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SUMMARY OF THE DISTRIBUTION OF THE  
HERPETOFAUNA OF COLORADO

A Supplement to

*An Annotated Check List of the  
Amphibians and Reptiles of Colorado*

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## INTRODUCTION

Since the appearance of the most recent herpetofaunal survey of Colorado (Maslin, 1959), supplementary distributional data have increased rapidly. We here summarize current knowledge, utilizing Maslin's account as a point of departure, in a form designed to stimulate further field work and publication. The present summary is a preliminary step toward a definitive account of the herpetofauna of Colorado now being prepared by Maslin.

For the sake of convenience and ready achievement of our immediate objectives we have used county political units, which are the most practical geographic divisions available for preliminary distributional accounts such as this. Knowledge of the distribution of Colorado herpetozoa is not yet sufficiently detailed for a definitive analysis of zoogeographic correlation. Until that stage is reached, at least in Colorado, the most useful scale for measurement of progress in analysis of distribution remains the political county units. Counties are commonly used in similar accounts for other states that are in a comparable stage of zoogeographic analysis. We are well aware of the artificiality of the scale and that it is but a pragmatic, temporary substitute for natural regional subdivisions, an ultimate goal of biogeographic studies. We are thus essentially in agreement with Axtell (1962), although we doubt whether the erection of biogeographical regions as equally objective and discriminating as political divisions will be achieved in the near future. Objective biogeographic classification is an outstandingly worthy goal and the route to it is superbly challenging.

Following the basic style of Maslin (1959), we here cite in synonymic form all references to herpetotaxa from Colorado, mostly post-1959, that were not included in the Maslin account.<sup>1</sup> We have not included references to a manuscript from the personal library of Donald E. Hahn of Alamosa, Colorado, obtained by him from a second-hand dealer (Charles Burt). The manuscript itself (Barry, 1934) lacks explicit date, authorship, and title; these have, however, been supplied on a manila cover subsequently attached to the manuscript. The subsequently added title is an excerpt from the introductory sentence of the manuscript, and the authorship is rather clearly

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<sup>1</sup>Although lacking specific locality records, the account by Hayward *et al.* (1958) is an important faunistic analysis of the Upper Colorado River Basin, albeit chiefly confined to Utah.

implied by several statements in the introduction. There is no internal evidence, however, bearing upon date; the subsequently supplied date of 1934 may or may not be correct. The introduction states that this compilation is a supplement to still another account entitled "A collection of reptiles at the Colorado Museum of Natural History" "by L. T. Barry." We are not aware that the latter account was ever published, or that it even exists now in manuscript form. Likewise, so far as we can determine, the manuscript in Mr. Hahn's library was never published, and accordingly we have not included references to it in our synonymies. The manuscript is nevertheless of considerable interest since it lists the specimens of reptiles from Colorado that were at one time in the Denver museum (Colorado Museum of Natural History); unfortunately these are no longer in existence in the museum collection. The bulk of it was transferred to the University of Colorado Museum, but part cannot be found now. In a few instances of special interest, we have cited Barry's notations of specimens that formerly were in the Denver museum; none involves a county record that is not substantiated at present by other material.

The manuscript is also useful in providing a check on other compilations from the literature, although unfortunately no specific source is cited for individual locality records. Maslin's account (1959) does however give a source for virtually every literature-recorded locality listed in Barry's manuscript, as well as many that Barry missed. Some that Barry gave are probably incorrect; in any event few are of more than incidental significance since other confirmed records exist at least for the same county with one exception: "*Phrynosoma douglassi hernandesi*" from Monarch, Chaffee County. The other unverified literature records are: "*Crotaphytus collaris*": Sinbad Valley, base of Sierra La Sal, Mesa County; *Holbrookia m. maculata*: Avalo, Weld County; *Sceloporus g. graciosus*: Lay, Moffat County; "*Sceloporus elongatus*" (= *S. undulatus erythrocheilus*): Estabrook, Park County; "*Phrynosoma douglassi hernandesi*" (= ? *P. d. ornatissimum*): 2 miles southeast of Meeker, Garfield County, and Godiva Ridge, Moffat County; *Coluber constrictor flaviventris*: Wray, Yuma County; "*Masticophis flagellus flavigularis*": Wray, Yuma County; *Lampropeltis triangulum gentilis*: Wray, Yuma County; *Thamnophis elegans vagrans*: Elk Head Mts. and Snake River, East Slater, Moffat County; "*Thamnophis r. radix*": Wray, Yuma County. The Chaffee County record of *Phrynosoma* is unacceptable without confirmation, since it is well outside the recorded range as otherwise known. None of the others are open to suspicion of accuracy, at least on geographic grounds. Several of the records from Wray, Yuma County, seem to be lapses for Yuma, Yuma County.

Our list of specimens is largely restricted to county records, here defined as reports of taxa from counties where they had not previously been

reported. Our lists thus do not include all material, even in the University of Colorado Museum, acquired from Colorado since Maslin's summary was prepared. On the other hand, we do include current county records in existence not only in the University of Colorado Museum (UCM), but also in numerous other collections: University of Kansas Museum of Natural History (UKMNH), University of Illinois Museum of Natural History (UIMNH), U.S. National Museum (USNM), Museum of Zoology of the University of Utah (MZUU), University of Michigan Museum of Zoology (UMMZ), University of California Museum of Vertebrate Zoology (MVZ), California Academy of Science (CAS), American Museum of Natural History (AMNH), Chicago Natural History Museum (CNHM), University of New Mexico Museum of Southwestern Biology (MSWB), Brigham Young University Museum (BYU), Denver Museum (DM), Cornell University (CU), Southern Illinois University Museum (SIU), Harvard University, Museum of Comparative Anatomy (MCZ), and the private collections of C. J. McCoy (CJM), H. M. Smith (HMS) and R. L. Brown (RLB).

From these combined sources, we here record 336 additions to the 669 county records which Maslin (1959) compiled. These represent 64 of the 79 herpetotaxa we recognize in Colorado, and 11 more are cited without addition of county records. The compilation involves 62 of the 63 counties of the state, lacking only Lake County. In addition we have included 60 "UCM" records (indicated by an asterisk) for taxa not previously represented in the University of Colorado Museum from given counties. A few other records (indicated by a dagger) are included because of the rarity or special interest of the taxa concerned, despite the fact that they are not museum or county records.

The accompanying tables (1, 2) summarize the extent of the recorded herpetofauna for each county and the number of counties from which each taxon has been reported. A few of the extremes are of interest. The greatest number of taxa is recorded from Las Animas County (37); second is Baca County with 35, followed by Boulder County with 30, and Mesa County with 29. The herpetofauna of no county is known in full, but Ouray and Clear Creek with two taxa each are surely among the least known counties herpetologically, although obviously their herpetofauna is extremely limited. The University of Colorado Museum has no material from Lake County, and none of *Masticophis flagellum piceus* and *Thamnophis sirtalis ornatus* from Colorado.

*Ambystoma tigrinum* is known from more counties (62) than any other species in the state; only Clear Creek County lacks a record for the species. *Rana pipiens* with 57 is second, followed by *Pituophis melanoleucus* with 47, *Thamnophis elegans vagrans* with 46, *Sceloporus undulatus* with 45, *Bufo woodhousei* with 43, *Crotalus viridis* with 42, *Pseudacris triseriata* with 41,

TABLE 1. Number of Herpetotaxa Recorded From Counties of Colorado.

Adams	18	Lake	4
Alamosa	14	La Plata	18
Arapahoe	18	Larimer	25
Archuleta	17	Las Animas	37
Baca	35	Lincoln	22
Bent	24	Logan	21
Boulder	30	Mesa	29
Chaffee	6	Mineral	3
Cheyenne	17	Moffat	15
Clear Creek	2	Montezuma	27
Conejos	11	Montrose	20
Costilla	11	Morgan	22
Crowley	14	Otero	28
Custer	9	Ouray	2
Delta	17	Park	7
Denver	23	Phillips	13
Dolores	8	Pitkin	4
Douglas	18	Prowers	27
Eagle	6	Pueblo	26
Elbert	17	Rio Blanco	12
El Paso	24	Rio Grande	8
Fremont	20	Routt	9
Garfield	20	Saguache	7
Gilpin	5	San Juan	4
Grand	7	San Miguel	17
Gunnison	8	Sedgwick	14
Hinsdale	4	Summit	5
Huerfano	18	Teller	5
Jackson	7	Washington	13
Jefferson	17	Weld	26
Kiowa	17	Yuma	27
Kit Carson	14		

and *Phrynosoma douglassi* with 34. *Rana pipiens* and *Ambystoma tigrinum* certainly occur in every county of the state; *Pseudacris* possibly does also, but probably no others.

Where county names are preceded by the section mark (§) in the listings of supplementary published accounts and records accounts, the corresponding record is a county record as of the date of publication of the cited account. All specimen numbers cited refer to the UCM collection unless otherwise indicated.

The county distributional maps (figs. 4-17) duplicate the information summarized on the charts (figs. 1-3), except that there is no discrimination between the four types of records distinguished in the charts (see legend for fig. 1).

The systematics of several species polytypic in Colorado are in need of study; a careful analysis of any of these is likely to alter the distributional



TABLE 2. Number of Counties From Which Herpetotaxa Are Recorded in Colorado.

CAUDATA		Sceloporus g. graciosus .....	14
(Ambystoma tigrinum .....	62)	S. m. bimaculosus .....	1
A. t. mavortium .....	32	(S. undulatus .....	45)
A. t. utahense .....	37	S. u. elongatus .....	12
ANURA		S. u. erythrocheilus .....	25
Acris c. blanchardi .....	3	S. u. garmani .....	10
Bufo b. boreas .....	20	S. u. tristichus .....	1
B. cognatus .....	18	Urosaurus o. wrighti .....	11
B. debilis insidiar .....	2	Uta s. stansburiana .....	8
B. punctatus .....	7	SERPENTES	
B. w. woodhousei .....	43	Arizona e. blanchardi .....	6
Hyla arenicolor .....	2	Coluber c. flaviventris .....	17
Pseudacris t. maculata .....	41	C. c. mormon .....	3
Rana catesbeiana .....	17	Crotalus v. concolor .....	6
R. p. brachycephala .....	57	C. v. nuntius .....	1
R. s. cantabrigensis .....	3	C. v. viridis .....	35
Spea bombifrons .....	27	Diadophis p. arnyi .....	1
S. hammondi .....	4	Elaphe g. emoryi .....	8
S. intermontana .....	2	Heterodon n. nasicus .....	24
TESTUDINES		Hypsiglena t. loreala .....	2
Chrysemys p. belli .....	17	H. t. texana .....	3
C. s. serpentina .....	6	Lampropeltis t. celaenops .....	3
Kinosternon f. flavescens .....	3	L. t. gentilis .....	19
Terrapene o. ornata .....	24	L. t. taylori .....	4
T. s. hartwegi .....	9	Masticophis f. piceus .....	1
SAURIA		M. f. testaceus .....	13
Cnemidophorus sexlineatus .....	28	M. t. taeniatus .....	5
C. tessellatus .....	6	Natrix s. sipedon .....	10
C. t. septentrionalis .....	7	Opheodrys v. blanchardi .....	13
C. velox .....	8	(Pituophis melanoleucus .....	47)
Crotaphytus c. auriceps .....	9	P. m. affinis .....	2
C. c. collaris .....	8	P. m. deserticola .....	10
C. w. punctatus .....	3	P. m. sayi .....	35
Eumeces m. gaigeae .....	8	Rhinocheilus l. tessellatus .....	3
E. m. multivirgatus .....	11	Sistrurus c. edwardsi/tergeminus .....	6
E. obsoletus .....	11	Sonora e. episcopa .....	3
Holbrookia m. approximans .....	1	Tantilla n. nigriceps .....	11
H. m. maculata .....	27	T. utahensis .....	1
Phrynosoma cornutum .....	8	Thamnophis c. cyrtopsis .....	6
(P. douglassi .....	34)	T. e. vagrans .....	46
P. d. brevirostre .....	18	T. p. diabolicus .....	1
P. d. hernandesii .....	4	T. r. haydeni .....	27
P. d. ornatissimum .....	18	T. s. ornatus .....	1
		T. s. parietalis .....	10
		Tropidoclonion l. lineatum .....	6

picture as it is at present understood. Especially in need of study are *Ambystoma tigrinum*, *Rana pipiens*, *Eumeces multivirgatus*, *Phrynosoma douglassi*, *Sceloporus undulatus*, *Lampropeltis triangulum*, and *Pituophis melanoleucus*. There is also evidence that *Thamnophis elegans* is polytypic in Colorado, although at present all populations in the state are allocated to *T. elegans vagrans*.

We are greatly indebted to many students, friends, and colleagues who have generously assisted in endless ways in the compilation of this account. We specifically thank the officials of the University of Colorado Museum and Department of Biology, Dr. Robert W. Pennak, Dr. Hugo Rodeck, Dr. Merideth N. Runner, and Dr. Newell A. Younggren; the ranchers who kindly permitted us to collect on their property, especially Dale George and Ted Stalford; Dr. Benjamin H. Banta, Charles L. Douglas, and Charles A. Torbit, Jr., who generously permitted use of unpublished data; Dr. Clarence J. McCoy and Robert W. Reese, who have been outstandingly helpful in many ways; other professional colleagues and field aides, especially William Clark, Dr. Alvin Earle, Donald E. Hahn, Richard Holland, Gerald Myers, and James M. Walker; our families, who enthusiastically joined in the field work; and the curators and associated personnel at various museums who very kindly listed their Colorado collections for us, *viz.* Dr. Ronald Brandon, William F. Burley, Dr. Doris Cochran, Dr. William E. Duellman, Richard Holland, Dr. Robert F. Inger, Dr. John M. Legler, Dr. Alan E. Leviton, Richard D. Sage, Benjamin Shreve, Dr. Wilmer W. Tanner, Dr. Charles F. Walker, and Dr. Richard G. Zweifel.

## SUPPLEMENTAL DATA

**AMBYSTOMA TIGRINUM  
MAVORTIUM BAIRD**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Ambystoma tigrinum* Hall, 1912:343  
(Larimer Co.: Fort Collins).

*Ambystoma (tigrinum mavortium)*:  
Gilmore, 1930:22 (abstract). Gil-  
more, 1931:63 (abstract).

*Ambystoma tigrinum mavortium*:  
Maslin, 1964 (Boulder Co. area).  
Banta, 1965a (Wet Mountains).  
Torbit, 1965 (El Paso Co.). Banta  
and Torbit, 1965 (§Custer Co.).

*Ambystoma tigrinum nebulosum*:  
Gehlbach (*nec* Hallowell), 1956:  
364-5 (§Alamosa Co.: S shore, San  
Luis Lake, 20 mi. NE Alamosa).

*Ambystoma tigrinum*: TenBroek,  
1959:52 (Colorado).

## SUPPLEMENTARY SPECIMENS:

\**Alamosa Co.*—State highway 150, 5-  
15 mi. E Mosca (9), 19769-70,  
20395-41.

*Arapahoe Co.*—0.5 mi. E Buckley  
Field (1), 19544; E Bijou Creek,  
7 mi. E Byers (1), 19780.

*Baca Co.*—Cimarron River, 19 mi. SE  
Stonington (4), 19545-8.

*Bent Co.*—5 mi. E Higbee (1), 19549.

*Cheyenne Co.*—5 mi. W Wildhorse  
(2), 19550-1.

*Costilla Co.*—Eastdale Reservoir, 3 mi.  
SW Mesita (1), 25632.

*Crowley Co.*—12 mi. N Ordway (4),  
19552-5.

\**Fremont Co.*—7 mi. S Florence (1),  
19794.

*Kit Carson Co.*—4 mi. NE Burlington  
(1), UKMNH 63756.

*Lincoln Co.*—1 mi. E Boyero (1),  
25543; 3 mi. S Arriba (2), UIMNH  
50261-2.

*Logan Co.*—12 mi. W, 2 mi. S Peetz  
(2), UKMNH 51370-1.

*Morgan Co.*—0.5 mi. SW Goodrich  
(1), 25544; 1.5 mi. NE Ft. Morgan  
(1), 25583.

*Otero Co.*—4 mi. S La Junta (2),  
19556-7.

*Prowers Co.*—Two Buttes Creek, 2 mi.  
below Two Buttes Dam (1), 14337.

*Sedgwick Co.*—0.25 mi. E Colo. 59,  
10 mi. S Sedgwick (1), 25651.

*Washington Co.*—3.5 mi. W Last  
Chance (8), 19781-8.

*Yuma Co.*—8 mi. N 5.5 mi. W Yuma  
(1), UCM.

Regularly present in older earthen  
water tanks used the year around.  
They survive in water badly polluted  
with cow manure. Nothing but larvae  
were taken July 29 and 30, 1961,  
from earthen ponds (Nos. 19552-7),  
yet in another seemingly identical  
pond at the same time (July 30),  
only fully transformed adults (6) and  
no larvae were seined (No. 19549).  
Several adults were found in a deep,  
damp but waterless cistern 3 miles  
south of Arriba.

**AMBYSTOMA TIGRINUM  
UTAHENSE LOWE**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Ambystoma tigrinum utahense*: Miller,  
1961:1 (§Mesa Co.: Colorado Na-  
tional Monument). Maslin, 1964  
(Boulder Co. area). Banta and Tor-  
bit, 1965 (§Custer Co.).

*Ambystoma tigrinum*: McCoy, 1962b:  
41 (Mesa Co.: Grand Valley of the  
Colorado River). Harris, 1963:17  
(quotes Maslin's records for Archu-  
leta Co. and La Plata Co.).

§County Record.

\*Not previously represented in the University of Colorado Museum.

## SUPPLEMENTARY SPECIMENS:

- Arapahoe Co.*—Cherry Creek Dam (1), 25678.  
*Chaffee Co.*—6 mi. W Nathrop (1), 25633.  
*Dolores Co.*—29.3 mi. E Cahone (1), 19558.  
*Eagle Co.*—junction Colorado and Eagle Rivers (1), 25679.  
*Fremont Co.*—23 mi. NNW Canon City (1), 25695.  
*Grand Co.*—Blacktail Campground, 1 mi. W Gore Pass (1), 25580.  
*Hinsdale Co.*—Lake City (1), 25677; Cebolla Creek Camp, N base Slumgullion Pass (1), HMS.  
*Huerfano Co.*—Bear Creek Lake, Spanish Peaks, 10,000+ ft. (10), UMMZ 62224-33.  
*Jackson Co.*—6 mi. N intersection U.S. 40 and Colo. 14 (1), 25579.  
 \**Mesa Co.*—3 mi. E, 4 mi. S Collbran (120), UKMNH 39005-39120, 39124-7; 4 mi. S Fruita (1), 20124.  
*Moffat Co.*—1.5 mi. S Craig (1), 25582.  
*Montrose Co.*—Black Canyon of the Gunnison National Monument, Pond SE of N rim headquarters (12), 19559-71.  
*Ouray Co.*—4 mi. N Ridgeway, 1 mi. E U.S. 550 (1), 25680.  
*Rio Grande Co.*—7 mi. W Del Norte (1), 25644.  
 \**Routt Co.*—1.2 mi. N Seedhouse Campground, N Steamboat Springs (1), 25581.  
*Saguache Co.*—1 mi. N Moffat (1), 25681.  
*San Juan Co.*—4 mi. S Silverton (50), UMMZ 121923-9, 122526.  
*Summit Co.*—1 mi. S. Dillon Reservoir Dam (1), 25682.  
*Teller Co.*—Green Mountain Falls (1), UKMNH 54301; 2 mi. S Florissant (1), 25694.  
 The record for Ouray County given

in Maslin (1959:8) actually should be allocated to San Miguel County, where the collecting site is located.

## BUFO BOREAS

## BOREAS BAIRD and GIRARD

## SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

- Bufo boreas boreas*: Gehlbach, 1956: 365 (§Conejos Co.: 1 mi. NE Cumbres Pass, 10,000 ft., duplicated in Maslin, 1959:10). Maslin, 1964 (Boulder Co. area).  
*Bufo boreas*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River). Harris, 1963:17 (§Archuleta Co.: jct. Gordon Creek and Piedra River).

## SUPPLEMENTARY SPECIMENS:

- †*Archuleta Co.*—Pagosa Springs (1), AMNH 6936.  
 \**Delta Co.*—Slough Reservoir, Grand Mesa (4), 11809-12.  
*Hinsdale Co.*—Regans Lake, 25 mi. W Creede (1), 25685.  
*Moffat Co.*—Beaver Dam, 25 mi. N Craig (10), MCZ 32795-32804.  
 \**Park Co.*—4 mi. W Jefferson (15), 19766-8, 24374-85.  
*Pitkin Co.*—Aspen (1), AMNH 6935; Hallam Pond, Aspen (6), 9265-70; Grand Mesa (2), UMMZ 122925.  
*Summit Co.*—Climax (1), UMMZ 122925; 1 mi. W Blue River Recreation Area; 25 mi. S Colo. 9 (1), 25560.

## BUFO COGNATUS SAY

## SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

- Bufo cognatus*: Maslin, 1964 (Boulder Co. area).

## SUPPLEMENTARY SPECIMENS:

- Baca Co.*—Cimarron River 19 mi. SE Stonington (1), 19590.

\*Not previously represented in the University of Colorado Museum.

†Not a museum or county record.

§County Record.

†*Cheyenne Co.*—10 mi. S Firstview (13), 25658-70.

*Crowley Co.*—5 mi. N Ordway (1), 19591; 5 mi. SE Sugar City (1), 19592.

*Elbert Co.*—15 mi. SE Matheson (1), 25672.

*Phillips Co.*—6 mi. NE Haxtun (1), 25653.

*Kit Carson Co.*—18 mi. S jct. U.S. 24 and Kansas state line (1), 19593.

†*Prowers Co.*—6 mi. NW Holly (1), UKMNH 17598.

Commonly taken in breeding ponds with *Spea bombifrons*.

#### **BUFO DEBILIS INSIDIOR GIRARD**

##### SUPPLEMENTARY SPECIMENS:

*Otero Co.*—13 mi. S La Junta (1), 25697.

#### **BUFO PUNCTATUS BAIRD and GIRARD**

##### SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Bufo punctatus*: Miller, 1961: (Mesa Co.: Colorado National Monument). McCoy, 1962a:61 (Mesa Co.: Colorado National Monument). McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

##### SUPPLEMENTARY SPECIMENS:

*Prowers Co.*—20 mi. S Lamar (32), UMMZ 62204.

*Pueblo Co.*—20 mi. S Pueblo (1), 19608.

\**San Miguel Co.*—Basin Creek 6 mi. N Naturita (2), 450.

†Not a museum or county record.

\*Not previously represented in the University of Colorado Museum.

‡County Record.

#### **BUFO WOODHOUSEI WOODHOUSEI GIRARD**

##### SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Bufo virginianus*: Hall, 1912:354 (Colorado).

*Bufo woodhousei woodhousei*: Miller, 1961:1 (Mesa Co.: Colorado National Monument). Dean and Stock, 1961:124 (Archuleta Co.: 4 mi. E Arboles). Maslin, 1964 (Boulder Co. area). Banta, 1965a (Wet Mountains). Banta and Torbit, 1965 (§Custer Co.).

*Bufo woodhousei*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River). Harris, 1963:17-18 (La Plata Co.: Allison; Archuleta Co.: jct. Gordon Creek and Piedra River, Deep Canyon, Yellow-jacket turnoff on Colo. 151, near Allison).

##### SUPPLEMENTARY SPECIMENS:

*Baca Co.*—25 mi. SE Springfield (1), 19594.

*Bent Co.*—Lake Setchfield, 25 mi. S Las Animas (1), 19595; John Martin Reservoir, N end of dam (2), 19596-7.

*Cheyenne Co.*—5 mi. W Wildhorse (1), 19598.

*Crowley Co.*—12 mi. N Ordway (1), 19599.

*Dolores Co.*—21.9 mi. E Cahone (3), RLB.

*Douglas Co.*—1 mi. N Parker (1), 19600.

*Elbert Co.*—9 mi. N Ranah (1), 19601.

*Huerfano Co.*—near Rouse Jct. (1), UMMZ 62206.

*Kit Carson Co.*—5 mi. S Flagler (1), 19602.

*Lake Co.*—Twin Lakes (2), USNM 8283, 33800.

*Lincoln Co.*—23 mi. S Hall Station (1), UIMNH; Big Sandy Creek 1 mi. W Boyero (1), 19603.

*Logan Co.*—20 mi. W Peetz, near Nelson's Spring (3), UIMNH.

*Otero Co.*—near La Junta (2), 19604-5; Timpas Creek near Bloom (2), 19606-7.

*Park Co.*—South Park (1), MCZ 841.

*Rio Grande Co.*—Monte Vista (12), UMMZ 62207-18.

#### HYLA ARENICOLOR COPE

##### SUPPLEMENTARY PUBLISHED

##### ACCOUNTS AND RECORDS:

*Hyla arenicolor*: Miller, 1961:2 (Mesa Co.: Gateway). McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

#### PSEUDACRIS TRISERIATA MACULATA (AGASSIZ)

##### SUPPLEMENTARY PUBLISHED

##### ACCOUNTS AND RECORDS:

*Pseudacris nigrita triseriata*: Dean and Stock, 1961:124 (Archuleta Co.: 1 mi. W Arboles).

*Pseudacris triseriata*: McCoy, 1962b:41 (Mesa County: Grand Valley of the Colorado River).

*Pseudacris nigrita*: Harris, 1963:18 (La Plata Co.: 1.5 mi. W Allison; Archuleta Co.: Gordon Creek nr. jct. with Piedra River, vic. Allison).

*Pseudacris triseriata maculata*: Maslin, 1964 (Boulder Co. area). Banta, 1965c (§El Paso Co.).

##### SUPPLEMENTARY SPECIMENS:

*Adams Co.*—14 mi. S Hoyt (1), 19609; small pond N Westminster, 1 mi. W Federal Blvd. (3), 19610-12.

*Alamosa Co.*—Alamosa (8), CNHM 94177-84.

*Arapahoe Co.*—1.5 mi. S Altura (1), 19613.

*Conejos Co.*—1 mi. S, 19 mi. W Antonito (2), UKMNH 33710-1.

\**Delta Co.*—Slough Reservoir, Grand Mesa (8), 11813-20.

*Douglas Co.*—7 mi. SSW Littleton, E side Platte River (1), 25545.

*Elbert Co.*—8 mi. W River Bend (1), HMS.

*Garfield Co.*—1.5 mi. SE Rio Blanco, 200 yds. inside Garfield Co. line (1), 25585.

*Jefferson Co.*—7 mi. SSW Littleton, W side Platte River (1), 25540.

*Kit Carson Co.*—4 mi. S Flagler (1), 19614.

†*Lake Co.*—Twin Lakes (1), USNM 33798.

*Lincoln Co.*—10 mi. SE Hugo (1), 19615; Limon (1), HMS.

*Logan Co.*—Olander Ranch, about 40 mi. N Sterling (2), UMMZ 107969.

†*Mineral Co.*—Creede (3), MCZ 26166-8.

†*Moffat Co.*—Slater (1), USNM 40204.

\**Montezuma Co.*—0.5 mi. S Spruce Mill, 6 mi. NE Mancos, San Juan National Forest (1), 25675.

*Ouray Co.*—3.5 mi. E. Ridgway (1), 19616.

\**Park Co.*—17 mi. S Fairplay (1), 25562.

*Phillips Co.*—10 mi. S and 2.5 mi. E Haxtun (1), 19617.

*Rio Grande Co.*—Monte Vista (1), UMMZ 62205; 7 mi. N Monte Vista (1), UCM.

\**Routt Co.*—1.2 mi. N Seedhouse Campground, N Steamboat Springs (1), 25586.

\**Saguache Co.*—Russell Lakes 10 mi. S Saguache (1), 25634.

§County Record.

\*Not previously represented in the University of Colorado Museum.

†Not a museum or county record.

*Summit Co.*—15 mi. W Dillon (1), 25561.

Usually taken at night while calling; one was taken on damp earth under a board at noon.

### RANA CATESBEIANA SHAW

SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Rana catesbeiana*: Maslin, 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

*Adams Co.*—N Valley Hwy. jct. Denver-Boulder Turnpike (1), 19618; jct. Colo. 87 and Denver-Boulder Turnpike (1), 19619; Parks Lake, jct. 66th St. and Colo. 87 (1), 19620.

*Alamosa Co.*—Alamosa (1), 25691.

*Arapahoe Co.*—Bowles Lake (1), 19621.

*Boulder Co.*—10th and North St. in Boulder (1), 19622.

*Douglas Co.*—7 mi. SSW Littleton, E side Platte River (1), 25546.

*Jefferson Co.*—7 mi. SSW Littleton, W side Platte River (1), 25539.

*Larimer Co.*—(1), UMMZ 121470.

*Las Animas Co.*—10 mi. N Andrix (1), 25706.

*Lincoln Co.*—17 mi. S Hugo (1), 25671.

*Logan Co.*—0.75 mi. SE Crook (1), 25573.

*Mesa Co.*—Fruita (2), 24921, MVZ 50248.

*Sedgwick Co.*—Platte River, Sedgwick (1), 25650.

### RANA PIPIENS BRACHYCEPHALA COPE

SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Rana pipiens brachycephala*: Miller, 1961:2 (Mesa Co.: probably in Col-

orado National Monument). Maslin, 1964 (Boulder Co. area).

*Rana pipiens*: Dean and Stock, 1961: 125 (Archuleta Co.: Piedra River 8 mi. N Arboles; La Plata Co.: Los Pinos R. 8 mi. S Ignacio). Stock, 1962:192 (Gunnison Co.: jct. Dry Gulch-Gunnison R. 7440 ft., jct. Red Creek-Gunnison R. 7350 ft., Lake Fork Gunnison R. 7450 ft. Montrose Co.: jct. Cimarron Creek-Gunnison R. 7100 ft.). McCoy, 1962b:51 (Mesa Co.: Grand Valley of the Colorado River). Harris, 1963:18-19 (La Plata Co.: Allison, vic. Columbine Ranger Station; Archuleta Co.: jct. Gordon Creek and Piedra River, vic. Allison).

SUPPLEMENTARY SPECIMENS:

\**Arapahoe Co.*—Cherry Creek Reservoir (3), 19623-5; E Bijou Creek, 7 mi. E Byers (1), 19778.

*Bent Co.*—Lake Setchfield, 25 mi. S Las Animas (1), 19626; John Martin Reservoir (2), 19627-8.

*Cheyenne Co.*—30 mi. W Kit Carson (2), 19629-30.

*Conejos Co.*—W bank Rio Grande River 13 mi. E Antonito (1), 25635.

*Crowley Co.*—12 mi. N Ordway (2), 19631-2.

\**Delta Co.*—confluence of N Fork and Gunnison Rivers (5), 19633-7.

*Elbert Co.*—5 mi. E Kiowa (1), 19642.

*Fremont Co.*—0.5 mi. W Florence (1), 25692.

*Gilpin Co.*—3 mi. SW Rollinsville (1), 25588.

*Huerfano Co.*—Bear Creek Lake (2), UMMZ 62185-6; Cuchara River (2), UMMZ 62193-4.

*Lincoln Co.*—4 mi. S Arriba (1), 25584.

*Logan Co.*—Frenchman Creek, 8 mi. S Dailey (1), 25655.

\*Not previously represented in the University of Colorado Museum.

- Phillips Co.*—4 mi. S and 2.5 mi. E Haxtun (1), 19643.  
*Rio Grande Co.*—Rio Grande River, 2 mi. N Monte Vista (1), 25559; Monte Vista (9), UMMZ 62187-92, 62196-7, 62199; Spring Creek nr. Gunbarrel Rd., Monte Vista (1), CNHM 94717.  
*Saguache Co.*—1 mi. N Moffat (1), 25686.  
*San Juan Co.*—1 mi. NE of San Juan Co. line on U.S. 550 (3), 19644-6.  
*Summit Co.*—1 mi. S Dillon Reservoir dam (1), 25687.  
 \**Teller Co.*—2 mi. S Florissant (1), 25693.  
*Washington Co.*—3.5 mi. W Last Chance (1), 19779.

**RANA SYLVATICA  
 CANTABRIGENSIS BAIRD**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

- Rana sylvatica cantabrigensis*: McCoy, 1962a:61 (§Grand Co.: 5 and 6 mi. N Grand Lake, on tributaries of Colorado River).

SUPPLEMENTARY SPECIMENS:

- †*Grand Co.*—5 mi. NW Grand Lake, 9000 ft., nr. Colorado River (2), 25578, 25587.

**SPEA BOMBIFRONS (COPE)**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

- [*Scaphiopus hammondi bombifrons*]: Gilmore, 1929:41 (abstract). Gilmore, 1934:76 (abstract).  
*Scaphiopus sp.*: Stabler, 1948:168 (El Paso Co.: 2 mi. NE Colorado Springs).  
*Scaphiopus bombifrons*: Maslin, 1964 (Boulder Co. area). Banta, 1965a

- (Wet Mountains). Torbit, 1965 (El Paso Co.). Banta and Torbit, 1965 (§Fremont Co.).

SUPPLEMENTARY SPECIMENS:

- \**Arapahoe Co.*—Cherry Creek Reservoir (1), 19571; 1 mi. W Deer Trail (1), UIMNH.  
*Bent Co.*—5 mi. E Higbee (9 tadpoles), 19572-80.  
*Boulder Co.*—Valmont Rd., 6 mi. ESE 28th St., Boulder (7), 20127, 24301-6.  
*Cheyenne Co.*—2.5 mi. E Arapahoe (1), 19581.  
*Crowley Co.*—5 mi. SE Sugar City (2), 19584-5; 12 mi. N Ordway (2), 19582-3.  
*Douglas Co.*—Parker (1), 19586.  
*Kiowa Co.*—7 mi. N Chivington (1), 13649.  
*Kit Carson Co.*—18 mi. S jct. U.S. 24 with Kansas state line (1), 19587.  
*Las Animas Co.*—28 mi. N Andrix (1), 25703.  
*Lincoln Co.*—14 mi. S Limon (1), 25673.  
*Otero Co.*—3 mi. S La Junta (1), 25704.  
*Phillips Co.*—6 mi. SE Paoli (1), 19588.  
*Prowers Co.*—15 mi. S Holly (1), 19589.  
*Rio Grande Co.*—Monte Vista (1), AMNH 6930.  
*Sedgwick Co.*—9 mi. S Sedgwick (1), 25654.  
 Usually taken at night; occasionally found under tin and boards in damp areas during daytime.  
 On June 6, 1964, a *Spea bombifrons* was heard voicing distress calls in mid-afternoon on a cloudless hot day in a sandy area 5 mi. SSE Midway, Baca Co. When traced, it was found that a spotted ground squirrel

\*Not previously represented in the University of Colorado Museum.

§County Record.

†Not a museum or county record.



(*Citellus spilosoma*) was chasing the spadefoot. The toad was bleeding from a nip already inflicted on the leg, and as the animals were observed the squirrel made several other dashes at the toad, nipping it each time as the toad hopped to elude pursuit. The squirrel was so intent upon persecution of the toad that it was approached to within 8 feet, although it looked directly at the observer several times. We surmise that the toad by chance found its way into the squirrel's burrow and was being ousted from it.

#### SPEA HAMMONDI (BAIRD)

##### SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Scaphiopus bombifrons* (nec Cope):  
Harris, 1963:17 (La Plata Co.: Allison).

##### SUPPLEMENTARY SPECIMENS:

Las Animas Co.—Sopris (1), MVZ  
49091; 28 mi. N Andrix (1), 25702.  
Otero Co.—7 mi. S La Junta (1),  
25701.

Stebbins (1951:499) refers specimens from three localities in eastern Colorado to *hammondi*. We have examined the specimens represented by the two southernmost spots on his map: MVZ 7562-75 from Colorado Springs, El Paso Co., and MVZ 49091 from Sopris, Las Animas Co. We confirm unequivocally the allocation of MVZ 49091 to *hammondi*; it completely lacks a boss on the frontoparietals, and the frontoparietal fontanelle is extensive as figured by Zweifel (1956:36, fig. 23C). On the contrary, the Colorado Springs specimens are clearly referable to *bombifrons*, having a prominent frontoparietal boss and a reduced fontanelle. We assume

§County Record.

that the specimens represented by the northernmost of the three localities indicated on Stebbins' map are also referable to *bombifrons* since our large series from numerous localities in the same general area consistently represent only *bombifrons*. These two species are not only macrosympatric, but even microsypatric, in Las Animas and Otero Cos., where adults have been taken within a few feet of each other and tadpoles of both species in the same pool at the same time.

#### SPEA INTERMONTANA (COPE)

##### SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Scaphiopus intermontanus* Cope,  
1883:15-16 (original description).  
McCoy, 1962a:60-61 (Mesa Co.:  
Colorado National Monument).  
McCoy, 1962b:41 (Mesa Co.:  
Grand Valley of the Colorado River).

*Scaphiopus hammondi*: Miller, 1961:  
1 (§Mesa Co.: Colorado National  
Monument).

On the basis of geographic probability we allocate Cary's (1911:27) record for Garfield Co. with *intermontana*, as suggested by McCoy (*loc. cit.*).

#### CHELYDRA SERPENTINA SERPENTINA (LINNAEUS)

##### SUPPLEMENTARY PUBLISHED ACCOUNTS AND RECORDS:

*Chelydra serpentina serpentina*: Maslin, 1964 (Boulder Co. area).

##### SUPPLEMENTARY SPECIMENS:

Douglas Co.—Platt River 6 mi. S  
Littleton (1), DM.  
Logan Co.—0.25 mi. S Atwood (1),  
UCM.

**CHRYSEMYS PICTA  
BELLI (GRAY)**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Chrysemys picta*: Harris, 1963:19 (La Plata Co.: 3 mi. E Oxford).

*Chrysemys picta belli*: Maslin, 1964 (Boulder Co. area).

## SUPPLEMENTARY SPECIMENS:

*Elbert Co.*—Mustang Creek, 6 mi. E and 2 mi. N Kutch (1), 25676.

*El Paso Co.*—Colorado Springs (1), UCM.

*La Plata Co.*—2.2 mi. N Durango, MZUU.

*Lincoln Co.*—1 mi. E Boyero (1), 25571; 23 mi. S Hall Station (1), UIMNH.

*Logan Co.*—S Platte River near Merino (1), USNM 37037.

*Prowers Co.*—3 mi. W Holly (1), CJM.

*Pueblo Co.*—Pueblo, Arkansas River (1), CNHM 83428.

**KINOSTERNON FLAVESCENS  
FLAVESCENS (AGASSIZ)**

## SUPPLEMENTARY SPECIMENS:

\**Baca Co.*—Cimarron River, 19 mi. SE Stonington (1), 19647.

**TERRAPENE ORNATA  
ORNATA (AGASSIZ)**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Terrapene ornata cimarronensis* Craigin, 1894:37 (original description; one specimen cited from "southeastern Colorado, about midway between Kansas and the mountains").

*Terrapene ornata ornata*: Miller, 1961:2 (several specimens captured in Grand Valley, Mesa Co., are regarded as escaped pets). Maslin, 1964 (Boulder Co. area). Torbit, 1965 (El Paso Co.).

## SUPPLEMENTARY SPECIMENS:

*Adams Co.*—40 mi. S Ft. Morgan (2), UMMZ 59843-4.

*Arapahoe Co.*—Byers (1), 13651; 0.25 mi. NW Byers (1), UIMNH; 1 mi. W Deer Trail (1), 25626.

*Fremont Co.*—3 mi. S Florence (1), 19649.

*Las Animas Co.*—4 mi. ESE Andrix (1), 25705.

*Lincoln Co.*—6 mi. S Boyero (1), 19789.

\**Morgan Co.*—1 mi. E west Morgan Co. line on U.S. 6 (1), 19648.

*Otero Co.*—N Fowler (2), UMMZ 72532-3; E Rocky Ford (1), CNHM 83353.

*Phillips Co.*—6 mi. E Holyoke (1), 15173.

The shell of one box turtle was found in the space enclosed by a discarded tire lying flat on the ground on an abandoned farm, 9 mi. SW Midway, Baca Co., Aug. 17, 1963, where the animal apparently had been unwittingly trapped. A mating pair was found the same day in the same area.

A series of Baca Co. specimens (UCM 22067-71) shows two distinct shell color patterns (faded and sharp).

**TRIONYX SPINIFERUS  
HARTWEGI (CONANT and GOIN)**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Trionyx spinifer hartwegi*: Webb, 1962:497-502, pls. 35-36 (monograph of North American species of

\*Not previously represented in the University of Colorado Museum.

*Trionyx*; cites Maslin's records).  
*Trionyx spiniferus hartwegi*: Maslin,  
 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

*Las Animas Co.*—Chacuaco Creek,  
 de Maya Ranch (1), 19650.

Although Webb (*op. cit.*) uses the emendation *spinifer* (originating with Agassiz, 1857:404, *vide* Webb, *pers. comm.*), the original spelling was *Trionyx spiniferus* Le Sueur, 1827, clearly indicating that the specific name was used as an adjective. It is true that standard lexicons indicate for this particular word the forms *spinifer -a -um* and do not list it as a noun, but similar words (*e.g. crucifer*) are listed as nouns and therefore it is scarcely a firmly established fact that *spinifer* was never classically used as a noun. More important, the general rule for adjectival endings finds here an exception: for most adjectives the *-us* ending is standardly accepted. Le Sueur's spelling is grammatically incorrect according to currently standard lexicons, as pointed out by Agassiz, but is clear in intent. The 1961 Code does not authorize emendations on grounds of improper transliteration or latinization. The emendation in question does not correct an ending for grammatical agreement since the ending originally used actually is correct as a general rule and is clear in intent even though not standard for this particular case. On no grounds other than correction for agreement (not for spelling otherwise) could the emendation be accepted. We therefore here regard *spiniferus* the proper spelling in conjunction with masculine nominal genera, such as *Trionyx*; in association with generic names of feminine gender, such as *Amyda*, the proper ending would be *spinifera*.

§County Record.

**CNEMIDOPHORUS  
 SEXLINEATUS (LINNAEUS)**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

*Cnemidophorus sexlineatus*: Duellman and Zweifel, 1962:202-204 (mention of specimens from Weld Co.). Maslin, 1964 (Boulder Co. area). Banta, 1965a (Wet Mountains). Torbit, 1965 (§El Paso Co.).

SUPPLEMENTARY SPECIMENS:

*Arapahoe Co.*—E Bijou Creek, 7 mi. SE Byers (4), 19774-7.

*Bent Co.*—N shore John Martin Reservoir, 6 mi. W dam, 19693.

*Crowley Co.*—6 mi. NNW Crowley (1), 25629.

*Elbert Co.*—10.6 mi. E Agate on U.S. 40 (2), 25639-40.

*Huerfano Co.*—1 mi. SW Farisita in Yurcia Canyon (1), 17852.

*Kit Carson Co.*—2.5 mi. W Siebert (1), 19694.

*Lincoln Co.*—5 mi. W Boyero (1), 25541.

The first young of the year were observed August 12, 1961; none were found ten days earlier.

**CNEMIDOPHORUS TESSELATUS  
 (SAY)**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

*Cnemidophorus tessellatus*: Milstead, 1953:411-413 (type locality revised to Pueblo, Pueblo Co.). Maslin, 1959:49-50 (type-locality revised to: "junction of Fountain Creek and the Arkansas River, Pueblo Co."). Banta, 1965a (Wet Mountains).

SUPPLEMENTARY SPECIMENS:

*Bent Co.*—7.5 mi. NE Higbee (1), HMS.

**CNEMIDOPHORUS TIGRIS  
SEPTENTRIONALIS BURGER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Cnemidophorus tigris septentrionalis*:  
Miller, 1961:1 (Mesa Co.: Colorado  
National Monument).

*Cnemidophorus tigris*: McCoy, 1962b:  
41 (Mesa Co.: Grand Valley of the  
Colorado River).

SUPPLEMENTARY SPECIMENS:

*Delta Co.*—20 mi. N Delta in Dominguez  
Canyon (1), 19695.

\**Garfield Co.*—7 mi. NE Rifle (2),  
19696-7.

\**Montrose Co.*—Bedrock (1), 17351;  
1 mi. S Bedrock (19), 17352-3,  
23469-85.

**CNEMIDOPHORUS VELOX  
SPRINGER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Cnemidophorus velox*: Miller, 1961:1  
(Mesa Co.: Colorado National  
Monument). Duellman and Zweifel,  
1962:205-6, fig. 10 (map) (12  
spot records for Colorado, none  
identified; diagnosis, distribution).  
McCoy, 1962b:41 (Mesa Co.:  
Grand Valley of the Colorado River).  
Harris 1963:23 (§La Plata  
Co.: Allison; Caracas-Arboles Rd.;  
Archuleta Co.: NE  $\frac{1}{4}$  of SW  $\frac{1}{4}$  of S.  
S. 17-T32N-R32N-R4W).

*Cnemidophorus sacki innotatus*: Dean  
and Stock, 1961:125 (§Archuleta  
Co.: 3 and 5 mi. N Arboles).

SUPPLEMENTARY SPECIMENS:

\**Garfield Co.*—4 mi. NE Silt (1),  
19698; 6 mi. N Rifle (1), 19699.

\**La Plata Co.*—Ft. Lewis College, Durango  
(1), 21549.

\*Not previously represented in the University of Colorado Museum.  
§County Record.

**CROTAPHYTUS COLLARIS  
AURICEPS FITCH and TANNER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

Western Collared Lizard: Van Riper  
and Niedrach, 1952:28, 29 (photos;  
western Colorado).

*Crotaphytus collaris auriceps*: Miller,  
1961:1 (Mesa Co.: Colorado National  
Monument). Dean and Stock,  
1961:125 (Archuleta Co.: 1 mi. W  
Arboles).

*Crotaphytus collaris*: McCoy, 1962b:  
41 (Mesa County: Grand Valley of  
the Colorado River). Harris, 1963:  
19 (Archuleta Co.: Arboles).

SUPPLEMENTARY SPECIMENS:

*Dolores Co.*—10 mi. NE Cahone (1),  
19651.

**CROTAPHYTUS COLLARIS  
COLLARIS (SAY)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Crotaphytus collaris*: McLain, 1899:  
2 (§Otero Co.: La Junta).

Collared Lizard: Barry, 1932a:58  
(Baca Co.).

*Crotaphytus collaris collaris*: Banta,  
1965a (Wet Mountains).

SUPPLEMENTARY SPECIMENS:

*Bent Co.*—25 mi. SW Las Animas (1),  
19652; 7.3 mi. NE Higbee (1),  
19653.

\**Huerfano Co.*—2-4 mi. E Farisita  
(1), 5975.

\**Otero Co.*—4 mi. S La Junta (2),  
19654-55.

*Prowers Co.*—5 mi. S Lamar (Barry,  
1934); Petrified Forest (Barry,  
1934); 0.75 mi. NE Two Buttes  
Reservoir Dam (1), 13666.

**CROTAPHYTUS WISLIZENI  
PUNCTATUS TANNER and  
BANTA**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Crotaphytus wislizeni wislizeni*: Miller, 1961:1 (Mesa Co.: Colorado National Monument).

*Crotaphytus wislizeni*: McCoy, 1962b: 41 (Mesa Co.: Grand Valley of the Colorado River).

*Crotaphytus wislizeni punctatus* Tanner and Banta, 1963:138-143, figs. 4-5 (Mesa Co.: Grand Junction; original description).

SUPPLEMENTARY SPECIMENS:

*Garfield Co.*—Baxter Pass Rd. nr. Co. line (2), 19826-7.

**EUMECES MULTIVIRGATUS  
GAIGEA TAYLOR**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Eumeces multivirgatus*: Harris, 1963: 24 (quotes Maslin's record for Archuleta Co.).

*Eumeces multivirgatus gaigae*: Banta, 1965a (Wet Mountains). Banta and Torbit, 1965 (§Fremont Co.). Douglas, 1965 (§Montezuma Co.).

SUPPLEMENTARY SPECIMENS:

*Conejos Co.*—1 mi. W Rio Grande on Colo. 142 (1), 19700.

*La Plata Co.*—Junction Creek, 4 mi. NW Durango (2), 17815-6.

*Plata Co.*—Junction Creek, 4 mi. NW Durango (2), 17815-6.

**EUMECES MULTIVIRGATUS  
MULTIVIRGATUS (HALLOWELL)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Eumeces multivirgatus multivirgatus*:

§County Record.

†Not a museum or county record.

\*Not previously represented in the University of Colorado Museum.

Maslin, 1964 (Boulder Co. area).  
Torbit, 1965 (El Paso Co.).

SUPPLEMENTARY SPECIMENS:

*Arapahoe Co.*—5.5 mi. S Altura (1), 19701; 10 mi. SE Watkins (1), UIMNH.

*Elbert Co.*—3 mi. S Agate (1), UIMNH; 5 mi. NW River Bend (1), 19702.

†*El Paso Co.*—Colorado Springs (2), AMNH 57698-9.

*Lincoln Co.*—3 mi. S Arriba (1), 19703; 18 mi. S Hall Station (1), UIMNH.

*Phillips Co.*—6 mi. SE Paoli (1), 19704.

**EUMECES OBSOLETUS (BAIRD  
and GIRARD)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Eumeces obsoletus*: Banta, 1965a (Wet Mountains). Banta and Torbit 1965 (§Fremont Co.).

Sonoran Skink: Barry, 1932a:58 (Baca Co.).

SUPPLEMENTARY SPECIMENS:

*Bent Co.*—Setchfield Lake, 25 mi. S Las Animas (2), 19705-6.

\**Las Animas Co.*—25 mi. S Higbee (1), 25698.

*Pueblo Co.*—Fort Reynolds(1), USNM 7842.

**HOLBROOKIA MACULATA  
MACULATA GIRARD**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Holbrookia maculata*: McLain, 1899: 2 (Pueblo Co.: Pueblo).

Spotted Lizard: Barry, 1932a:58 (Baca Co.).

*Holbrookia maculata maculata*: Maslin, 1964 (Boulder Co. area). Torbit, 1965 (El Paso Co.). Banta, 1965a (Wet Mountains). Banta and Torbit, 1965 (§Fremont Co.).

SUPPLEMENTARY SPECIMENS:

*Arapahoe Co.*—10 mi. W, 2 mi. S Last Chance (1), 25656.

*Bent Co.*—N shore John Martin Reservoir, 6 mi. W dam (4), 19656-9.

*Crowley Co.*—Olney (1), USNM 25344; 7 mi. N Fowler (9), UMMZ 68529; 10-11 mi. NNW Crowley (1), 25630.

*Huerfano Co.*—Dog Springs Arroyo (2), 17859-60.

*Jefferson Co.*—Platte Canyon (1), USNM 29612.

*Kit Carson Co.*—5 mi. S Flagler (1), 19660.

*Lincoln Co.*—Fordero (1), 19661.

*Prowers Co.*—Two Butte Creek, 12 mi. SE Cheney Center (1), 19662.

A shriek was observed holding one of these lizards in its beak, 5 mi. SW Midway, Baca Co., Colorado. The specimen from Arapahoe Co. still possessed uterine eggs when captured July 29, 1964.

**PHRYNOSOMA CORNUTUM**  
(HARLAN)

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

Texas Horned Lizard: Barry, 1932a: 58 (Baca Co.).

*Phrynosoma cornutum*: Harris, 1963: 22 (regards Cope's 1900 record for Archuleta Co. an error).

SUPPLEMENTARY SPECIMENS:

*Otero Co.*—2 mi. W Higbee (1), 16958.

*Prowers Co.*—8 mi. W Lamar (1), 19686.

§County Record.

\*Not previously represented in the University of Colorado Museum.

**PHRYNOSOMA DOUGLASSI**  
**BREVIROSTRE GIRARD**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

Common Horned Lizard: Barry, 1932a:58 (§Baca Co.).

*Phrynosoma douglassi brevirostre*: Maslin, 1964 (Boulder Co. area). Torbit, 1965 (El Paso Co.). Banta, 1965a (Wet Mountains).

SUPPLEMENTARY SPECIMENS:

*Crowley Co.*—6 mi. N Ordway (1), 19687.

*Douglas Co.*—Larkspur (1), CNHM 94951.

*Elbert Co.*—5 mi. NW Riverbend (1), 19688.

\**El Paso Co.*—0.5 mi. W Rush (1), 25643.

*Lincoln Co.*—0.5 mi. W Fordero (1), 19689.

*Logan Co.*—Buttes 4 mi. N Willard (1), 19690; buttes 22 mi. N Sterling (2), HMS.

*Otero Co.*—Rocky Ford (1), UIMNH. *Pueblo Co.*—15 mi. E Pueblo (1), 19691.

No. 19687 was taken alive on a road about 8:00 p.m., long after dark, June 29, 1961.

**PHRYNOSOMA DOUGLASSI**  
**HERNANDESI GIRARD**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Phrynosoma douglassi hernandesi*: Miller, 1961:2 (Mesa Co.: Book Cliffs).

?*Phrynosoma douglassi*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

**PHRYNOSOMA DOUGLASSI  
ORNATISSIMUM GIRARD**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:*Phrynosoma douglassi ornatissimum*:  
Miller, 1961:1 (Mesa Co.: Colorado  
National Monument). Kerfoot,  
1962:78-79 (§Las Animas Co.: nr.  
Raton Pass, S Trinidad, 7800 ft.).?*Phrynosoma douglassi*: McCoy,  
1962b:41 (Mesa Co.: Grand Valley  
of the Colorado River). Harris,  
1963:22 (Archuleta Co.: SW ¼ of  
SE ¼ of S. 10-T32N-R5W).

SUPPLEMENTARY SPECIMENS:

*Dolores Co.*—29.3 mi. E Cahone (1),  
19692.*Rio Grande Co.*—Monte Vista (28),  
UMMZ 62241-68.**SCELOPORUS GRACIOSUS  
GRACIOSUS BAIRD and GIRARD**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:*Sceloporus graciosus graciosus*: Mil-  
ler, 1961:1 (Mesa Co.: Colorado  
National Monument). Stock, 1962:  
193 (§Gunnison Co.: Black Canyon  
of the Gunnison 0.75 mi. W Sap-  
inero 7500 ft. Montrose Co.: jct.  
Cimarron Creek-Gunnison R. 7150-  
7180 ft.).*Sceloporus graciosus*: McCoy, 1962b:  
41 (Mesa Co.: Grand Valley of the  
Colorado River). Harris, 1963:20-  
21 (La Plata Co.: 0.5 mi. W, 0.25  
mi. N Allison).

SUPPLEMENTARY SPECIMENS:

*Eagle Co.*—Basalt (2), MCZ 32788-9;  
5 mi. E Dotsero (4), 20182-5; Mc-  
Coy (Barry, 1934).†*Gunnison Co.*—Black Canyon, Gunni-son River (3), MZUU 3778-80.  
°*Montrose Co.*—12 mi. NW Paradox  
(4), 17381-84.**SCELOPORUS UNDULATUS  
ELONGATUS STEJNEGER**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:*Sceloporus undulatus elongatus*: Leg-  
ler, 1960:181 (Mesa Co.: 3 mi. E  
and 4 mi. S Collbran). Miller,  
1961:1 (Mesa Co.: Colorado Na-  
tional Monument). Stock, 1962:  
192-3 (Gunnison Co.: jct. Red  
Creek-Gunnison R. 7300 ft., 0.75  
mi. N jct. Dry Gulch-Gunnison R.  
8100 ft., 1 mi. N jct. Dry Gulch-  
Gunnison R. 8300 ft. Montrose Co.:  
jct. Cimarron Creek-Gunnison R.  
7170 ft.).*Sceloporus undulatus*: McCoy, 1962b:  
41 (Mesa Co.: Grand Valley of the  
Colorado River). Harris, 1963:20  
(part; localities quoted from Mas-  
lin).

SUPPLEMENTARY SPECIMENS:

*Delta Co.*—20 mi. NW Delta in Dom-  
inguez Canyon (5), 19663-7.**SCELOPORUS UNDULATUS  
ERYTHROCHEILUS MASLIN**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:Rock Swift: Barry, 1932a:58 (Baca  
Co.).*Sceloporus undulatus erythrocheilus*:  
Kerfoot, 1962:78 (Las Animas Co.:  
Raton Pass S Trinidad). Taylor and  
Walker, 1964:457 (Boulder Co.:  
Flagstaff Mountain; lip color). Mas-  
lin, 1964 (Boulder Co. area). Tor-  
bit, 1965 (El Paso Co.). Banta,  
1965a (Wet Mountains).

§County Record.

†Not a museum or county record.

°Not previously represented in the University of Colorado Museum.

## SUPPLEMENTARY SPECIMENS:

*Clear Creek Co.*—3 mi. SE Floyd Hill (1), 19791.

*Custer Co.*—2.5 mi. E Wetmore (1), 19795.

*Park Co.*—South Park (1), USNM 8212; 1 mi. W Teller Co. line, 14 mi. E Guffey (1), 25589; Estabrook (Barry, 1934).

*Prowers Co.*—Two Butte Creek, 12 mi. SE Cheney Center (7), 19672-78; Petrified Forest (Barry, 1934).

*Teller Co.*—West Creek (1), 20122.

When available, old buildings seem preferable to rocks as a habitat, although specimens are found chiefly in rocky regions. Young of the year were seen August 12, 1961, but were not observed ten days earlier.

**SCELOPORUS UNDULATUS  
GARMANI BOULENGER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Sceloporus undulatus garmani*: Maslin, 1964 (Boulder Co. area).

## SUPPLEMENTARY SPECIMENS:

*Baca Co.*—Cimarron River, 19 mi. SE Stonington (2), 19679-80.

*Lincoln Co.*—1 mi. W Boyero (2), 19681-2.

Young of the year were taken as early as July 14, 1963 (19679-80), in contrast with the mid-August date for the earliest observation of *erythrocheilus*. Unfortunately, observations are not available for both subspecies in the same year. Although specimens of both subspecies have been taken but 20 miles apart in several areas in eastern Colorado (e.g. Weld, Baca, Prowers Cos.), their habitats are sharply different and no evidence of intergradation—or even of habitation—in intervening zones has been obtained. These observations coincide

with McCoy's (1961:81) discovery that no intergradation or sympatry of these two subspecies is known in adjacent Oklahoma.

**SCELOPORUS UNDULATUS  
TRISTICHTUS COPE**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Sceloporus undulatus tristichus*: Dean and Stock, 1961:125 (Archuleta Co.: RM 1.5 Piedra River 6015 ft., 1 mi. W Arboles, 7 mi. N Arboles).

*Sceloporus undulatus*: Harris, 1963: 20 (Archuleta Co.: part; Archuleta Canyon, Deep Canyon, Stollsteimer Creek nr. mouth Deep Canyon, Piedra River 12 mi. N Arboles, NE  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of S. 18-T32N-R4W).

**UROSAURUS ORNATUS  
WRIGHTI (SCHMIDT)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Urosaurus ornatus wrighti*: Miller, 1961:1 (Mesa Co.: Colorado National Monument).

*Urosaurus ornatus*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River). Harris, 1963:22 (regards Cary's 1911 report for Archuleta Co. as a probable error).

## SUPPLEMENTARY SPECIMENS:

*La Plata Co.*—2.2 mi. SW Durango (1), 25574.

**UTA STANSBURIANA  
STANSBURIANA BAIRD and  
GIRARD**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Uta stansburiana stansburiana*: Miller, 1961:1 (Mesa Co.: Colorado National Monument).



*Uta stansburiana*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

SUPPLEMENTARY SPECIMENS:

*Delta Co.*—20 mi. N Delta in Dominguez Canyon (3), 19683-5.

**ARIZONA ELEGANS  
BLANCHARDI KLAUBER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Arizona elegans blanchardi*: McCoy, 1962a:61-62 (§Cheyenne Co.: 8 mi. S Kit Carson; Otero Co.: 5 mi. S La Junta).

SUPPLEMENTARY SPECIMENS:

*Baca Co.*—20 mi. SE Springfield (1), 19707.

*Las Animas Co.*—10 mi. S Higbee (1), 25700.

No. 19707 was taken on a sandy road about 8:00 p.m. in mid-August shortly after a heavy rain. The other was taken at 2:00 a.m. also in mid-August, on a gravelly, dry road.

**COLUBER CONSTRICTOR  
FLAVIVENTRIS SAY**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Coluber constrictor flaviventris*: Maslin, 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

*Douglas Co.*—1.5 mi. SW Franktown (1), 19708.

*El Paso Co.*—N edge Colorado Springs (1), 19709.

†*Las Animas Co.*—Trinidad (1), UKMNH 5543.

*Lincoln Co.*—12 mi. W and 6 mi. S Boyero (1), 25542.

§County Record.

†Not a museum or county record.

\*Not previously represented in the University of Colorado Museum.

*Morgan Co.*—1 mi. S and 0.5 mi. W Weldona (1), 19710; Muir Springs (1), 19711.

\**Prowers Co.*—24 mi. S Lamar on U.S. 287 (1), UCM.

**COLUBER CONSTRICTOR  
MORMON BAIRD and GIRARD**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Coluber constrictor mormon*: Miller, 1961:2 (Mesa Co.: betw. Fruita and Grand Junction). McCoy, 1962a:61 (§Garfield Co.: Roan Creek Rd. 1 mi. SE jct. with Clear Creek Rd. Mesa Co.: Grand Junction).

*Coluber constrictor*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

SUPPLEMENTARY SPECIMENS:

\**Mesa Co.*—Grand Junction (1), 15292.

**CROTALUS VIRIDIS  
CONCOLOR WOODBURY**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

Rattlesnakes: Hill, 1943:59-61, fig. (NW Colorado; interesting notes on denning, young, other habits).

*Crotalus viridis concolor*: Miller, 1961:2 (Mesa Co.: Colorado National Monument).

*Crotalus viridis*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

SUPPLEMENTARY SPECIMENS:

*Rio Blanco Co.*—26 mi. W Rio Blanco, 6400 ft. (5), 19757-61.

†*Routt Co.*—7.6 mi. W Hayden, Co. Rd. 80, 7200 ft. (1), MVZ 67746; S

Fork Little Snake River (29),  
MZUU 1028-1056.

**CROTALUS VIRIDIS  
NUNTIUS KLAUBER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Crotalus confluentus nuntius* Klauber,  
1935:78, pl. 8, fig. 1, map 1 (original description).

*Crotalus viridis nuntius*: McCoy,  
1962:62 (reallocation of Montezuma county specimens to *nuntius* rather than to *v. viridis*).

**CROTALUS VIRIDIS  
VIRIDIS (RAFINESQUE)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Crotalus confluentus*: McLain, 1899:  
5 (El Paso Co.: Colorado Springs;  
Arapahoe Co.).

Prairie Rattlesnake: Barry, 1932a:58  
(Baca Co.; Weld Co.: Milton Reservoir E Platteville).

*Crotalus confluentis confluentis* (sic):  
Barry, 1932b:86, fig. (presumably Colorado).

*Crotalus viridis*: Stabler, 1948:168  
(El Paso Co.: 2 mi. NE Colorado Springs). Dean and Stock, 1961:  
127 (§Archuleta Co.: 7 mi. NE Arboles; RM 180, San Juan R.). Harris, 1963:26-27 (Archuleta Co.: 4 mi. S jct. Colo. 151 and U.S. 160).

*Crotalus viridis viridis*: Maslin, 1964  
(Boulder Co. area). Torbit, 1965  
(El Paso Co.). Banta, 1965a (Wet Mountains). Banta and Torbit, 1965 (§Custer Co.).

SUPPLEMENTARY SPECIMENS:

*Arapahoe Co.*—5 mi. SE Buckley (1),  
19762; 15 mi. E Byers (1), HMS.

*Bent Co.*—3 mi. SE Higbee on E side  
of Purgatoire River (1), 19763.

*Cheyenne Co.*—15 mi. N Wild Horse  
(1), 19764.

\**Conejos Co.*—1-2 mi. W Rio Grande  
on Colo. 142 (4), 25567-70.

*Costilla Co.*—5 mi. SSE Ft. Garland  
(1), AMNH 62850; 14 mi. W San  
Luis (1), 25638.

*Douglas Co.*—Daniels Park (2), DM.

*Fremont Co.*—7 mi. S Florence (1),  
19793.

*Lincoln Co.*—18 mi. S Hall Station  
(1), 25628.

*Prowers Co.*—3 mi. S Holly (1),  
19765; Petrified Forest (Barry,  
1934).

*Sedgwick Co.*—1 mi. SE Sedgwick  
(1), 25657.

Specimens found during the day were for the most part under large boards, sections of fallen houses, or in piles of boards. Those found at night were encountered on roads. In early morning or late afternoon, or on cool, partly cloudy days they were occasionally found abroad. Three were found together on debris in the semidarkness of a room in an abandoned farmhouse. The track of one specimen found LOR 11 mi. SW Midway, Baca Co., Colo., at 6:30 p.m., was traced to the burrow of a kangaroo rat at the side of the road, where presumably the snake had spent the day.

At least half the time when rattlesnakes were found under cover they were taken in pairs, one of each sex. Pairs were observed as early as June 25 and as late as August 12. Several pregnant females were observed in the summer of 1961 but not a single pregnant one, DOR or alive, was observed in the some two dozen specimens examined in the summer of 1963. It is suggested that the number

§County Record.

\*Not previously represented in the University of Colorado Museum.

of young produced by the populations of eastern Colorado differed markedly in the summers of 1961 and 1963.

One specimen contained a kangaroo rat in the stomach, another a young pheasant, another two mice.

**ELAPHE GUTTATA  
EMORYI (BAIRD and GIRARD)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Elaphe guttata intermontanus*: Miller, 1961:2 (Mesa Co.: may be in Colorado National Monument).

*Elaphe guttata*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

SUPPLEMENTARY SPECIMENS:

*Baca Co.*—15 mi. S and 12 mi. W Pritchett at Cottonwood Creek (1), 14968.

*Bent Co.*—N end of dam at John Martin Reservoir (1), 15233.

\**Garfield Co.*—6 mi. N Rifle (1), 19712.

Although we judge it very likely that the populations isolated on the west side of the Divide (*E. g. intermontana*) are genetically and therefore racially distinct from those on the east side of the Divide (*E. g. emoryi sensu stricto*), unfortunately the studies thus far published have made it impossible on the basis of phenetic differences to justify nomenclatural distinction at the present time. It is merely wishful thinking to segregate nomenclaturally the two population isolates as they are now known. Dowling (1952:2) synonymized the two populations, and no other synopsis has yet appeared that demonstrates the existence of a real 75 percent phenetic distinction.

\*Not previously represented in the University of Colorado Museum.  
§County Record.

**HETERODON NASICUS  
NASICUS BAIRD and GIRARD**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Heterodon nasicus*: McLain, 1899:3 (§Baca Co.: Springfield). Barry, 1932b:95, fig. (presumably Colorado).

Western Hog-nosed Snake: Barry, 1932a:58 (Baca Co.).

*Heterodon nasicus nasicus*: Maslin, 1964 (Boulder Co. area). Torbit, 1965 (§El Paso Co.).

SUPPLEMENTARY SPECIMENS:

*Arapahoe Co.*—3.7 mi. W Byers (1), 19713.

*Crowley Co.*—17 mi. N Ordway (1), 19714.

*Elbert Co.* 6.5 mi. S Agate (1), UCM.

*Huerfano Co.*—4 mi. S Walsenburg (1), 19715.

*Kit Carson Co.*—5 mi. S Flagler (1), HMS; Landsman Creek, 8 mi. S Stratton (1), 1371.

\**Larimer Co.*—2.5 mi. N Masonville (1), 25577.

\**Las Animas Co.*—23 mi. E Trinidad (1), 13889.

*Lincoln Co.*—16.8 mi. N Arriba (1), 25641; 23 mi. S Hall Station (1), UIMNH.

**HYP SIGLENA TORQUATA  
LOREALA TANNER**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Hypsiglena torquata loreala*: Miller, 1961-2 (§Mesa Co.: Colorado National Monument). McCoy, 1962a: 62 (Mesa Co.: Colorado National Monument).

*Hypsiglena torquata*: McCoy, 1962b: 41 (Mesa Co.: Grand Valley of the Colorado River).

**HYSIGLENA TORQUATA  
TEXANA STEJNEGER**

## SUPPLEMENTARY SPECIMENS:

*Bent Co.*—near Setchfield Lake (1), 17206.*Otero Co.*—4 mi. S La Junta (1), 17205.†*Pueblo Co.*—Lime, near St. Charles River (1), 17207.

One was found in rotten cedar shingles on the ground, another under a large pile of boards.

**LAMPROPELTIS TRIANGULUM  
CELAENOPS STEJNEGER**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:*Lampropeltis doliata*: Harris, 1963: 2b (§Archuleta Co.: mouth Deep Canyon).

## SUPPLEMENTARY SPECIMENS:

*La Plata Co.*—Ft. Lewis College, Durango (1), 21550.**LAMPROPELTIS TRIANGULUM  
GENTILIS (BAIRD and GIRARD)**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:*Lampropeltis triangulum gentilis*: Blanchard, 1921:171 (§Las Animas Co.). Maslin, 1964 (Boulder Co. area).

## SUPPLEMENTARY SPECIMENS:

*Bent Co.*—McClave, NE John Martin Reservoir (1), 13892.*Denver Co.*—(1), DM.*Douglas Co.*—Castle Rock (1), USNM 79103.*Elbert Co.*—4 mi. NW Agate (1), 19716.*El Paso Co.*—9 mi. SSW Colorado Springs (1), CAS field 2501.*Logan Co.*—6 mi. S, 12 mi. W Peetz (1), UKMNH 41850.\**Weld Co.*—10 mi. E Roggen (2), 19717-8; 12 mi. E Roggen (1), 19719.These specimens are typical of *gentilis* in pattern. It should be noted that specimens from extreme north-eastern Colorado may be expected to approach or to be allocated with *L. t. multistrata*, according to the distributional information given by Tanner and Loomis (1957).**LAMPROPELTIS TRIANGULUM  
TAYLORI TANNER and LOOMIS**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:*Lampropeltis doliata taylori*: Miller, 1961:2 (Mesa Co.: Colorado National Monument).*Lampropeltis doliata*: McCoy, 1962b: 41 (Mesa Co.: Grand Valley of the Colorado River).**MASTICOPHIS FLAGELLUM  
TESTACEUS (SAY)**SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

Red Racer: Barry, 1932a:58 (Baca Co.).

*Masticophis flagellum testaceus*: Banta, 1965 (Wet Mountains).

## SUPPLEMENTARY SPECIMENS:

*Bent Co.*—8.7 mi. S Las Animas (1), 19720.*Cheyenne Co.*—10 mi. S Kit Carson (1), 19790.*Crowley Co.*—13 mi. N Ordway (1), 25627.

†Not a museum or county record.

§County Record.

\*Not previously represented in the University of Colorado Museum.

\**Pueblo Co.*—in Pueblo near Radio Station KCSJ (1), 1972; mouth of Huerfano Canyon, 23-25 mi. SE Pueblo (2), UCM.

One juvenile was found dead on a cowpath 8 mi. SW Midway, Baca Co., Colorado, August 17, 1963, presumably trampled by cows.

We here regard *M. f. flavigularis* Hallowell a synonym of *testaceus*, despite the apparent distinctness of adults in the Pueblo area. The color race *testaceus sensu stricto* blends over a broad area with less reddish populations to the east and south; differentiation of immature and preserved specimens is impossible. Even though the most characteristic populations of *testaceus sensu stricto* seem to be at least marginally distinct on a percentage basis of color in adults only, we are aware that there is little practical value in any attempt to recognize a race, however valid, the gross total of members of which are so infrequently recognizable by available characters.

#### MASTICOPHIS TAENIATUS TAENIATUS (HALLOWELL)

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Masticophis taeniatus taeniatus*: Miller, 1961:2 (Mesa Co.: Colorado National Monument).

*Masticophis taeniatus*: McCoy, 1962b:41 (Mesa Co.: Grand Valley of the Colorado River).

#### NATRIX SIPEDON SIPEDON (LINNAEUS)

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Natrix sipedon sipedon*: Batson, 1949: 147 (birth of young, possibly from

Denver). Maslin, 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

*Arapahoe Co.*—Platte River nr. Littleton (1), DM.

*Bent Co.*—N end dam John Martin Reservoir (1), 15263.

*Morgan Co.*—1 mi. S and 0.5 mi. W Weldona (1), 19722.

#### OPHEODRYS VERNALIS BLANCHARDI GROBMAN

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Ophedrys vernalis*: Harris, 1963:25 (quotes Maslin's records).

*Ophedrys vernalis blanchardi*: Maslin, 1964 (Boulder Co. area).

#### PITUOPHIS MELANOLEUCUS AFFINIS HALLOWELL

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Pituophis catenifer*: Dean and Stock, 1961:126 (§La Plata Co.: 2 mi. S Tiffany; specimen stated to resemble *affinis*). Harris, 1963:26 (Archuleta Co.: 0.4 mi. S jct. Colo. 151 and U.S. 160).

SUPPLEMENTARY SPECIMENS:

\**La Plata Co.*—2 mi. NE Durango on Colo. 45 (1), 19732.

#### PITUOPHIS MELANOLEUCUS DESERTICOLA STEJNEGER

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Pituophis catenifer deserticola*: Miller, 1961:2 (Mesa Co.: Colorado National Monument).

*Pituophis catenifer*: McCoy, 1962b:

\*Not previously represented in the University of Colorado Museum.  
§County Record.

41 (Mesa Co.: Grand Valley of the Colorado River).

SUPPLEMENTARY SPECIMENS:

*Delta Co.*—Eckert (1), UKMNH 39360; 3 mi. S Co. line, U.S. 50 (1), 25684.

*Eagle Co.*—1 mi. W Eagle (1), 21639.

*Gunnison Co.*—18.5 mi. W Sapinero on Colo. 92 (1), 19731.

*Rio Blanco Co.*—3 mi. S Ninemile Gap (1), 25576.

*San Miguel Co.*—3 mi. NW Gladel (1), 18728.

**PITUOPHIS MELANOLEUCUS**

**SAYI (SCHLEGEL)**

SUPPLEMENTARY PUBLISHED

ACCOUNTS AND RECORDS:

*Pituophis catenifer sayi*: Engle, 1924: 37-38 (gastroliths, possibly Boulder Co.).

Bull Snake: Barry, 1932a:58 (Baca Co.).

*Pituophis melanoleucus sayi*: Maslin, 1964 (Boulder Co. area). Torbit, 1965 (El Paso Co.). Banta, 1965a (Wet Mountains).

SUPPLEMENTARY SPECIMENS:

*Alamosa Co.*—12 mi. E Alamosa (1), 25683.

*Bent Co.*—7 mi. W Las Animas (1), 19727.

*Cheyenne Co.*—5.2 mi. N Wild Horse (1), 19728; 7 mi. S Firstview (1), 15277; 8 mi. S Firstview (1), 15728; 1 mi. E Firstview (1), 19771.

*Crowley Co.*—10 mi. N Ordway (1), 19726; 2 mi. W Crowley (1), UIMNH.

*Custer Co.*—1 mi. S Wetmore (1), 19792.

\**Denver Co.*—Alcott (Berkeley) (1), 13727.

\*Not previously represented in the University of Colorado Museum.  
 §County Record.

*El Paso Co.*—Fountain Valley School, Colorado Springs (1), CNHM 95337; 1 mi. E, 2.1 mi. S Ramah (1), 25631.

\**Fremont Co.*—20 mi. W Canon City (1), 17879.

*Huerfano Co.*—2 mi. N Walsenburg (1), 25699.

*Kit Carson Co.*—1 mi. S Flagler (1), 19725.

*Logan Co.*—4 mi. E Sterling (1), 19729.

*Phillips Co.*—3.5 mi. W Paoli (1), 19730.

*Pueblo Co.*—23 mi. SE Pueblo (1), 19724; 10 mi. SW Pueblo (1), 19723.

*Saguache Co.*—8 mi. N Saguache (1), 25636.

**RHINOCHEILUS LECONTEI**

**TESSELLATUS GARMAN**

SUPPLEMENTARY PUBLISHED

ACCOUNTS AND RECORDS:

*Rhinocheilus lecontei tessellatus*: McCoy, 1962a:62 (§Bent Co.: N end John Martin Dam).

**SISTRURUS CATENATUS**

**EDWARDSI/TERGEMINUS**

SUPPLEMENTARY PUBLISHED

ACCOUNTS AND RECORDS:

*Sistrurus catenatus edwardsi/tergeminus*: Maslin, 1965 (review of Colorado populations of *Sistrurus*).

SUPPLEMENTARY SPECIMENS:

*Cheyenne Co.*—4.9 mi. W Wild Horse on Dale George Ranch (1), 19754; 11 mi. S Kit Carson (1), 19973.

*Crowley Co.*—5 mi. SE Sugar City (1), 19755.

*Lincoln Co.*—17 mi. S Punkin Center (1), 19756; 1 mi. E Punkin Center

(1), 25642; 14 mi. S Hall Station (1), 25625.  
*Otero Co.*—Timpas, U.S. 350 (1), MSWB.  
 No. 19755 contained two *Peromyscus* in its stomach.

**SONORA EPISCOPA  
 EPISCOPA (KENNICOTT)**

SUPPLEMENTARY SPECIMENS:

*Baca Co.*—Dodge Ranch, 2 mi. S Carizo Mountains (1), 7654.<sup>2</sup>  
*Otero Co.*—2 mi. W Higbee (1), 15295.

**TANTILLA NIGRICEPS  
 NIGRICEPS KENNICOTT**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

*Tantilla nigriceps nigriceps*: Maslin, 1964 (Boulder Co. area). Banta, 1965b (§Fremont Co.).

SUPPLEMENTARY SPECIMENS:

*Bent Co.*—N end of dam at John Martin Reservoir (1), 19751.  
*Jefferson Co.*—Waterton Canyon, S34-T65 N-R69W (1), 11838.

**TANTILLA UTAHENSIS  
 BLANCHARD**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

*Tantilla utahensis* Blanchard, 1938: 372 (original description). Putnam, Wright, Traher, and Boone, 1964:35 (§Mesa Co.: Palisade; first record for state). McCoy, Knopf and Walker, 1964:135-136 (Mesa Co.: Grand Junction Ranger Station, 1 mi. W Grand Junction Ranger Station, 5 mi. W Grand Junction, all in Colorado National Monument).

**THAMNOPHIS CYRTOPSIS  
 CYRTOPSIS (KENNICOTT)**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

*Thamnophis cyrtopsis*: Harris, 1963: 24-25 (§Archuleta Co.: 1.33 mi. S jct. Yellowjacket turnoff and Colo. 151).

SUPPLEMENTARY SPECIMENS:

*Baca Co.*—15 mi. S and 12 mi. W Pritchett at Cottonwood Creek (4), 14970-73.  
*Mesa Co.*—3.2 mi. up John Brown Canyon near Gateway (1), 17201.  
*Pueblo Co.*—23 mi. SE Pueblo at mouth of Huerfano Canyon (1), 14974; 1 mi. W Pueblo city limit (3), 17202-4.

**THAMNOPHIS ELEGANS  
 VAGRANS (BAIRD and GIRARD)**

SUPPLEMENTARY PUBLISHED  
 ACCOUNTS AND RECORDS:

?*Thamnophis* sp.: Hall, 1912:336 (El Paso Co.: Colorado Springs).  
*Thamnophis elegans vagrans*: Miller, 1961:2 (Mesa Co.: Colorado National Monument). Dean and Stock, 1961:126 (Archuleta Co.: RM 1.5 Piedra R.; La Plata Co.: Los Pinos R. 8 mi. S Ignacio). Stock, 1962: 193 (Gunnison Co.: 0.5 mi. N jct. Red Creek-Gunnison R. 7360 ft., 1 mi. N jct. Steuben Creek-Gunnison R. 7400 ft., Willow Creek 1.5 mi. S Elkhorn Bridge 7540 ft., East Elk Creek 1 mi. N Gunnison R. 7430 ft., jct. Dry Gulch-Gunnison R. 7400 ft.). Kerfoot, 1962:78 (Las Animas Co.: Raton Pass, S Trinidad). Maslin, 1964 (Boulder Co. area). Banta, 1965a (Wet Mountains).

*Thamnophis elegans*: McCoy, 1962b:

<sup>2</sup>This specimen was erroneously allocated to Las Animas County by Maslin (1959).  
 §County Record.

41 (Mesa Co.: Grand Valley of the Colorado River). Harris, 1963:25 (La Plata Co.: Allison, 1 mi. W Allison; Archuleta Co.: Gordon Creek nr. jct. with Piedra River, 0.4 mi. S jct. Colo. 151 and U.S. 160, Stollsteimer Creek 1.25 mi. E and 1 mi. S Chimney Rock, Deep Canyon 4 mi. S and 0.5 mi. W Chimney Rock, 17 mi. S jct. Colo. 151 and U.S. 160).

SUPPLEMENTARY SPECIMENS:

*Alamosa Co.*—San Luis Valley (5), CNHM 95617-21; 1.5 mi. S Alamosa (1), 25689.

*Arapahoe Co.*—9.3 mi. E Byers (1), 19733; 1 mi. E Englewood (6), 16977-82.

\**Baca Co.*—Cottonwood Creek, Bob Dodge Ranch, 15 mi. S and 12 mi. W Pritchett (18), 14975-92; Furnace [Furnish] Canyon (Barry, 1934).

*Clear Creek Co.*—W Chicago Creek, 4 mi. WSW Idaho Springs (1), 19734; Bendemeer Park (Barry, 1934).

*Dolores Co.*—21.9 mi. E Cahone (3), 19735-7.

\**Eagle Co.*—jct. Colorado and Eagle Rivers (1), 25690.

\**Jefferson Co.*—Fish Hatchery nr. Morrison (1), 25583.

\**Hinsdale Co.*—Regans Lake, 25 mi. W Creede (1), 25688.

*Mineral Co.*—13.1 mi. SW Creede (1), 19738.

\**Park Co.*—2 mi. W Bailey (1), 25645.

\**Rio Grande Co.*—7 mi. N, 2.5 mi. W Monte Vista (1), 25637; 7 mi. W Del Norte (1), 25647.

\**Saguache Co.*—2 mi. NE Saguache (1), UCM; 2 mi. S Saguache (1), 25646; 2 mi. E Saguache (1), UIMNH.

*San Juan Co.*—1 mi. NE of San Juan Co. line on U.S. 550 (1), 19741.

\**Summit Co.*—1 mi. W Frisco (1), 25566.

*Teller Co.*—Westcreek (1), 20123.

**THAMNOPHIS PROXIMUS  
DIABOLICUS (ROSSMAN)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Thamnophis proximus diabolicus*: Rossman, 1963:135-138, fig. 2 (map) (original description; reallocation of Baca Co. record of *T. sauritus proximus* of Maslin, 1959:52, to *T. p. diabolicus*).

**THAMNOPHIS RADIX  
HAYDENI (KENNICOTT)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Thamnophis radix*: Barry, 1932c:87, fig. (presumably Colorado).

*Thamnophis radix haydeni*: Maslin, 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

\**Arapahoe Co.*—E Bijou Creek, 7 mi. E Byers (1), 19773.

*Bent Co.*—Lake Setchfield, 25 mi. S Las Animas (1), 19742.

*Cheyenne Co.*—5 mi. W Wild Horse (1), 19743.

*Douglas Co.*—4.2 mi. S Parker (1), 19745.

*Elbert Co.*—9 mi. NW Riverbend (1), 19746.

*Kit Carson Co.*—20 mi. N Wild Horse (1), 19744.

*Lincoln Co.*—10 mi. SE Hugo (1), 19747.

*Logan Co.*—0.5 mi. E Sterling (1), 19748.

*Phillips Co.*—0.5 mi. S Haxtun (1), 19749.

*Washington Co.*—3 mi. W Lindon (1), 19772.

\*Not previously represented in the University of Colorado Museum.



The Phillips Co. specimen had 26 embryos, each about 10 cm. long, and was taken July 6, 1963.

**THAMNOPHIS SIRTALIS  
ORNATUS (BAIRD)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Eutaenia ornata*: Baird, 1859: 16, pl. 9 (original description).

*Thamnophis sirtalis ornata*: Fitch and Maslin, 1961:297-299, figs. 1 (map), 4 (dorsal pattern) (Yarrow's 1875: 554 record for the "Rio Grande, Colorado" is tentatively pinpointed to Alamosa Co. and referred to *T. s. ornatus* as the only record available for Colorado).

**THAMNOPHIS SIRTALIS  
PARIETALIS (SAY)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Thamnophis sirtalis parietalis*: Smith, 1956:292, fig. 226 (§Adams Co.: Derby). Fitch and Maslin, 1961: 296 (12 locality records plotted but not identified in northeastern Colorado). Maslin, 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

†Adams Co.—10 mi. E Derby (1), UMMZ 78520.

Douglas Co.—Lamb Spring Site (1), USNM 147859.

Logan Co.—Merino (1), USNM 37033.

Morgan Co.—Muir Springs (1), 19750.

\*Sedgwick Co.—3 mi. SE Ovid (1), 25652.

We here call attention again to the fact that UCM 3165 from Baca Co. originally reported (Maslin, 1959:53) as a member of this species actually belongs to *T. radix haydeni* as pointed out by Fitch and Maslin (1961: 293). The latter authors (*loc. cit.*) likewise note that the Cockerell (1910:131) reports from Rio Blanco Co. actually refer to *T. elegans vagrans*. Finally, the same authors (*op. cit.*) refer Yarrow's (1883:126) record of *Eutaenia sirtalis dorsalis*, previously allocated to *parietalis*, to their newly revived *T. s. ornatus*.

**TROPIDOCOLONION LINEATUM  
LINEATUM (HALLOWELL)**

SUPPLEMENTARY PUBLISHED  
ACCOUNTS AND RECORDS:

*Tropidocolonion lineatum lineatum*: Maslin, 1964 (Boulder Co. area).

SUPPLEMENTARY SPECIMENS:

Arapahoe Co.—1 mi. S Altura (1), 19752.

Bent Co.—4.1 mi. N Setchfield Lake (1), 19753.

Lincoln Co.—16 mi. N Genoa (9), UIMNH; 17.4 mi. N Genoa (1), 25575.

§County Record.

†Not a museum or county record.

\*Not previously represented in the University of Colorado Museum.

## REJECTED RECORDS

A number of specimens exist in various museums with data that are open to serious question or are patently unacceptable. We reject the following:

*Bufo b. boreas*: DENVER CO. — Denver (5), CAS.

*Bufo w. woodhousei*: PARK CO. — South Park (1), MCZ 841.

*Urosaurus ornatus wrighti*: LAKE CO. — Twin Lakes (1), USNM 8248.

*Uta s. stansburiana*: ARAPAHOE CO. — Englewood (2), UMMZ 43879-80.

*Agkistrodon piscivorus leucostomus*: BOULDER CO. — Marshall Reservoir, 6 mi. SE Boulder (1), 13880.

*Crotalus v. viridis*: PARK CO. — South Park (1), MCZ 2450.

*Salvadora grahamiae*: MORGAN CO.—Ft. Morgan (1), USNM 131764 (=8974).

*Thamnophis sirtalis parietalis*: GRAND CO. = Granby (1), UKMNH 83921.

Certain literature records likewise now seem seriously questionable. We reject Cope's (1900:435) record of *Phrynosoma cornutum* for Pagosa, Archuleta Co., Yarrow's record (1875:564) of "*Holbrookia maculata propinqua*" for Lake Co., and Barry's (1934) citation of a literature record of *Phrynosoma douglassi hernandesi* for Chaffee Co., and retain as dubious Cary's (1911:26) record of *Urosaurus ornatus wrighti* for Archuleta Co., in conformance with Harris' account (1963). Dr. Clarence J. McCoy has pointed out to us that the record of *Diadophis punctatus arnyi* for Chaffee Co. (Maslin, 1959:55) is unacceptable. His account follows.

"Several recent publications on the herpetology of Colorado have perpetuated an erroneous record of *Diadophis punctatus arnyi* Kennicott from a locality given as 'Cache Creek, Colorado.' A brief examination of the history of this record leaves little doubt that it should be rejected as pertinent to the herpetology of Colorado.

"The pioneer treatment of the amphibians and reptiles of Colorado (Ellis and Henderson, 1913:101) includes a record of '*Diadophis regalis arnyi*' from 'mouth of Cache Creek, Colorado,' cited by Cope (1900:746). This record was again listed by Maslin (1959:55), but with the addition of 'Chaffee County' as the supposed location of the 'mouth of Cache Creek.' Examination of Cope's original record reveals that the citation of the specimen read: '(USNM) 2077-1 (specimen)—Mouth of Cache Creek, Colorado—? (collector unknown)—alcoholic.' Perusal of the earlier report of specimens in the United States National Museum (Yarrow, 1883:96) discloses a citation of a specimen of '*Diadophis punctatus amabilis*' reading: '(USNM) 2072-1 (specimen)—Cache Creek—Lt. A. W. Whipple, USA—alcoholic.' Thus the addition of both 'Colorado' and 'Chaffee County' has been made since the original citation of the specimen.

"Cache Creek is a tributary of the Red River which flows southeastward out of the Wichita Mountains of southwestern Oklahoma. The area was visited by several of the early government surveys, and is well described in the report of the Marcy and McClellan Expedition (Marcy, 1853:7-8). Lt. Whipple was an avid zoological collector stationed on the frontier of this territory during the 1850's. USNM 2077 was examined by Blanchard (1942, Bull. Chicago Acad. Sci. 7:80) and correctly cited as a record of *Diadophis punctatus arnyi* from Cache Creek, Comanche County, Oklahoma. Blanchard also states (*ibid.*:79) that Ortenburger had seen this species on West Cache Creek, and I collected it there several times between 1956 and 1959.

“To summarize, the record of *Diadophis punctatus arnyi* from Cache Creek, ‘Colorado,’ is best rejected because:

1. The state and county locations were subsequently added to the data.
2. The listed collector was in the vicinity of Cache Creek, Oklahoma, in approximately the right year.
3. *Diadophis punctatus arnyi* is a common snake in Comanche County, Oklahoma.
4. The species is unknown in Chaffee County, Colorado, and its presence there is extremely unlikely on ecological grounds.

“The number of the specimen remains a question, but it seems most likely that Yarrow’s citation was in error, and that USNM 2077 listed by Cope, Ellis and Henderson, Blanchard, and Maslin represents the snake from Cache Creek, Comanche County, Oklahoma, originally cited by Yarrow.”

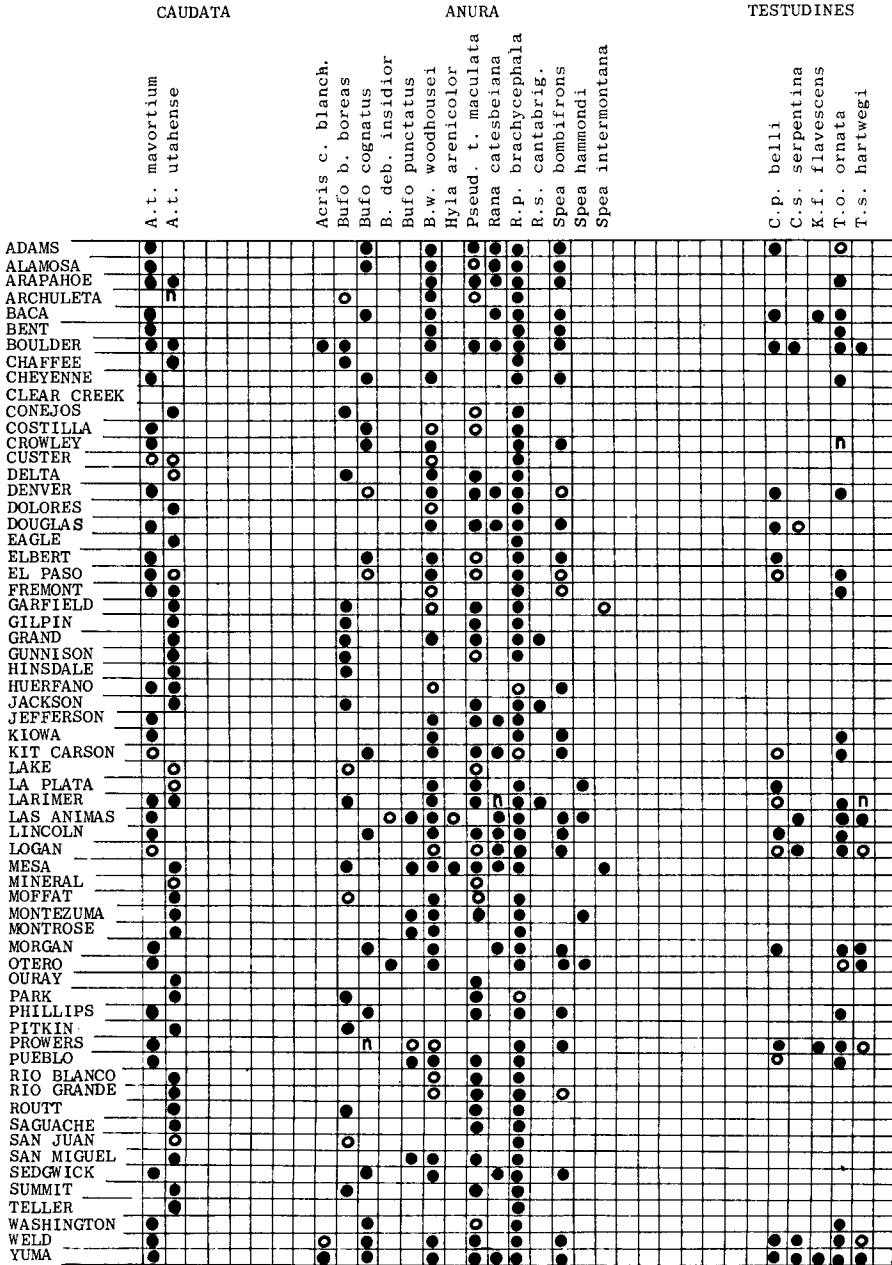


FIGURE 1. County distributional chart for amphibians and turtles of Colorado. Symbols: *solid dot*, UCM specimens from specific localities; *hollow circle*, specific localities on record but no UCM specimens; *c*, UCM specimens from no specific locality; *n*, no specific locality on record, and no UCM specimens.

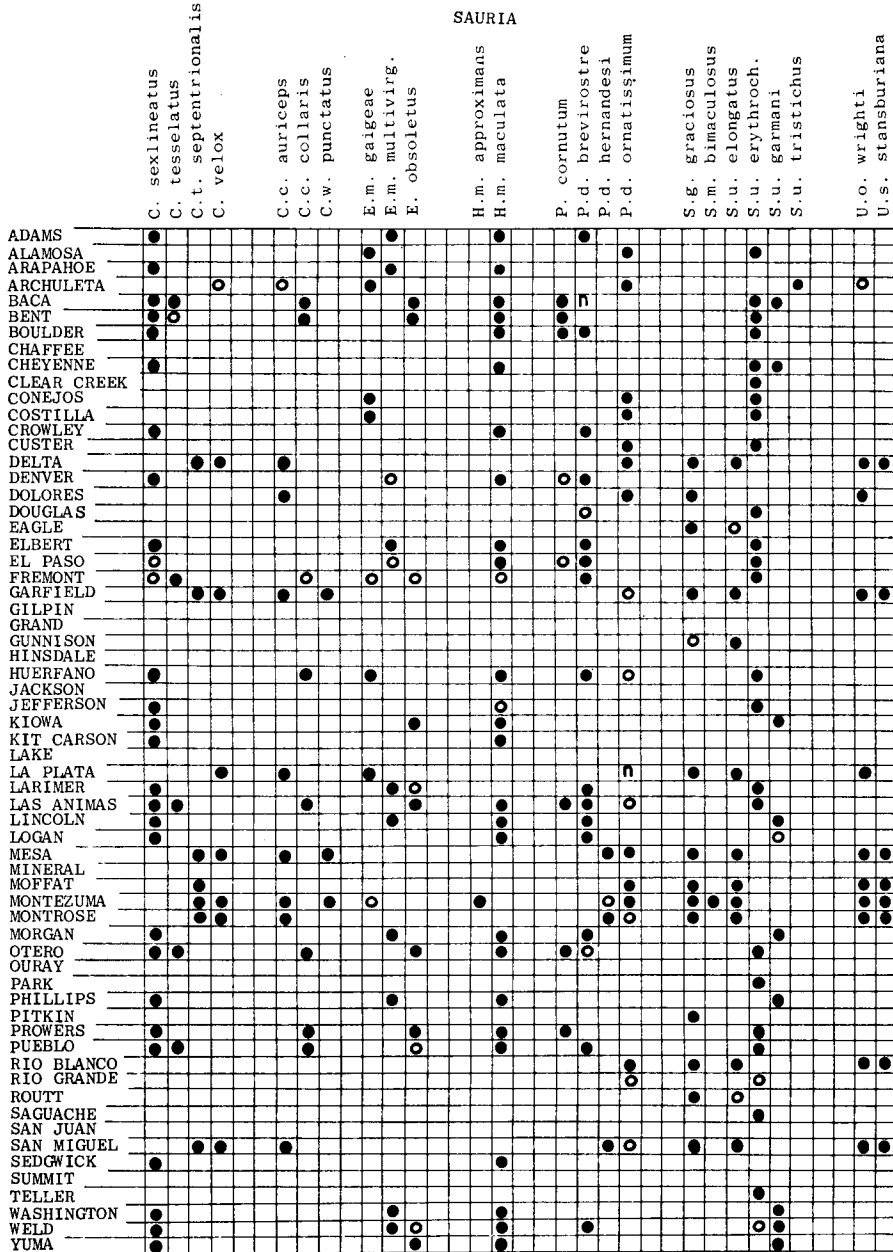


FIGURE 2. County distributional chart for lizards of Colorado. Symbols as for FIGURE 1.

SERPENTES

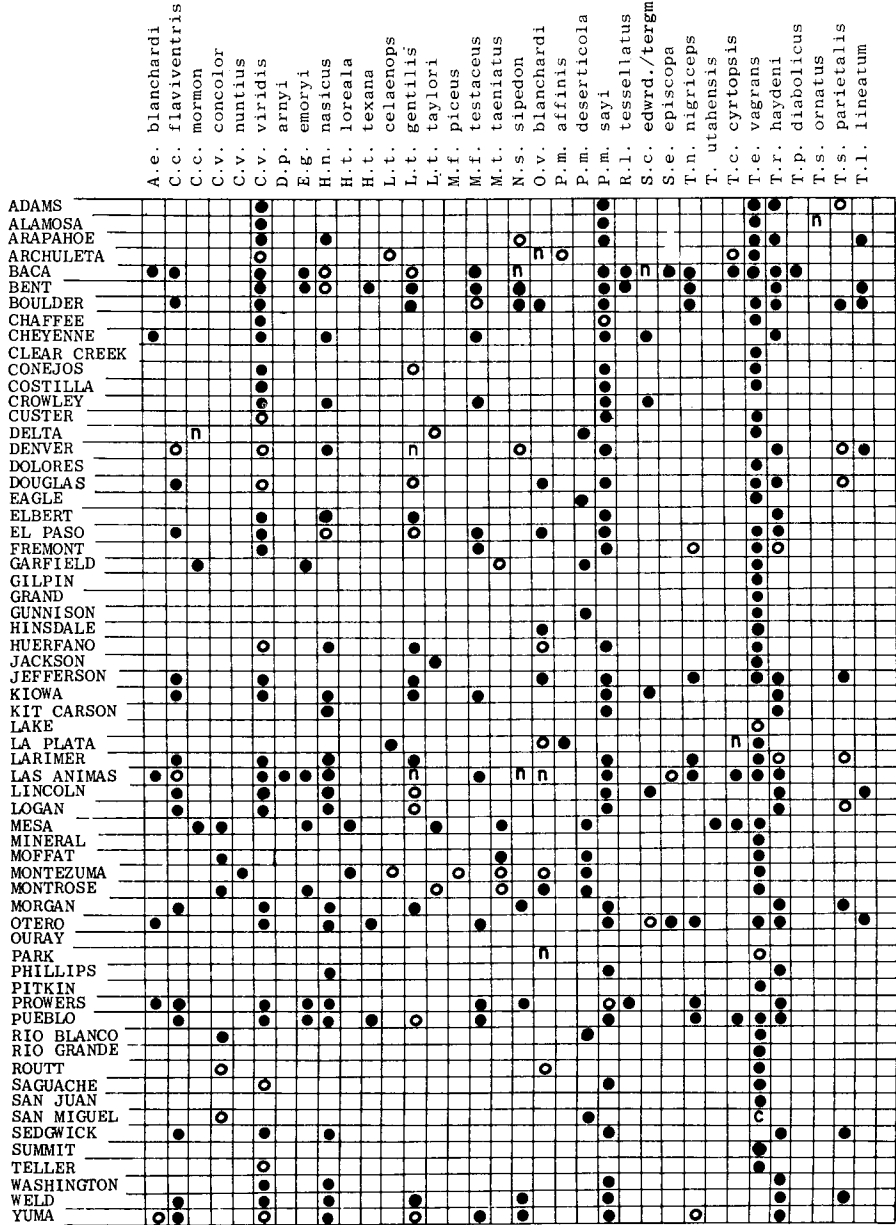
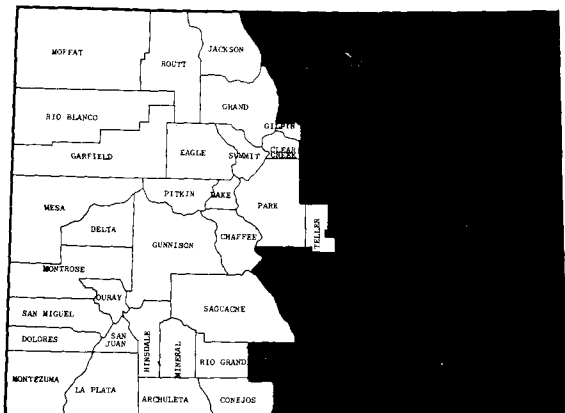


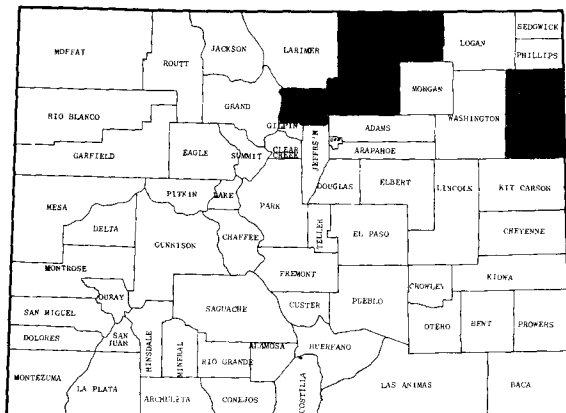
FIGURE 3. County distributional chart for snakes of Colorado. Symbols as for FIGURE 1.

CAUDATA

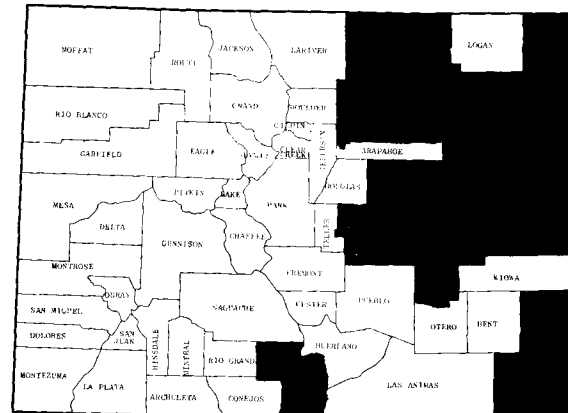


*Ambystoma tigrinum mavortium*

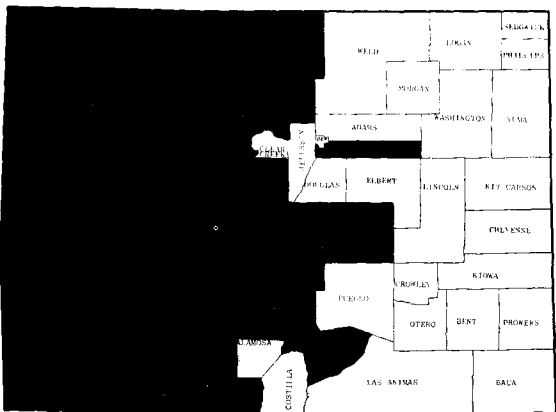
ANURA



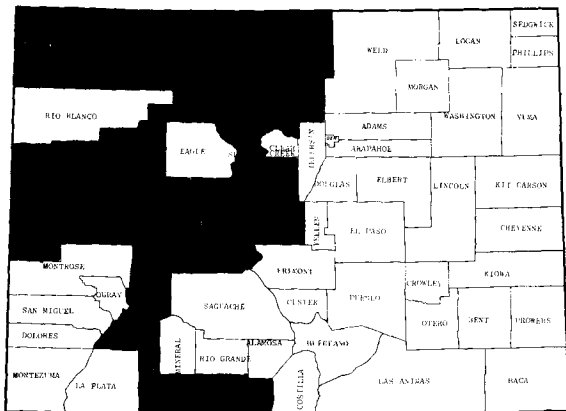
*Acris crepitans blanchardi*



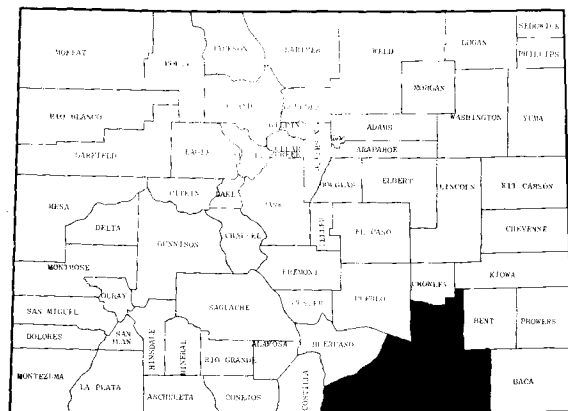
*Bufo cognatus*



*Ambystoma tigrinum utahense*

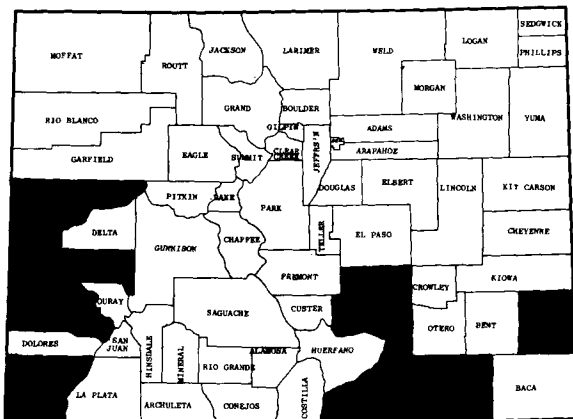


*Bufo boreas boreas*

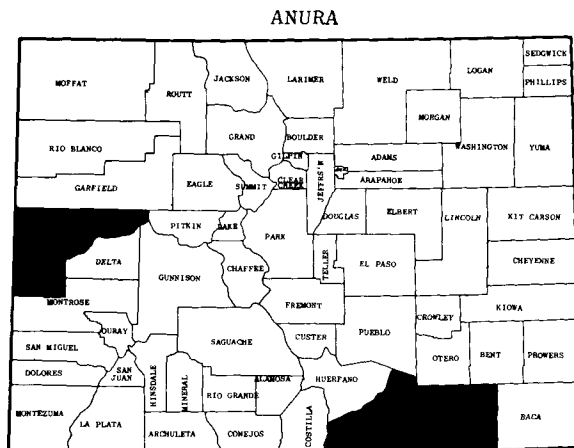


*Bufo debilis insidiosus*

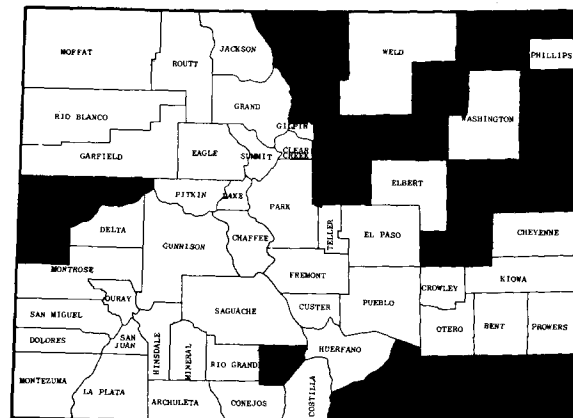
FIGURE 4. Counties (black) from which the caudate and indicated anuran taxa have been recorded.



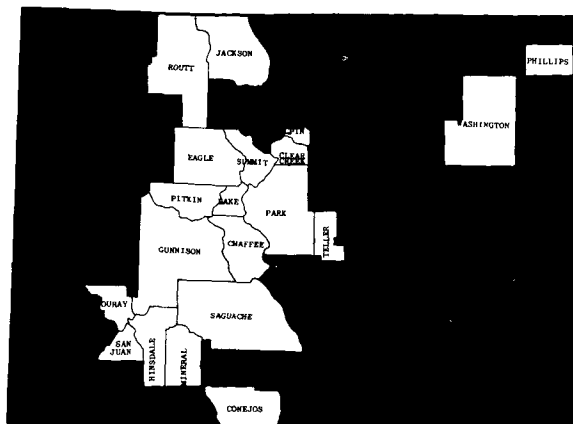
*Bufo punctatus*



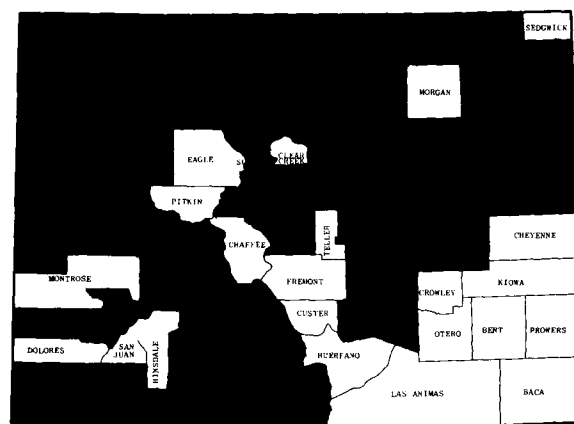
*Hyla arenicolor*



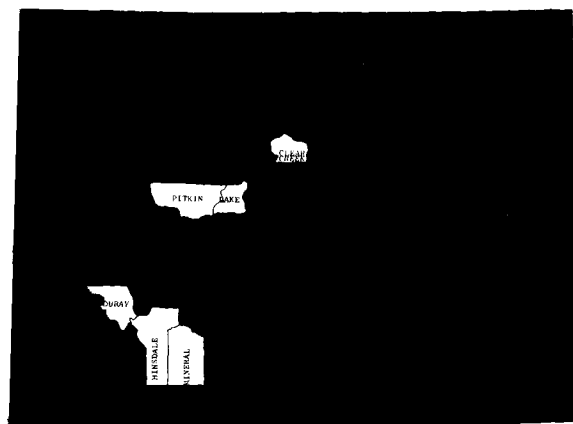
*Rana catesbeiana*



*Bufo woodhousei woodhousei*



*Pseudacris triseriata maculata*

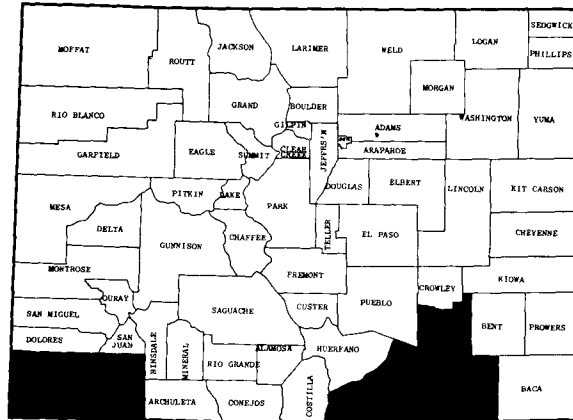
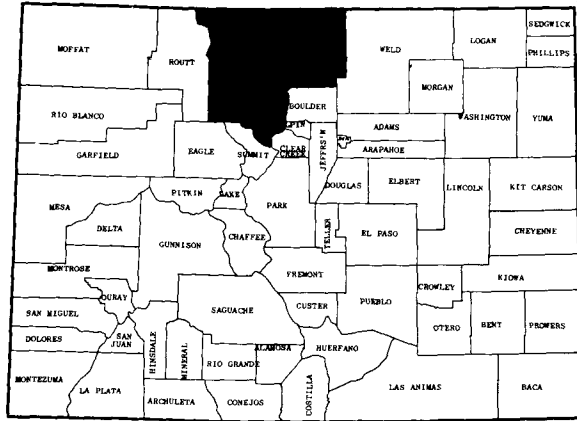


*Rana pipiens brachycephala*

FIGURE 5. Counties (black) from which the indicated anuran taxa have been recorded.

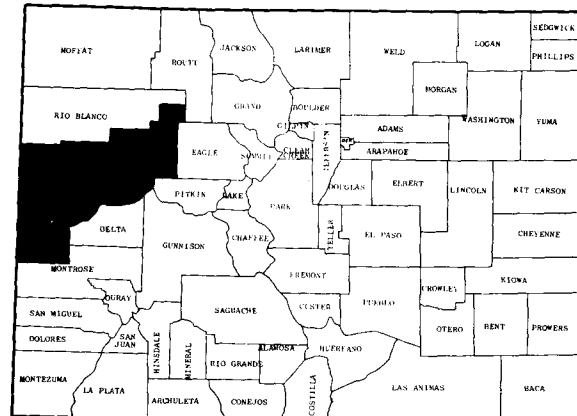
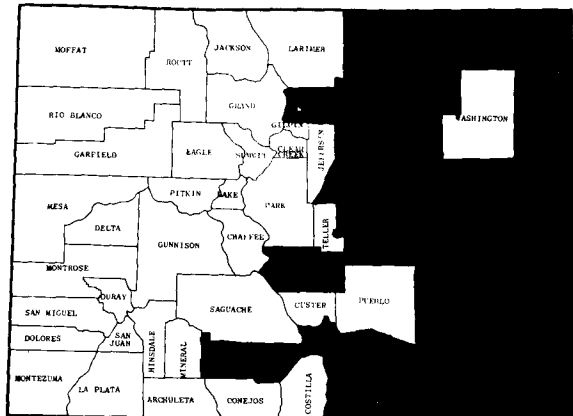


ANURA



*Rana sylvatica cantabrigensis*

*Spea hammondi*

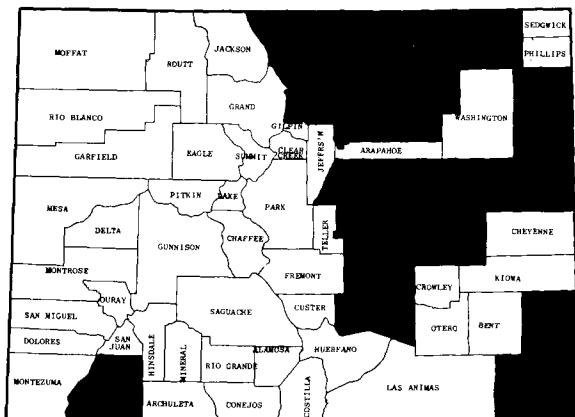


*Spea bombifrons*

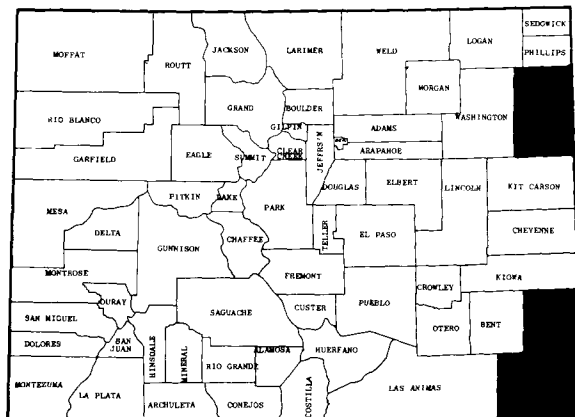
*Spea intermontana*

FIGURE 6. Counties (black) from which the indicated anuran taxa have been recorded.

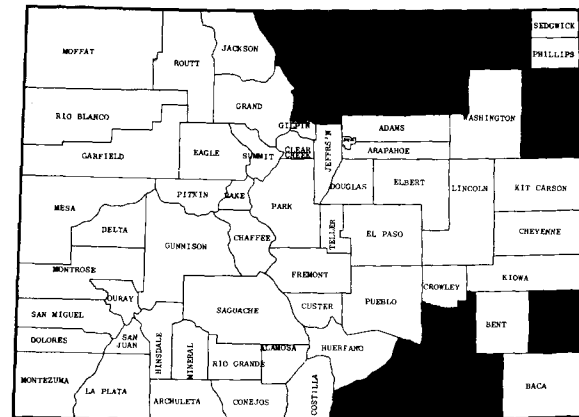
TESTUDINES



*Chrysemys picta belli*



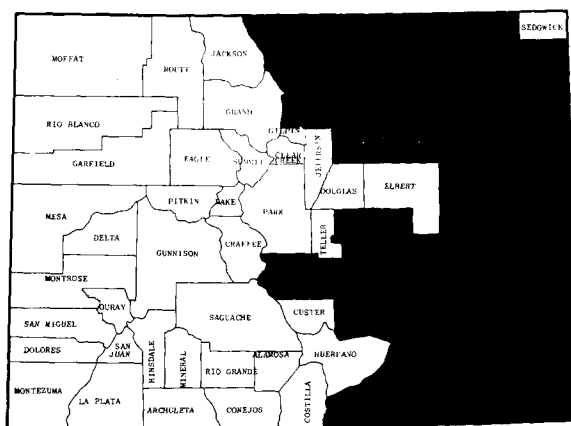
*Kinosternon flavescens flavescens*



*Trionyx spiniferus hartwegi*



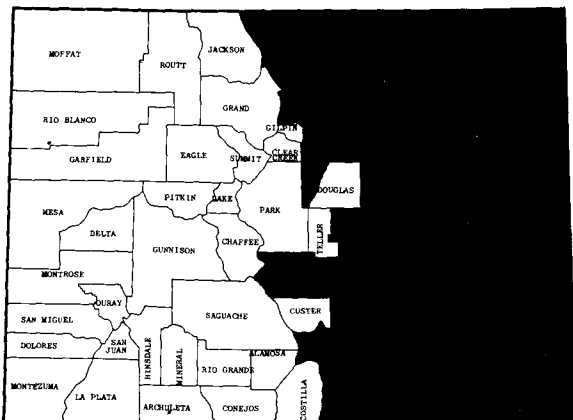
*Chelydra serpentina serpentina*



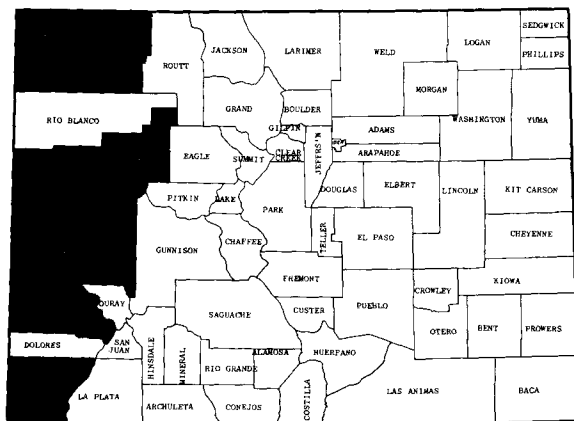
*Terrapene ornata ornata*

FIGURE 7. Counties (black) from which the indicated testudine taxa have been recorded.

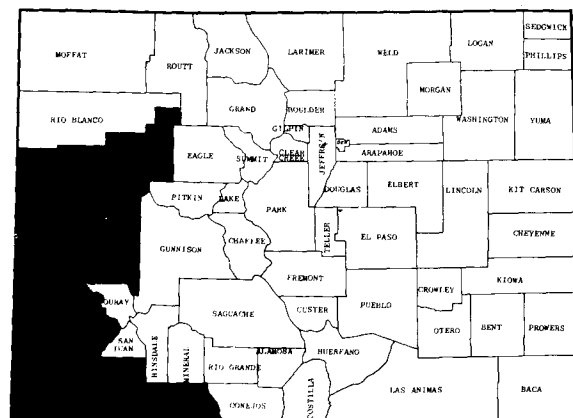
SAURIA



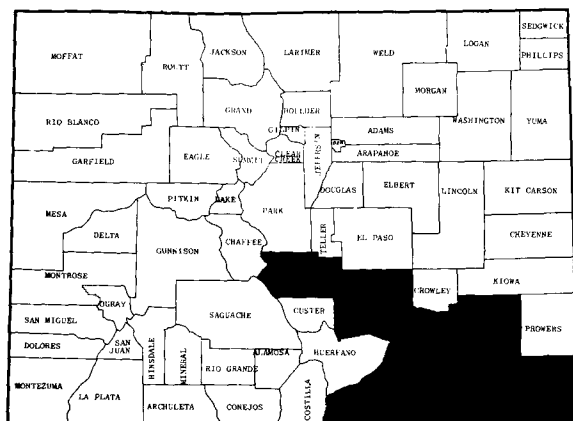
*Cnemidophorus sexlineatus*



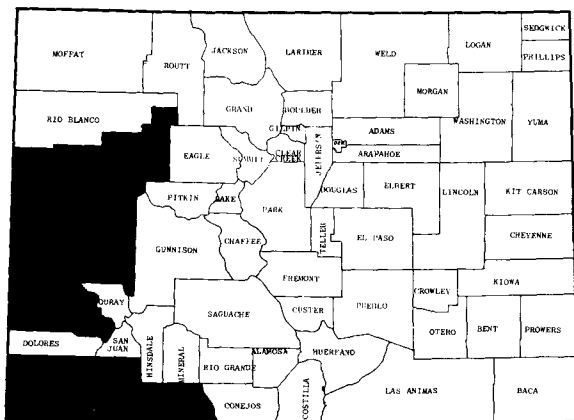
*Cnemidophorus tigris septentrionalis*



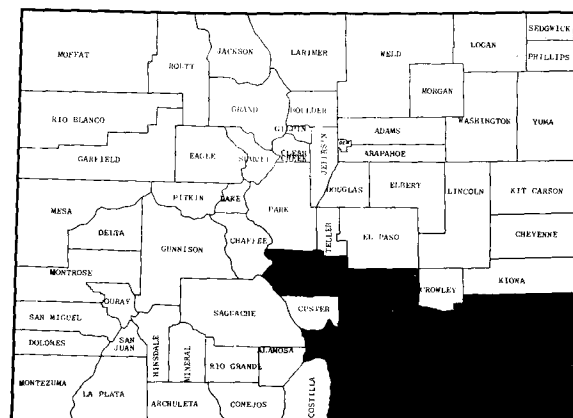
*Crotaphytus collaris auriceps*



*Cnemidophorus tessellatus*



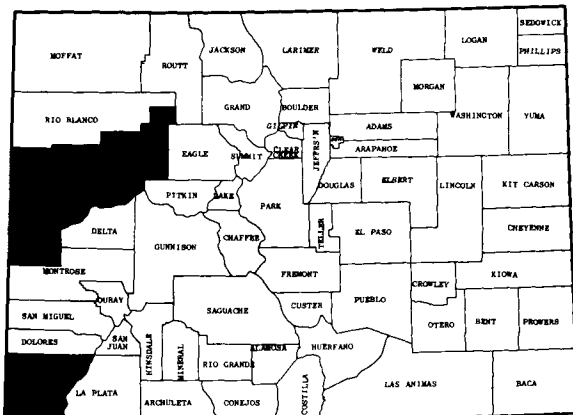
*Cnemidophorus velox*



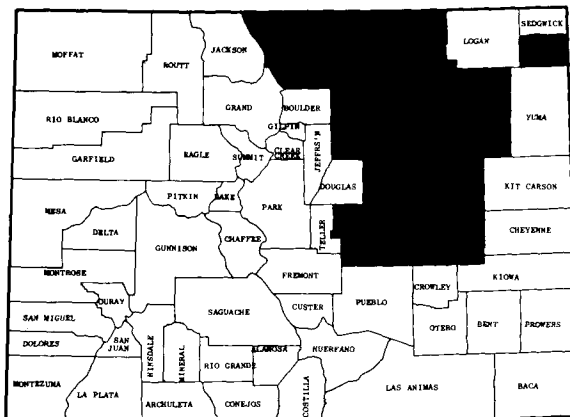
*Crotaphytus collaris collaris*

FIGURE 8. Counties (black) from which the indicated saurian taxa have been recorded.

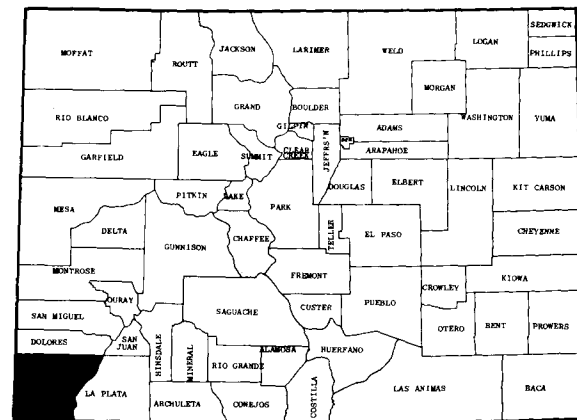
Sauria



*Crotophytus wislizeni punctatus*



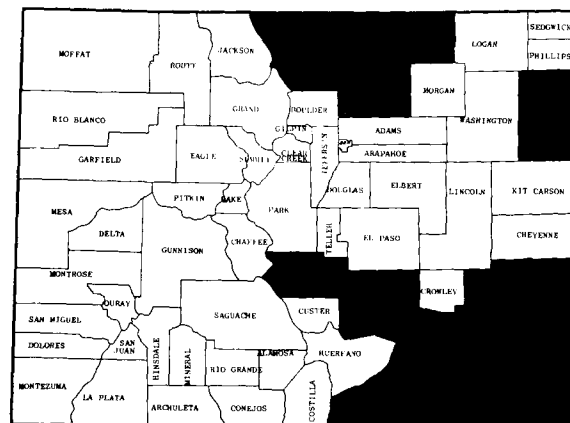
*Eumeces multivirgatus multivirgatus*



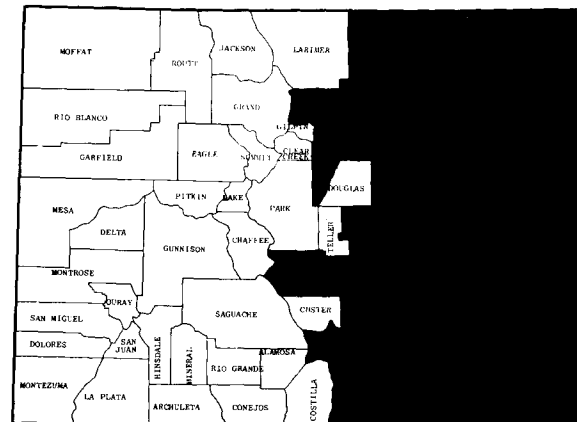
*Holbrookia maculata approximans*



*Eumeces multivirgatus gageae*



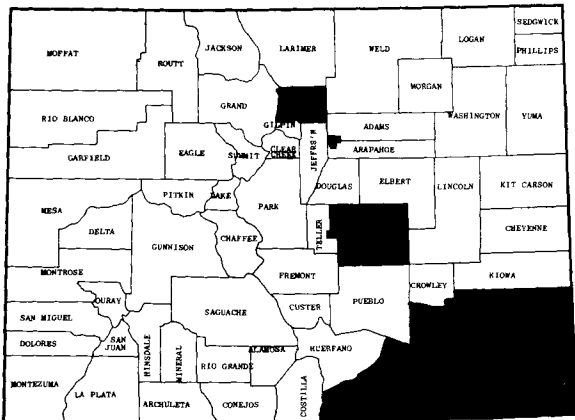
*Eumeces obsoletus*



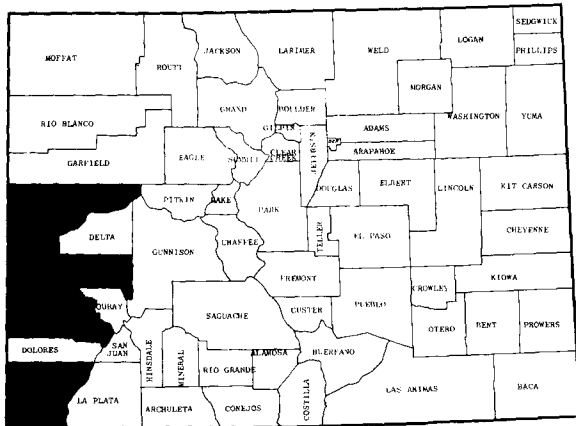
*Holbrookia maculata maculata*

FIGURE 9. Counties (black) from which the indicated saurian taxa have been recorded.

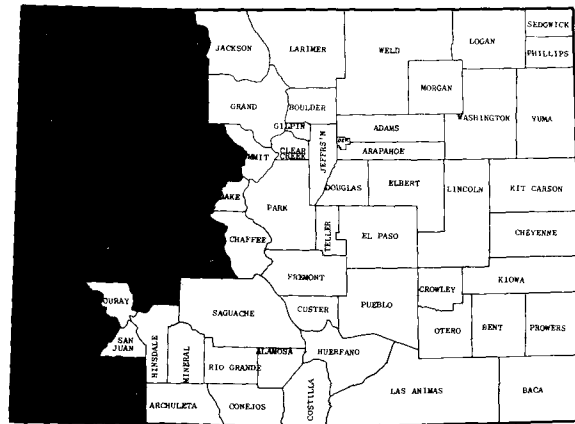
SAURIA



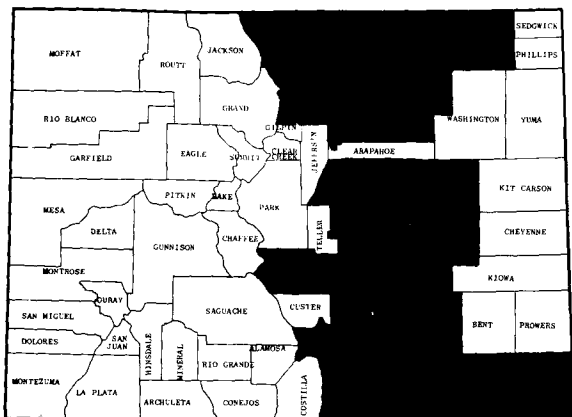
*Phrynosoma cornutum*



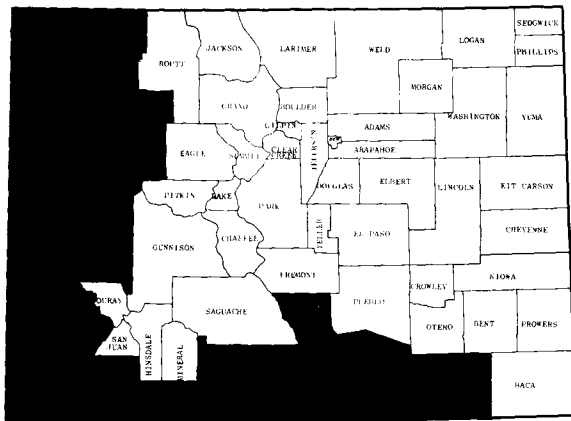
*Phrynosoma douglassi hernandesi*



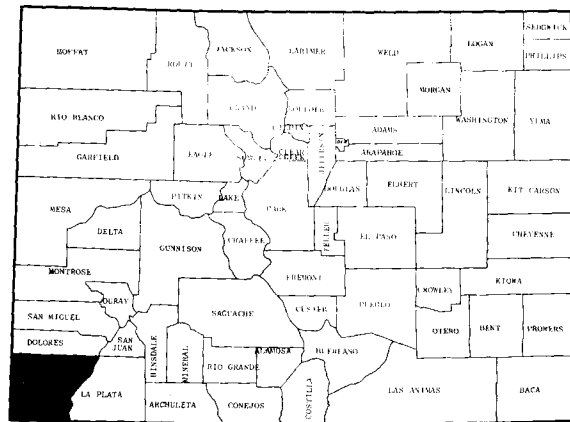
*Sceloporus graciosus graciosus*



*Phrynosoma douglassi brevirostre*



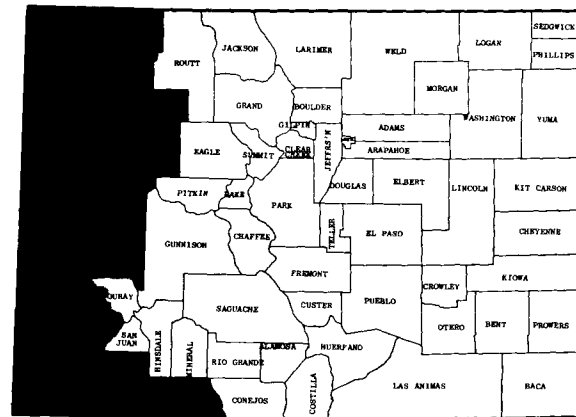
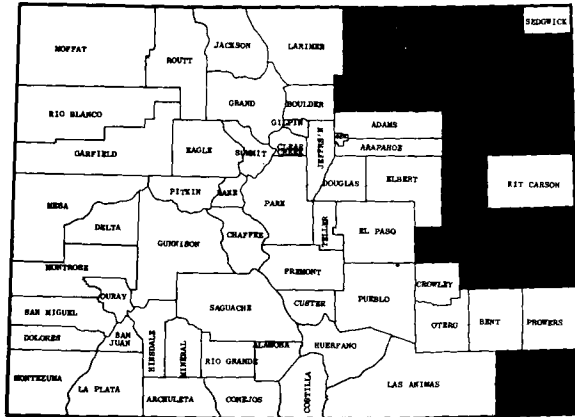
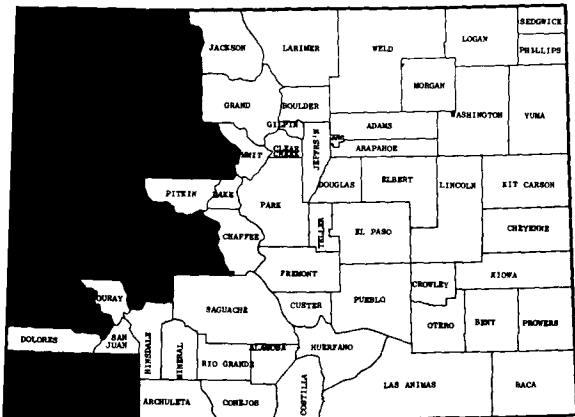
*Phrynosoma douglassi ornatissimum*



*Sceloporus magister bimaculosus*

FIGURE 10. Counties (black) from which the indicated saurian taxa have been recorded.

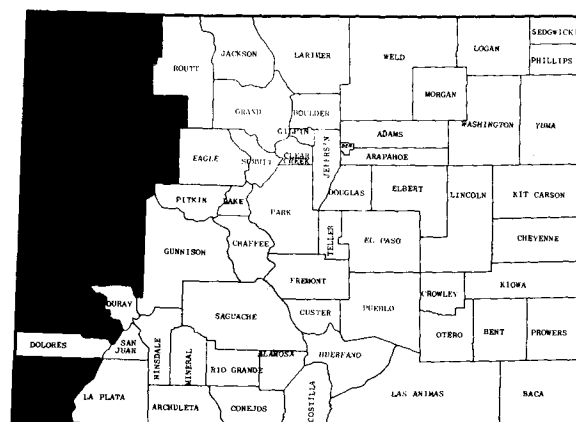
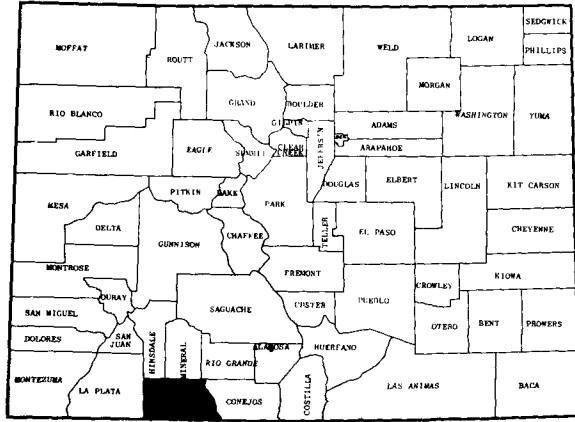
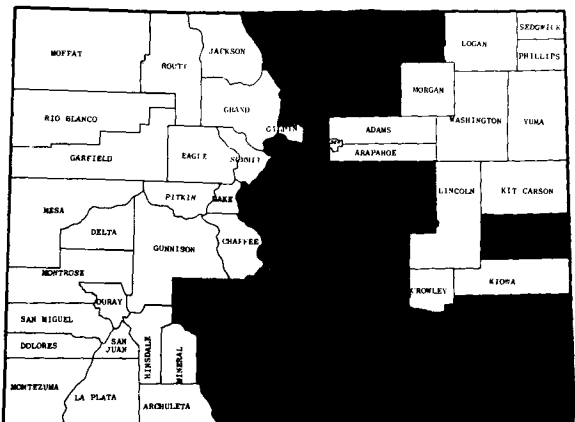
SAURIA



*Sceloporus undulatus elongatus*

*Sceloporus undulatus garmani*

*Urosaurus ornatus wrighti*



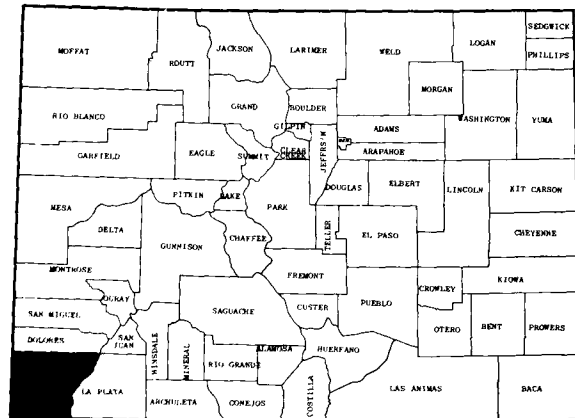
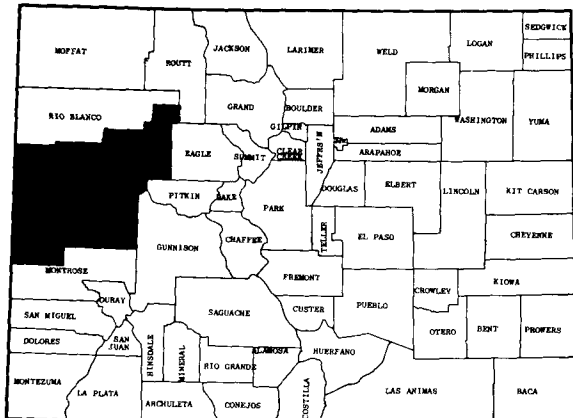
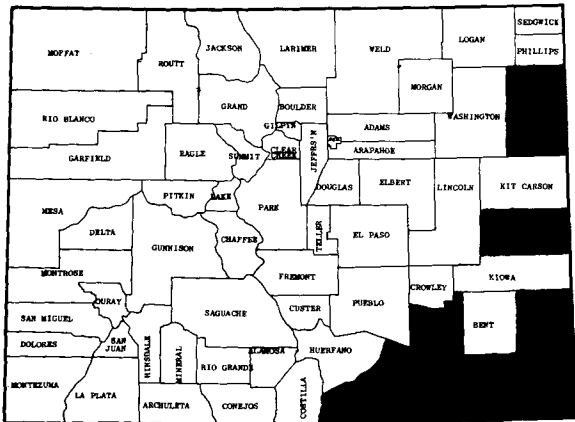
*Sceloporus undulatus erythrocheilus*

*Sceloporus undulatus tristichus*

*Uta stansburiana stansburiana*

FIGURE 11. Counties (black) from which the indicated saurian taxa have been recorded.

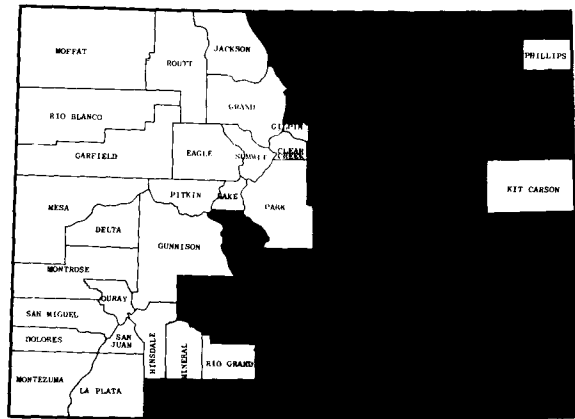
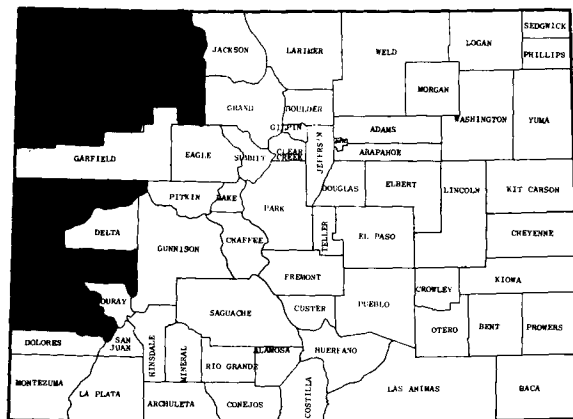
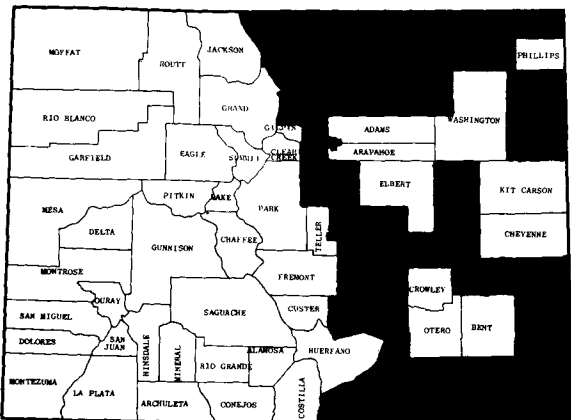
SERPENTES



*Arizona elegans blanchardi*

*Coluber constrictor mormon*

*Crotalus viridis nuntius*



*Coluber constrictor flaviventris*

*Crotalus viridis concolor*

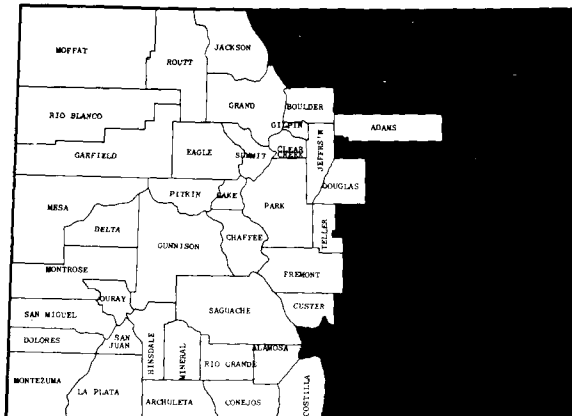
*Crotalus viridis viridis*

FIGURE 12. Counties (black) from which the indicated serpentine taxa have been recorded.

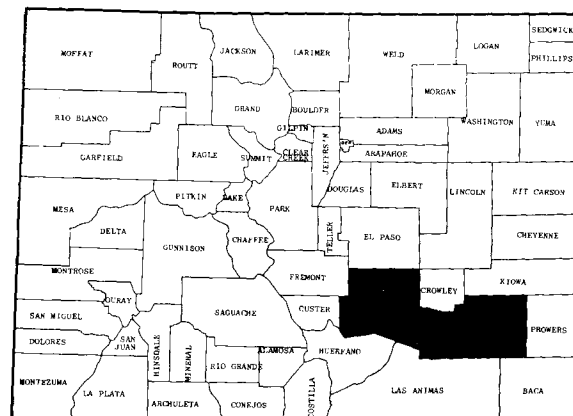
SERPENTES



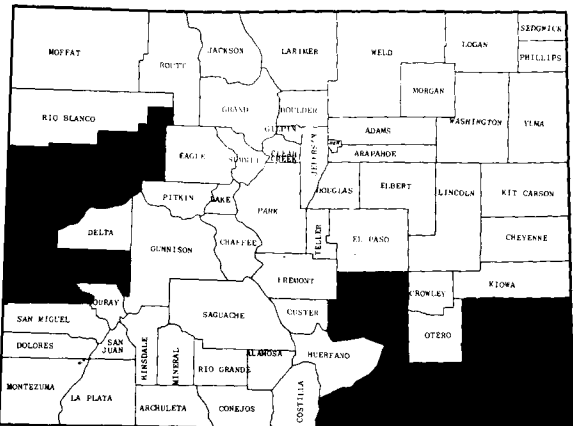
*Diadophis punctatus arnyi*



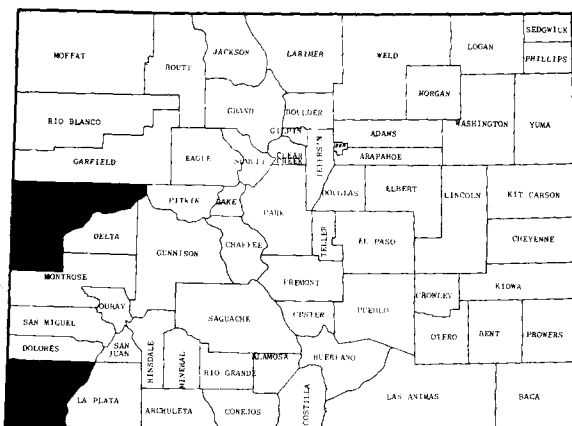
*Heterodon nasicus nasicus*



*Hypsiglena torquata texana*



*Elaphe guttata emoryi*



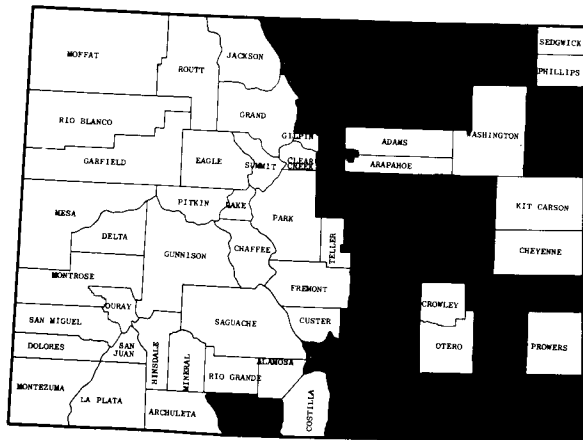
*Hypsiglena torquata loreala*



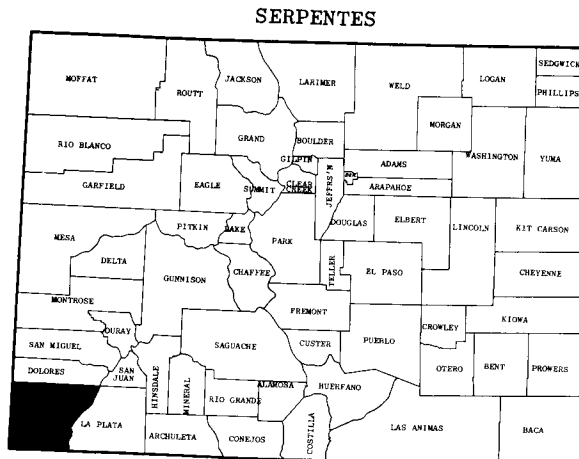
*Lampropeltis triangulum celaenops*

FIGURE 13. Counties (black) from which the indicated serpentine taxa have been recorded.

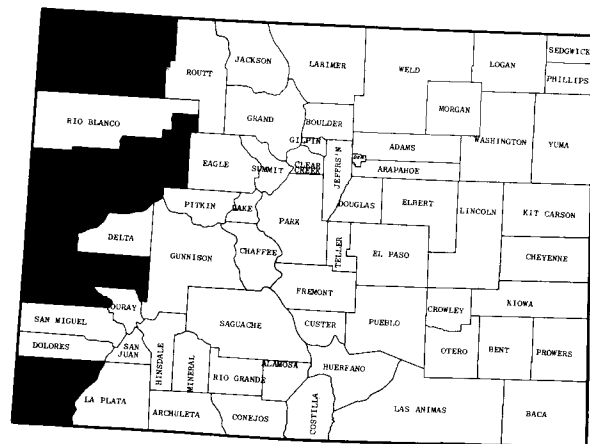




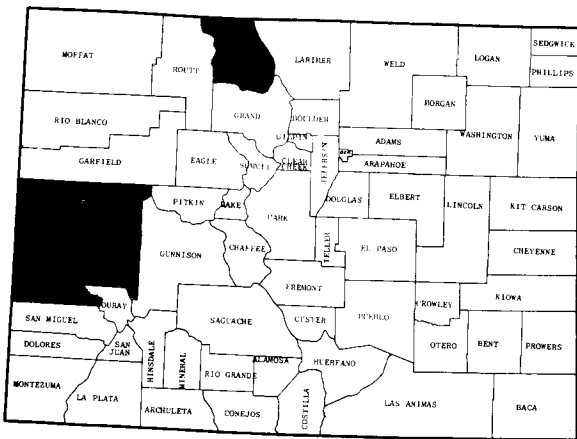
*Lampropeltis triangulum gentilis*



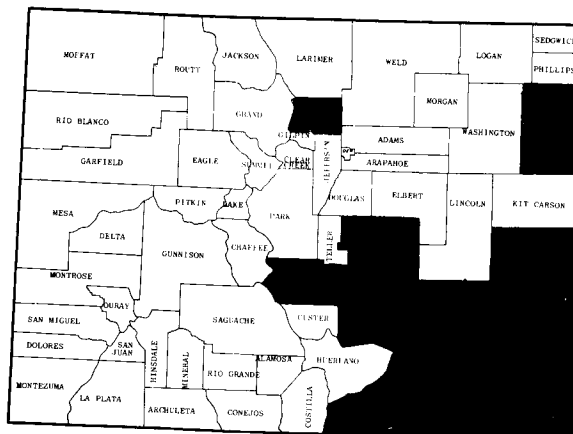
*Masticophis flagellum piceus*



*Masticophis taeniatus taeniatus*



*Lampropeltis triangulum taylori*

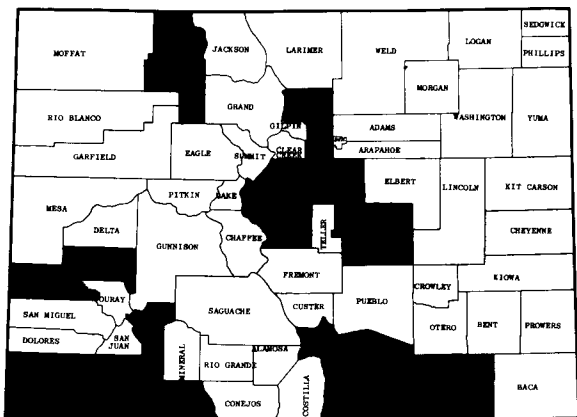


*Masticophis flagellum testaceus*

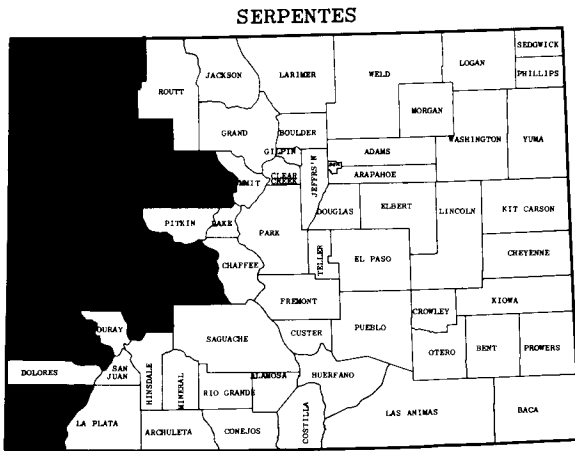


*Natrix sipedon sipedon*

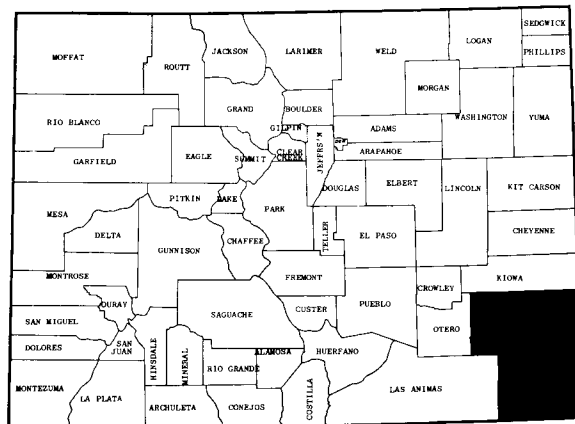
FIGURE 14. Counties (black) from which the indicated serpentine taxa have been recorded.



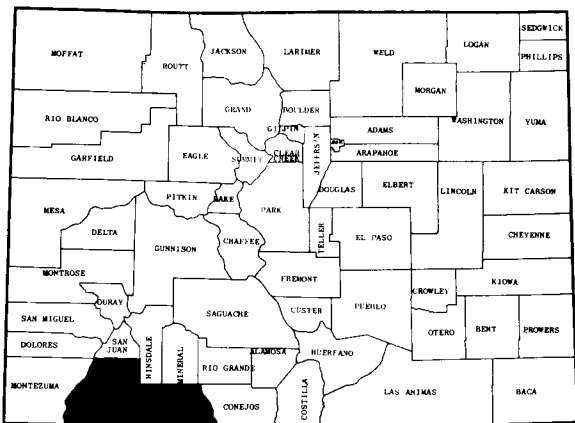
*Opheodrys vernalis blanchardi*



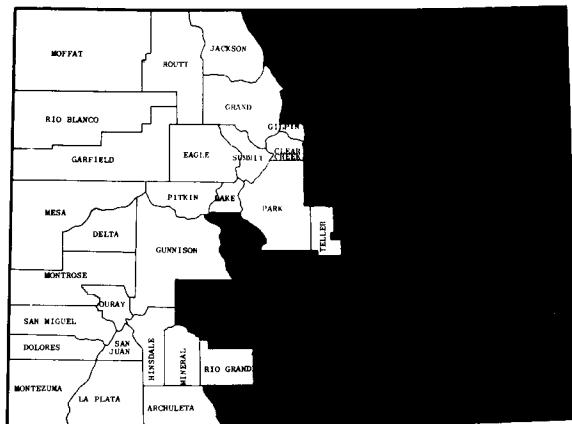
*Pituophis melanoleucus deserticola*



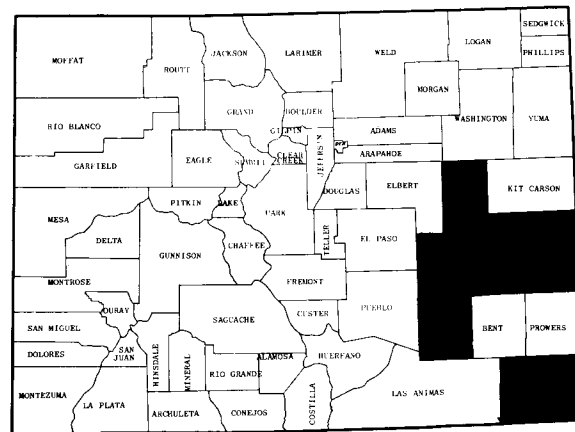
*Rhinocheilus lecontei tessellatus*



*Pituophis melanoleucus affinis*



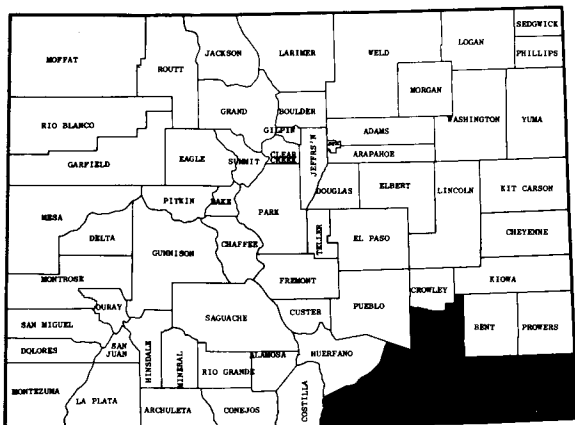
*Pituophis melanoleucus sayi*



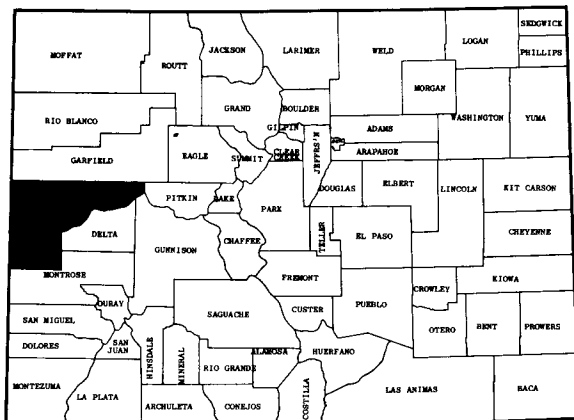
*Sistrurus catenatus edwardsi/tergeminus*

FIGURE 15. Counties (black) from which the indicated serpentine taxa have been recorded.

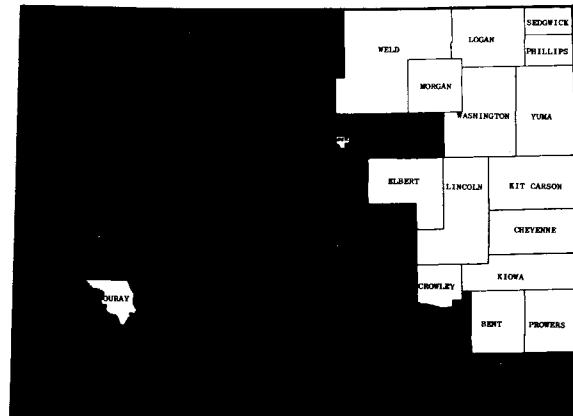
SERPENTES



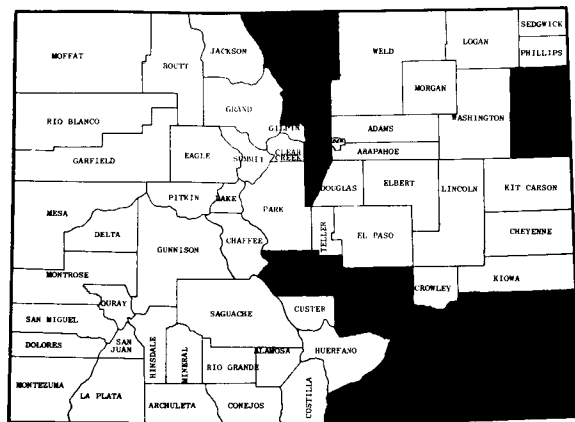
*Sonora episcopa episcopa*



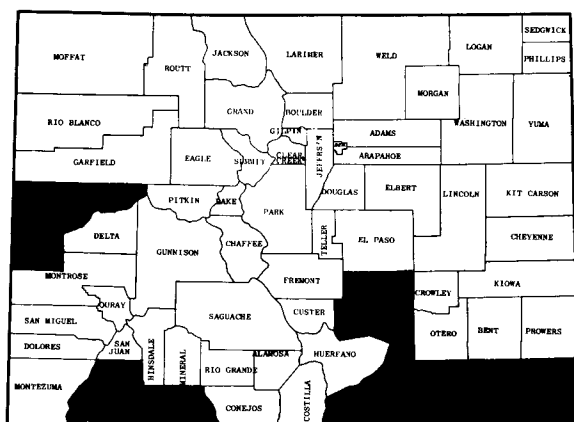
*Tantilla utahensis*



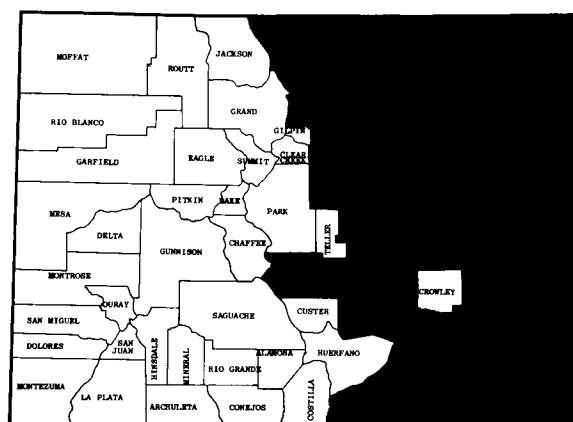
*Thamnophis elegans vagrans*



*Tantilla nigriceps nigriceps*



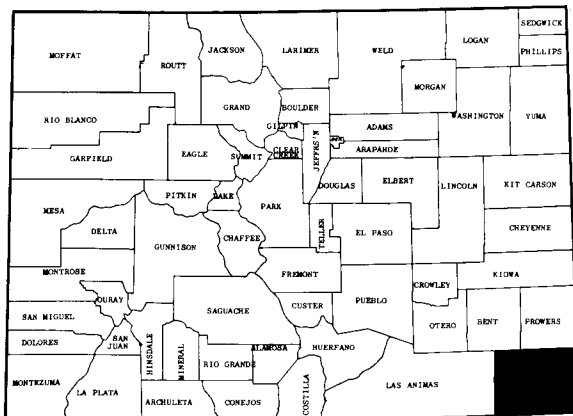
*Thamnophis cyrtopsis cyrtopsis*



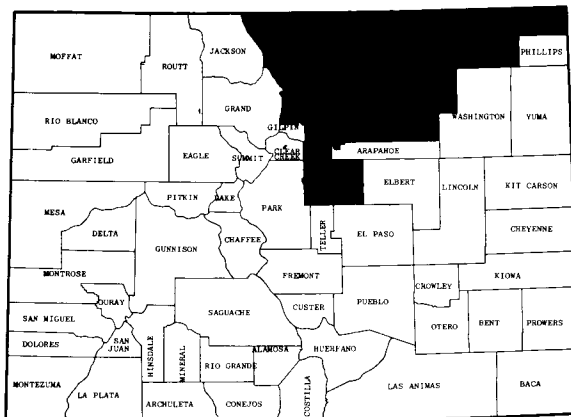
*Thamnophis radix haydeni*

FIGURE 16. Counties (black) from which the indicated serpentine taxa have been recorded.

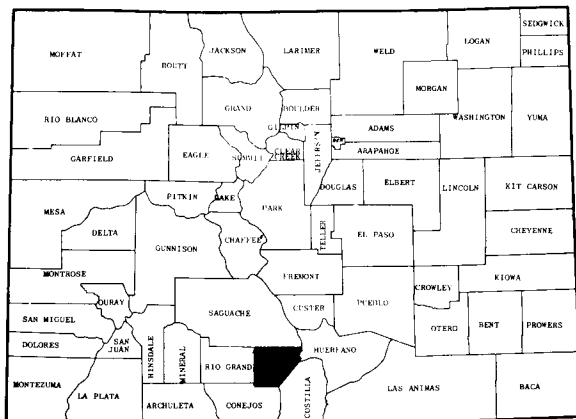
SERPENTES



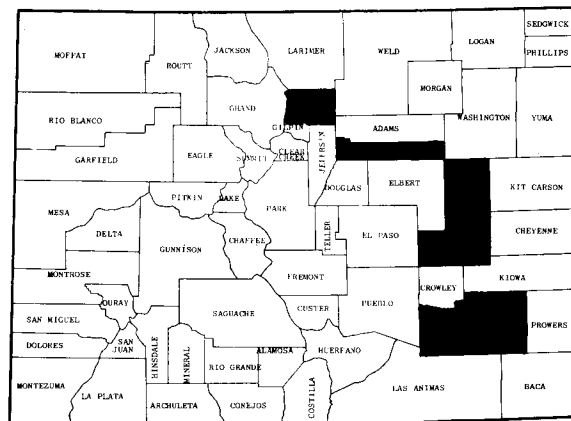
*Thamnophis proximus diabolicus*



*Thamnophis sirtalis parietalis*



*Thamnophis sirtalis ornatus*



*Tropidoclonion lineatum lineatum*

FIGURE 17. Counties (black) from which the indicated serpentine taxa have been recorded.

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