganus/abyssus/concolor/lutosus:** CP:17-23 (Di), 1992(10):96-102 (D), 1995(3):20-27 (D, B, R, NH), 1995(5):50 (Di), 2010(11):154 (C, NH)

**Crotalus pricei:** 1995(4):32-36 (C), 2000(2):14-18 (D, R, C, Di, NH), 2001(2):16-18 (D), 2001(5):52 (Di), 2003(12):110-112 (S, NH), 2007(1):7-9 (NH), 2007(7):104-109 (C), 2007(10):104-109 (C, NH), 2012(6):56 (C, R, Di, NH)

**Crotalus pyrrhus/mitchellii:** CP:65-70 (H, NH), CP:237-238 (D, NH), 1993(1):2-7 (B), 1995(3):20-27 (D), 1995(11):112-118 (NH), 2007(11):116-117 (D), 2008(5):55 (D)

**Crotalus scutulatus:** CP:53-58 (B), CP:71-73 (B), 1992(6):52-57, 1993(1):2-7 (B), 1993(6):56 (NH), 1993(7):64-71 (S), 1993(12):116 (C), 1994(9):74-78 (B), 1996(9):91-95 (NH), 1997(12):130-131 (C, NH), 1998(3):26-30 (H), 1998(12):134-136 (D), 1999(3):29-31 (B), 2005(10):110-114 (B), 2007(11):116-117 (D), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2009(6):66 (S, C), 2010(6):82-88 (D), 2012(2):12-17 (NH), 2016(4):65-71 (S), 2017(4):72-80 (NH)

**Crotalus tigris:** CP:75-86 (D, NH), CP:237-238 (D, NH), 1992(6):52-57, 1992(8):76-81 (B), 1993(1):2-7 (B), 1996(9):91-95 (NH), 1997(3):26-31 (C, NH), 1997(12):130-131 (C, NH), 1998(6):62-67 (R, B, C, NH), 1999(7):72-73 (P), 1999(8):88 (R), 2005(5):55 (NH), 2005(12):138-140 (Di), 2007(1):7-9 (D, NH), 2007(5):56 (NH), 2008(3):26-31 (D, C), 2009(2):16-20 (NH), 2010(2):14-22 (NH), 2010(3):31-46 (R, NH), 2010(6):82-88 (R, NH), 2011(4):30-35 (R, NH), 2012(2):12-17 (Di), 2013(1):3-8 (R)

**Crotalus viridis:** 1998(5):54-56 (C), 1999(9):100 (S), 2004(11):107-108 (NH), 2010(7):94-96 (D)

**Crotalus willardi:** CP:65-70 (H), CP:75-86 (NH, C), CP:97-98 (S), CP:143-148 (NH), CP:239-245 (H, R), 1992(7):64-69 (C), 1994(8):68 (C, NH), 1995(4):32-36 (C), 1996(12):127 (Di, D, C, R, NH), 1997(12):130-131 (C), 1999(4):38-40 (NH), 1999(12):135-136 (C, NH), 2001(2):16-18 (C), 2001(7):74-78 (D, R, Di, C, NH), 2003(9):74-76 (S, NH), 2004(4):41 (C), 2007(9):97 (S),

2007(10):104-109 (C, NH), 2011(11):19 (C), 2016(4):58-60 (D)

*Sistrurus tergeminus/catenatus*: 2003(5):30-32 (SA), 2012(9):91-92 (C)

**Other:** 2002(6):62-66 (AZ herp list w conservation status and regulations), 2010(9):122-126 (AZ herp list)

Topic Abbreviations: D = distribution, C = conservation, Di = diet, P = predators, R = reproduction, B = bites, venom, envenomation, and treatment; H = husbandry, S = systematics, names, hybridization; SA = 100-Mile Circle species account, NH = natural history not fitting other categories.

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Arizona elegans across the years of Sonoran Herpetologist issues. Photo by J. Rorabaugh.