

A CHECK LIST OF RECENT
AMPHISBAENIANS
(AMPHISBAENIA, REPTILIA)

CARL GANS

BULLETIN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY
VOLUME 135 : ARTICLE 2 NEW YORK : 1967

A CHECK LIST OF RECENT
AMPHISBAENIANS
(AMPHISBAENIA, REPTILIA)

CARL GANS

*Research Associate, Department of Herpetology
The American Museum of Natural History
Professor of Biology
State University of New York at Buffalo*

BULLETIN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY
VOLUME 135 : ARTICLE 2
NEW YORK : 1967

BULLETIN OF THE AMERICAN MUSEUM OF NATURAL HISTORY

Volume 135, article 2, pages 61–106

Issued February 20, 1967

Price: \$1.50 a copy

INTRODUCTION

THE AMPHISBAENIA are an excellent demonstration of the futility of the classical, or typological, species concept. Parallelism and convergence, caused by the strong selective pressures on the cephalic scutellation, together with the limited number of external characteristics available to the taxonomist, have provided unusual opportunities for confusion. The difficulties are compounded by the extremely restricted ranges inhabited by many species, and by the seemingly disjunct distribution of more wide-ranging forms. The subterranean mode of life keeps these animals out of the way of the casual collector. In consequence they have been scarce in collections, and many species have been inadequately described, often on the basis of single specimens from vague localities.

No complete summary of the group has been attempted since Strauch's "Bemerkungen über die . . . Amphisbaeniden" (1881) and Boulenger's "Catalogue of the Lizards" (1885), though the number of species that have been recognized has tripled.¹ For Africa we have Loveridge's (1941) monograph, modified by FitzSimons (1943), Laurent (1947), and Witte (1954) on the basis of much additional material. Burt and Burt (1933) provided an uncritical check list for South America, bringing the catalogue by Boulenger up to date for that region. Their list was reviewed by Amaral (1937a, 1937c), who drastically changed the number of forms and placed many species in synonymy, often apparently by substituting "judgment" for specimens, and with singularly unhappy results (Vanzolini, 1948a, 1949, 1951a, 1955). Vanzolini, in a perceptive study (MS), reviewed the amphisbaenids on the generic level, relying most heavily on cranial characters. It is regrettable that his published summary (Vanzolini, 1951b) contains a number of decisions concerning genera of which he saw no material. Finally, there is Romer's (1957) "Osteology of the Reptiles" which

contains a remarkably useful section of generic synonyms.

The present check list forms an interim summary in a program of re-evaluation that may ultimately result in a monograph of the group. Emphasis has been placed on a complete listing of described forms and synonyms, rather than on a review of their generic status. In view of my continuing interest in the group, I shall appreciate comments and corrections.

GENERAL APPROACH

The review of the amphisbaenians of which this paper forms a part has been designed as a basis for additional studies of their systematics, morphology, physiology, and behavior. Extensive systematic work has been and is still required, because the classification of South American amphisbaenids, as of most of the reptiles from that continent, has been in a state of chaos. To give an example, I have found it necessary to change the identifications of more than half of the museum specimens of amphisbaenids thus far examined.

The analysis of a group the internal classification of which has not recently been re-examined logically requires a review of all the names within each unit. Such a review must be based on an examination of types rather than a learned discussion of original descriptions. The latter serves as a poor substitute and should be employed only in cases in which the types are absolutely unavailable or have been destroyed. I am happy that it has been possible either to visit the institutions where most of the amphisbaenid types have been kept or, through the courtesy and co-operation of many curators, to borrow and compare the types with other specimens in my laboratory.

The last century has seen an increase in the number of collections and a vast amplification of the number of specimens available from many regions. Materials adequate for at least a first-level characterization of many supposedly rare groups are already available. Yet they are scattered, both because of the diverse origins of the workers who have provided us with collections from tropical re-

¹ An unpublished manuscript in the United States National Museum collection suggests that Leonhard Stejneger started a review in 1914. This was initially designed as support for the land-bridge hypothesis and was apparently abandoned in the early 1920's.

gions, and because of the well-known desire of museums to have a representative example of each species for comparison. The scattering tends to give an underestimate of the quantity of materials actually available. Their reassembly during the course of these studies (obviously coupled with additional collecting) has permitted me to characterize many forms on the basis of sizable samples, forms that had supposedly been known only from unique specimens.

The kind of review here outlined does require considerable resources in terms of time, of library materials, and of facility to ship and borrow specimens. Institutions situated within the ranges of these animals encounter particular difficulties in this respect, yet many of the present problems, and, more important, many of those pointed out by first-level studies such as this one, are most easily and hence most logically tackled by workers in such institutions. It is then necessary to summarize and publish the results of the primary review in a format designed to permit its reconsideration with a minimum of effort. It is particularly necessary to present the results in a format that allows the next worker to identify those specimens (and references) the re-examination of which would yield the obvious test of new hypotheses, and to keep him from reassembling materials that do not pertain to the issue.

For these reasons I have published a detailed review of the literature as well as locality data, museum numbers, and descriptive values of the majority of specimens examined throughout these studies. Other students may thus recombine these data with those obtained from freshly collected materials and avoid borrowing more than a small fraction of the specimens seen by me. The publication of tables of raw data (or their deposition with the American Documentation Institute) should also permit other workers to verify my counting methods on the basis of only a few of the many specimens seen, a check that is impossible when only means, ranges, and other statistical parameters are presented. The publication of raw data finally permits a check of the accuracy of counts, particularly on specimens that may not fit a newly formed scheme.

METHOD

The format adopted in this check list represents an effort to effect maximum communication of the results of my search of literature and collections. Additionally, it furnishes an example of a different kind of check list, designed more to summarize the present state of our knowledge of the group and to indicate areas of certainty and of uncertainty, than to present a platform for personal views. Implicit is my conviction that a check list should provide (1) a listing of the forms currently recognized, (2) a statement regarding the assignment of all names based on material of the particular group, and (3) enough information so that the user may form a concept of the form to which the name applies. Particular attention has thus been paid to the citation of the most recent paper or papers that clarify or comment on the status of a species. Divergent opinions are generally mentioned, unless one of the papers cited presents a review thereof. The worker who desires information on a common form then need not rely on only the first and necessarily the least complete reference.

The main citations are offered essentially "without judgment." They represent the published opinions of authors, and the authority is always indicated. Decisions on the specific level, made during the process of compilation, have been published elsewhere and cited here. Other problems, particularly a reconsideration of the generic status of many forms, are under investigation or in process of publication as this list goes to press.

I have permitted myself the prerogative of stating my opinions under Discussion of Form or in footnotes when as yet unpublished information seemed to justify doing so.

STYLE

The check list is restricted to recent forms. For each species and subspecies, the original citation and all primary synonyms, but no new combinations, are listed. *Terra typica*, restriction and source, if any, and present location of typical material are shown for each name (no particular effort has been made to check for present paratype locations when the holotype was extant). Under the

side heading Discussion of Form, reference is made to the most recent adequate discussions, preferably those giving references to the earlier literature. Also cited is the paper used as the authority for the inclusion of the particular form, and occasionally other papers that may help clarify the species concept. The species range is listed and occasionally modified to include supplementary locality records (source in parentheses).

For each genus is given the original citation of the name, as well as a list of all synonyms, in each case with the type species and its method of designation. The authority for the generic assignment and available references to the last discussions of the group are listed thereafter. All forms are cited in alphabetical order under the next higher category. In the case of subspecies, the nominate race is listed first.

I have desisted from the temptation of including keys at this time. Vanzolini (1951b) provided a key to the genera, and keys to several infrageneric sections can be found in the papers cited. Groups for which no keys are now available are generally in need of revision. An attempt to make artificial keys for them would be futile, since keys that have been prepared entirely from the literature are quite worthless in the Amphisbaenia, as in most poorly known groups.

HIGHER CATEGORIES

Of the more recent revisers of the group, Vanzolini (MS) follows Boulenger (1885) in retaining the amphisbaenians as a single family, but recognizes three subfamilies for the recent genera (Amphisbaeninae, Rhinurinae, Trogonophinae). Taylor (1951) differed and divided the recent forms into three families (Bipedidae, Amphisbaenidae, Trogonophidae), whereas Hoffstetter (1955) recognized Vanzolini's categories, raising one of them to the status of a separate family.

There are definite objections to each of these positions. However, I have thus far reviewed and confirmed only the separation of the trogonophids as a distinct family (Gans, 1960; Gans and Lynn, 1965). I here list the genera alphabetically under the two family headings but omit the subfamilial divisions.

The placement of the amphisbaenians within the Reptilia has been the subject of considerable comment. I here choose to treat them as an order, equivalent to the Sauria and the Serpentes, and with them forming the superorder Squamata.

LOCATION OF THE TYPES

Considerable effort was devoted to a check of the present whereabouts and condition of the typical material. I am able to indicate the institution and specimen number for the great majority. The information generally comes from personal examination of specimens, though letters from the curators of the institutions involved have occasionally been substituted. In a few cases the types are known to have been destroyed. A lectotype has occasionally been selected. Such action follows the Code (Stoll and others, 1961) and is based on considerations of location, preservation, and prior illustrations of the specimen or specimens.

The abbreviations for collections in which typical materials are deposited follow. I am indeed grateful for the assistance and hospitality granted by the professional staff of many institutions, particularly to those persons who facilitated the protracted loan of much rare material.

- A.M.N.H., the American Museum of Natural History, New York (C. M. Bogert and R. G. Zweifel)
- A.N.S.P., Academy of Natural Sciences of Philadelphia, Pennsylvania (J. Boehlke and E. Malnate)
- A.S.F.S., Albert Schwartz field series, Miami, Florida
- B.M., British Museum (Natural History), London, England (J. C. Battersby and A. G. C. Grandison)
- C.A.S., the California Academy of Sciences, San Francisco, California (A. E. Leviton)
- C.G., Carl Gans collection, Buffalo, New York
- C.M., Carnegie Museum, Pittsburgh, Pennsylvania (N. D. Richmond)
- C.N.H.M., Field Museum of Natural History (formerly Chicago Natural History Museum), Chicago, Illinois (R. F. Inger and H. Marx)
- D.Z., Departamento de Zoologia, Secretaria da Agricultura, São Paulo, São Paulo, Brazil (A. S. Rand and P. E. Vanzolini). [This collection now includes all lizards formerly in the Instituto Butantan of São Paulo]

- G.U.M., Zoologisches Institut und Museum der Universität, Göttingen, Germany (P. Kuenzer)
- G.Z.R., Museo di Zoologia del'Giardino Zoologico, Rome, Italy (G. Tamino)
- H.M., Zoologisches Museum, Hamburg, Germany (all pre-World War II types destroyed) (W. Ladiges)
- I.M.Z.U.T., Istituto e Museo di Zoologia della Università di Torino, Italy (L. Pardi and L. Rossi)
- I.R.Sc.N.B., Institut Royal des Sciences Naturelles de Belgique, Brussels, Belgium (G. F. de Witte and A. Capart)
- K.M., Universitetets Zoologiske Museum, Copenhagen, Denmark (F. W. Braestrup)
- K.U., University of Kansas Museum of Natural History, Lawrence, Kansas (W. Duellman)
- L.C.F.M., Musée de La-Chaux-de-Fond, Switzerland
- M.A.C.N., Museo Argentino de Ciencias Naturales "Bernardino Rivadavia," Buenos Aires, Argentina (J. Cranwell and J. M. Gallardo)
- M.B.U.C.V., Museo de Biología, Universidad Central de Venezuela, Caracas, Venezuela (J. A. Roze)
- M.C.N.C., Museo de Ciencias Naturales, Caracas, Venezuela
- M.C.Z., Museum of Comparative Zoology, Cambridge, Massachusetts (E. E. Williams)
- M.G., Museum de Genève, Switzerland (V. Aellen)
- M.H.N.P., Muséum National d'Histoire Naturelle, Paris, France (J. Guibé)
- M.L.U., Martin-Luther-Universität, Halle-Wittenberg, Germany (R. Piechocki)
- M.N., Museo Nacional, Rio de Janeiro, Guanabara, Brazil (A. L. de Carvalho)
- M.N.H.M., Museo de Historia Natural de Montevideo, Uruguay (M. A. Klappenbach and B. Orejas-Miranda)
- M.S.N.G., Museo Civico di Storia Naturale "Giacomo Doria," Genoa, Italy (E. Tortonese and L. O. Capocaccia)
- M.S.N.M., Museo Civico di Storia Naturale, Milan, Italy (M. Torchio)
- M.Z.U.F., Museo Zoologico dell'Università di Firenze, Italy (B. Lanza)
- N.M., Natal Museum, Durban, Natal, South Africa
- N.M.B., Naturhistorisches Museum, Basel, Switzerland (L. Forcart)
- N.M.W., Naturhistorisches Museum zu Wien, Vienna, Austria (J. Eiselt)
- P.M.Y., Peabody Museum, Yale University, New Haven, Connecticut (P. Humphreys and C. Reed)
- R.G.M.C., Musée de l'Afrique Centrale, Tervuren, Belgium (M. Poll)
- R.M.N.H., Rijksmuseum voor Natuurlijke Historie, Leiden, The Netherlands (M. Boeseman)
- R.T., Richard Thomas private collection, Miami, Florida
- S.A.M., South African Museum, Cape Town, Union of South Africa (C. Gow)
- S.M.F., Senckenbergische naturforschende Gesellschaft, Frankfurt-am-Main, Germany (K. Klemmer)
- S.M.N.S., Staatliches Museum für Naturkunde, Stuttgart, Germany (H. Wermuth)
- S.U., Stanford University Systematic Collections, Stanford, California (G. S. Myers)
- T.M., Transvaal Museum, Pretoria, Transvaal (V. FitzSimons)
- U.I.M.N.H., University of Illinois, Museum of Natural History, Urbana, Illinois (H. M. Smith)
- U.P.R.R.P., University of Puerto Rico at Rio Piedras, Puerto Rico (H. Heatwole)
- U.S.N.M., United States National Museum of the Smithsonian Institution, Washington, D. C. (D. M. Cochran and J. A. Peters)
- Z.I.L., Zoological Institute, U.S.S.R. Academy of Sciences, Leningrad, U.S.S.R. (Ilja S. Darevski)
- Z.M.U., Zoologisches Museum der Universität, Berlin, Germany (H. Wermuth and G. Peters)
- Z.S.M., Zoologische Sammlung des Bayerischen Staates, Munich, Germany (W. Hellmich)
- Z.V.C.R., Departamento de Zoología Vertebrados, Facultad de Humanidades y Ciencias, Universidad de Montevideo, Uruguay (R. Vaz-Ferreira)

Special thanks are also due to the late Mr. A. Townsend and the staff of the library of the British Museum (Natural History) for extraordinary assistance with bibliographic citations, and to Mrs. Gloria Griffin and to my wife who typed the multiple drafts of this and the earlier papers in this series. It is a pleasure to acknowledge that this series of studies received support from National Science Foundation Grants NSF G-9054, G-21819, and GB-2460.

CHECK LIST

TROGONOPHIDAE

GENUS AGAMODON W. C. H. PETERS

Agamodon W. C. H. PETERS, 1882, p. 580. Type species: *Agamodon anguliceps*, by monotypy.

See discussion in Gans (1960, p. 179) and Gans and Pandit (1965, p. 74).

Agamodon anguliceps anguliceps W. C. H. Peters

Agamodon anguliceps W. C. H. PETERS, 1882, p. 580. *Terra typica*: "Barava (Africa orientalis)" = Brava, Somali Republic. Syntypes: Z.M.U. Nos. 10189, 10190.

DISCUSSION OF FORM: Gans (1960, p. 179) and Gans and Pandit (1965, p. 82).

RANGE: South-central coast of Somali Republic, eastern Ethiopia(?).

Agamodon anguliceps immaculatus Calabresi

Agamodon anguliceps immaculatus CALABRESI, 1927, p. 27. *Terra typica*: "Afghedud," Somali Republic. Holotype: M.Z.U.F. No. M-4852-C4052.

DISCUSSION OF FORM: Gans and Pandit (1965, p. 85).

RANGE: Known from the type only.

Agamodon arabicus Anderson

Agamodon arabicus ANDERSON, 1901, p. 140. *Terra typica*: "Al Khaur, Arabia" in Abian County, Yemen. Holotype: B.M. No. 99.12.13.-52:RR1946.9.1.3.

DISCUSSION OF FORM: Gans (1960, p. 179).

RANGE: Known from the type only.

Agamodon compressus Mocquard

Agamodon compressus MOCQUARD, 1888, p. 133. *Terra typica*: "Çomalis" = Somali Republic. Holotype: M.H.N.P. No. 84-690.

DISCUSSION OF FORM: Gans (1960, p. 179) and Gans and Pandit (1965, p. 78).

RANGE: Central coastal Somali Republic.

GENUS DIPLOMETOPON NIKOLSKI

Diplometopon NIKOLSKI, 1907, p. 276. Type species: *Diplometopon zarudnyi*, by monotypy.

See discussion in Gans (1960, p. 178).

Diplometopon zarudnyi Nikolski

Diplometopon zarudnyi NIKOLSKI, 1907, p. 277. *Terra typica*: "Nasrie in Arabistano, . . . in Persia

australo-occidentali" = Nasrie in southwestern Iran on the Karun River. Holotype: Z.I.L. No. 10341.

Pachycalamus zarudnyi BOULENGER, 1920, p. 352. Emendation: Collector's name spelled "Zaroudny" in title of Nikolski's paper.

DISCUSSION OF FORM: Gans (1960, p. 178).

RANGE: Extreme western Iran, southern Iraq, Kuwait, the northern half of Saudi Arabia, Trucial Oman.

GENUS PACHYCALAMUS GÜNTHER

Pachycalamus GÜNTHER, 1881, p. 462. Type species: *Pachycalamus brevis*, by monotypy.

See discussion in Gans (1960, p. 178).

Pachycalamus brevis Günther

Pachycalamus brevis GÜNTHER, 1881, p. 462. *Terra typica*: Socotra Island. Syntypes: B.M. Nos. 81.3.5.6.:RR 1946.8.31.68-81.3.5.11:RR 1946.8.-31.73, 1934.12.10.1:RR 1946.8.31.78-1934.12.10.-4:RR 1946.8.31.81 (possibly N.M.W. No. 16681 as well).

DISCUSSION OF FORM: Loveridge (1941, p. 364) and Gans (1960, p. 178).

RANGE: Socotra Island, Indian Ocean.

GENUS TROGONOPHIS KAUP

Trogonophis KAUP, 1830, p. 880. Type species: *Trogonophis wiegmanni*, by monotypy.

Trigonophis GRAY, 1844, p. 68. *Lapsus*, hence not available (Stoll and others, 1961, art. 33b).

See discussion in Gans (1960, p. 178).

Trogonophis wiegmanni wiegmanni Kaup

Trogonophis wiegmanni KAUP, 1830, p. 880. *Terra typica*: Unknown; restricted to "Algérie" (Pasteur and Bons, 1960, p. 79). Syntypes: "Zool. Inst. Giessen" (Kaup, 1831); destroyed (W. J. Schmidt, *in litt.*).

DISCUSSION OF FORMS: Loveridge (1941, p. 360) and Gans (1960, p. 178). Pasteur and Bons (1960, p. 79) commented on the status of races.

RANGE: Eastern Morocco, northern Algeria, western Tunisia (specimens in Museo Civico di Storia Naturale of Genoa and the Zoologische Staatssammlung, Munich).

Trogonophis wiegmanni elegans (Gervais)

Amphisbaena elegans GERVAIS, 1835, p. 113. *Terra typica*: "Alger et à Tanger"; restricted to

Tangier (Gans and Pasteur, 1962, p. 10). Lectotype: M.H.N.P. No. A3083 from Tangier. Lectoparatypes: Apparently lost (cf. Gans and Pasteur, 1962).

Trogonophis wiegmanni maroccana WERNER, 1931, p. 280. *Terra typica*: "Chella, Rabat, Marokko." Holotype: M.C.Z. No. 29668. Paratypes: M.C.Z. No. 29669 (Djebel Taghat, Fez). M.C.Z. No. 29670 (Agadir, Morocco).

DISCUSSIONS OF FORMS: See under the nominate race.

RANGE: Western Morocco to the Souss.

AMPHISBAENIDAE

GENUS AMPHISBAENA LINNÉ

Amphisbaena LINNÉ, 1758, p. 229. Type species: *Amphisbaena fuliginosa*, by first reviser (Fitzinger, 1843, p. 22).

Glyptoderma FITZINGER, 1843, p. 22. Type species: *Amphisbaena vermicularis* Wagler, by original designation.

Typhloblanus FITZINGER, 1843, p. 22. Type species: *Amphisbaena caeca* (= *A. caeca* Cuvier), by original designation.

Sarea GRAY, 1844, p. 71. Type species: *Amphisbaena caeca* Cuvier (= *A. ridleyi* Boulenger; cf. Gans and Alexander, 1962, p. 82) by original designation.

Diphalus COPE, 1861b, p. 75. Type species: *Diphalus fenestratus*, by monotypy.

Aporarchus COPE, 1885, p. 189. Type species: *Aporarchus prunicolor*, by monotypy.

See discussion in Gans and Alexander (1962, p. 82) for American forms; in Loveridge (1941, 1948, 1957), Laurent (1947), and Vanzolini (1951b, MS), for African forms. Loveridge retained most African species of this general grouping in the genus *Amphisbaena*, except for two placed in *Placogaster*. I choose to follow Laurent (1947) in his recognition of *Chirindia* and *Cynisca*, confirmed by Vanzolini, and in his placement of the species of *Placogaster* in *Cynisca*, set aside by Vanzolini, but without argument. I follow Vanzolini in accepting the genera *Loveridgea* and *Zygaspis*. *Amphisbaena violacea* remains, therefore, as the only African species of this genus, an artificial situation on which I comment under that species.

There may be considerable merit to Loveridge's suggestion (1948, p. 213; 1957, p. 237) that the new genera of African species are subgenera at best, particularly since three of the four groupings are allopatric, yet even

acceptance of this view would not invalidate the concept of an American and an African genus. Certainly the differences in the direction of modification of the American and African species formerly joined in the same genus lend considerable weight to the revised scheme.

Amphisbaena alba Linné

Amphisbaena alba LINNÉ, 1758, p. 229. *Terra typica*: "America." Syntypes: Museum Drottningholm (two specimens, according to Andersson, 1899, p. 7).

Amphisbaena rosea SHAW AND NODDER, 1791 (1791-1795, vol. 3), pl. 86+text. *Terra typica*: "America." Type: Not designated.

Amphisbaena pachyura WOLF, 1822, p. 61. *Terra typica*: Not designated. Type: Lost.

Amphisbaena exalbida WAGLER in Wolf, 1822, p. 62. Manuscript name for type of *A. pachyura*. Not available as published in synonymy (Stoll and others, 1961, art. 11d).

Amphisbaena flavescens WIED, 1825a, no. 9. *Terra typica*: "Bahía Belmonte, . . . grossen Waldungen am Flusse Mucurí," Brazil. Restricted to "mouth of Mucurí River" (Gans, 1962c, p. 7). Lectotype: A.M.N.H. No. 1098 (Gans, *ibid.*).

Amphisbaena beniënsis COPE, 1885, p. 184. *Terra typica*: "Upper Beni River, Bolivia." Holotype: A.N.S.P. No. 11343.

Amphisbaena alba var. *radiata* COPE, 1885, p. 194. *Terra typica*: Unknown. Type: Lost.

Amphisbaena alba var. *dissecta* COPE, 1885, p. 194. *Terra typica*: "Venezuela." Holotype: A.N.S.P. No. 9693.

DISCUSSION OF FORM: Vanzolini (1955, p. 683) and Gans (1962c, p. 10).

RANGE: Forested lowlands of South America, from Panama(?) through Venezuela, Trinidad, and the Guianas; Colombia, Peru, and Bolivia east of the Andes; Brazil and northern Paraguay.

Amphisbena angustifrons Cope

Amphisbaena angustifrons COPE, 1861b, p. 76. *Terra typica*: "Buenos Ayres," Argentina. Holotype: A.N.S.P. No. 9690.

Amphisbaena knighti PARKER, 1928, p. 383. *Terra typica*: "Bonifacio, Argentina (approx. 36° 18'W.)." Holotype: B.M. No. 1928.5.2.1:RR1946.-8.31.76. Paratypes: B.M. No. 1927.5.26.4 (Bonifacio); B.M. Nos. 1909.11.2.8:RR1946.8.8.71, 1909.11.2.9:RR1946.8.8.72 (Ajo, Province of Buenos Ayres); B.M. No. 1902.7.29.65 (Tucuman).

DISCUSSION OF FORM: Gans (1965b, p. 13).

RANGE: Central and northern Argentina to Bolivia.

***Amphisbaena bahiana* Vanzolini**

Amphisbaena bahiana VANZOLINI, 1964, p. 1. *Terra typica*: "Vila Nova, Bahía, Brasil." Holotype: D.Z. No. 1259.

DISCUSSION OF FORM: Gans (1964e, p. 412).

RANGE: Bahía, Brazil.

***Amphisbaena bakeri* Stejneger**

Amphisbaena bakeri STEJNEGER, 1904, p. 681. *Terra typica*: "Lares, Porto Rico." Holotype: U.S.N.M. No. 25541. Paratypes: U.S.N.M. No. 25537 (Lares); U.S.N.M. No. 27458 (Puerto Rico).

DISCUSSION OF FORM: Gans and Alexander (1962, p. 121) and Thomas (1966, p. 3).

RANGE: North-central portion of extreme western Puerto Rico.

***Amphisbaena caeca* Cuvier**

Amphisbaena caeca CUVIER, 1829, p. 73. *Terra typica*: "Martinique" = Puerto Rico (cf. Stejneger, 1904, p. 675). Lectotype: M.H.N.P. No. A550 (Gans and Alexander, 1962, p. 123). Lectoparatypes: M.N.H.P. Nos. 3114-3115.

DISCUSSION OF FORM: Gans and Alexander (1962, p. 123) and Thomas (1966, p. 5).

RANGE: Puerto Rico, with the possible exception of the western extremity of the island; also on Caja de Muertos.

***Amphisbaena camura* Cope**

Amphisbaena camura COPE, 1862, p. 350. *Terra typica*: "Paraguay." Syntypes: U.S.N.M. No. 5860 (two specimens).

Amphisbaena boliviana WERNER, 1910b, p. 35. *Terra typica*: "Prov. Beni, Bolivia, Quellgebiet des Amazonas." Syntypes: Formerly Zoologisches Museum, Hamburg; destroyed.

Amphisbaena camura bolivica MERTENS, 1929, p. 60. *Terra typica*: "Villa Montes, Rio Pilcomayo, Süd Bolivien." Holotype: S.M.F. No. 22099. Paratype: S.M.F. No. 28105, anterior half of specimen only.

DISCUSSION OF FORM: Gans (1965b, p. 22).

RANGE: Central and northern Argentina, Paraguay, Amazonian Bolivia, Brazil (Mato Grosso).

***Amphisbaena carvalhoi* Gans**

Amphisbaena carvalhoi GANS, 1965a, p. 625. *Terra typica*: "Poço, Município de Pesqueira,

Pernambuco, Brazil . . . on the Serra de Acahy at 1035m . . . in broken up granite gravels." Holotype: M.N. No. R2095. Paratypes: M.N. Nos. R1759, R2093, R2094, R2096-R2098; S.U. Nos. 17289, 17290.

DISCUSSION OF FORM: None.

RANGE: Known from the types only.

***Amphisbaena cubana cubana* Gundlach and Peters**

Amphisbaena cubana GUNDLACH AND PETERS in W. C. H. Peters, 1878b, p. 780. *Terra typica*: "Cuba." Syntypes: Z.M.U. Nos. 6904, 9384.

DISCUSSION OF FORM: Gans and Alexander (1962, p. 97).

RANGE: Eastern Cuba, west to Cienfuegos; Isla de Pinos.

***Amphisbaena cubana barbouri* Gans and Alexander**

Amphisbaena cubana barbouri GANS AND ALEXANDER, 1962, p. 100. *Terra typica*: "On the east shore of the Ensenada de Cochinos, Las Villas Prov., Caleta Rosario, Cuba." Holotype: M.C.Z. No. 12136. Paratypes: M.C.Z. Nos. 58788, 58789 (Marianao); M.C.Z. No. 12135 (Playa del Chivo); M.C.Z. No. 12137 (Caleta Rosario); M.C.Z. No. 13524 (Soledad); U.S.N.M., Nos. 26363, 26364 (Matanzas).

DISCUSSION OF FORM: Gans and Alexander (1962, p. 100).

RANGE: Cuba, Havana to Cienfuegos.

***Amphisbaena darwini darwini* Duméril and Bibron**

Amphisbaena darwini DUMÉRIL AND BIBRON, 1839, p. 490. *Terra typica*: "Montevideo," Uruguay. Lectotype: M.H.N.P. No. A3112 (Gans, 1966c, p. 231). Lectoparatypes: M.H.N.P. Nos. A3107, A3113.

DISCUSSION OF FORM: Gans (1966c, p. 234).

RANGE: Southern and central Uruguay.

***Amphisbaena darwini heterozonata* Burmeister**

Amphisbaena heterozonata BURMEISTER, 1861, vol. 2, p. 527 (*Lepidosternon heterozonatum*, vol. 1, p. 309, in error). *Terra typica*: "Bei Mendoza und Tucuman . . ."; restricted to Mendoza, Argentina (Lorenz Müller, 1941, p. 195); corrected to Tucumán, Argentina (Gans, 1966c, p. 231). Types: M.L.U. (Lorenz Müller, *ibid.*).

DISCUSSION OF FORM: Gans (1966c, p. 239).

RANGE: Argentina (Tucumán to Buenos

Aires) north into southern Bolivia and central Paraguay.

***Amphisbaena darwini trachura* Cope**

Amphisbaena mildei W. C. H. PETERS, 1878b, p. 780. *Terra typica*: "Porto Alegre," Rio Grande do Sul, Brazil. Holotype: Z.M.U. No. 6255 (possibly lost). *Nomen oblitum*, petition for suppression filed (Gans, 1966b, p. 162).

Amphisbaena trachura COPE, 1885, p. 189. *Terra typica*: "San Joao do Monte Negro" = Montenegro, Rio Grande do Sul, Brazil. Holotype: A.N.S.P. No. 12988.

DISCUSSION OF FORM: Gans (1966c, p. 237).

RANGE: Brazil (São Paulo to Rio Grande do Sul) into northern Uruguay and extreme northeastern Argentina.

***Amphisbaena dubia* Lorenz Müller**

Amphisbaena dubia LORENZ MÜLLER, 1924, p. 186. *Terra typica*: "Piracicaba, Staat São Paulo, Brasilien." Holotype: Z.M.U. No. 26394.

Not *A. dubia* Rathke, 1863, p. 126; cf. Gans, 1961a, p. 220; China, 1963, p. 197.

DISCUSSION OF FORM: Gans (1964b, p. 2).

RANGE: Brazil, states of São Paulo, Paraná, and Santa Catarina.

***Amphisbaena fenestrata* (Cope)**

Diphalus fenestratus COPE, 1861b, p. 76. *Terra typica*: "The West Indian Islands of St. Thomas and Santa Cruz"; restricted to "St. Thomas, Virgin Islands" (Gans and Alexander, 1962, p. 131). Holotype: U.S.N.M. No. 11715.

Amphisbaena antillensis REINHARDT AND LÜTKEN, 1862, p. 224. *Terra typica*: "St. Thomas og St. Jan"; restricted to "St. John," Virgin Islands (Gans and Alexander, 1962, p. 131). Lectotype: K.M. No. R-449. Lectoparatype: K.M. No. R-4411 (Virgin Islands).

DISCUSSION OF FORM: Gans and Alexander (1962, p. 131).

RANGE: Virgin Islands, Tortola, St. John, Dorothea, St. Thomas.

***Amphisbaena fuliginosa fuliginosa* Linné**

Amphisbaena fuliginosa LINNÉ, 1758, p. 229. *Terra typica*: "America" = Guianas (cf. Vanzolini, 1951a, p. 58). Syntypes: Stockholm Museum, Uppsala Museum (Andersson, 1899, p. 7).

Amphisbaena vulgaris LAURENTI, 1768, p. 66. *Terra typica*: "America." Holotype: "Museo Illustris. Com. Turriana Viennae"; lost, according to Vanzolini (1951a, p. 59).

Amphisbaena magnifica LAURENTI, 1768, p. 66.

Terra typica: "America." Holotype: Seba specimen; lost.

Amphisbaena flava LAURENTI, 1768, p. 67. *Terra typica*: "America." Holotype: Seba specimen; lost.

Amphisbaena americana GRAY, 1844, p. 70. *Terra typica*: "South America; Demerara; Berbice." Lectotype: By present designation, B.M. No. V.2.1.d:RR1960.1.4.56 (Berbice). Lectoparatypes: B.M. No. V.2.1.a:RR1960.1.4.59 (South America); B.M. Nos. V.2.1.b:RR1960.1.4.57, 38.11.1.21:RR1960.1.4.58 (Demerara).

DISCUSSION OF FORM: Vanzolini (1951a, p. 60).

RANGE: From Trinidad to French Guiana.

***Amphisbaena fuliginosa varia* Laurenti**

Amphisbaena varia LAURENTI, 1768, p. 66. *Terra typica*: "America" = Panama (cf. Vanzolini, 1951a, p. 59). Holotype: Not designated. Neotype (Vanzolini, 1951a, p. 61): M.C.Z. No. 22070 (Barro Colorado Island, Panama, Canal Zone). Neoparatypes: B.M. No. 1914.5.21.25 (Pena Lisa, Condoto, Colombia); M.C.Z. Nos. 37874, 37123 (Panama City); M.C.Z. No. 24003 (Frijoles, Canal Zone); M.C.Z. Nos. 18925, 24004 (Monte Lirio, Canal Zone); M.C.Z. No. 18924 (near Gatun, Canal Zone); M.C.Z. No. 37106 (mid-basin of Chagres River and Pequeni River); U.S.N.M. No. 38399 (Chagres River-Bohio); U.S.N.M. No. 37859 (Canal Zone).

DISCUSSION OF FORM: Vanzolini (1951a, p. 61).

RANGE: Panama and Columbia southward to near Villavicencio; southwestward to Ecuador and eastward to Venezuela near Trinidad.

***Amphisbaena fuliginosa bassleri* Vanzolini**

Amphisbaena fuliginosa bassleri VANZOLINI, 1951a, p. 61. *Terra typica*: "Roabaya, Loreto, Peru." Holotype: A.M.N.H. No. 56606. Paratypes: A.M.N.H. Nos. 56224 (not 45624), 56588-56590, 56592, 56596-56600 (not 56660), 56602, 56603, 56605, 56610, 56617, 56618 (Iquitos, Loreto, Peru); A.M.N.H. Nos. 56594, 56609 (Contamana, Loreto, Peru); A.M.N.H. No. 56310 (Pampa Hermosa, Loreto, Peru); A.M.N.H. No. 56611 (Cuxiabatay River, Loreto, Peru); A.M.N.H. Nos. 56607, 56613 (Roabaya, Loreto, Peru); A.M.N.H. No. 56608 (Requena, Loreto, Peru); A.M.N.H. No. 56601 (Reforma, Loreto, Peru); B.M. No. 81.5.13.33 (Cashiboya, Loreto, Peru); B.M. Nos. 1907.5.2.1.-1907.5.2.3 (Rio San Gaban, Loreto, Peru); C.N.H.M. Nos. 45471, 45472 (Iquitos, Loreto, Peru); M.C.Z. No. 45784 (Pucallpa, Loreto, Peru).

DISCUSSION OF FORM: Vanzolini (1951a, p. 61) and Rhodes (1963, p. 175).

RANGE: Northern Bolivia, southern Peru, and the Ucayali River valley up to the upper Amazon in Loreto. The Argentine record from the Chaco Austral (Serie, 1915) apparently belongs here. The specimen is in the Museo Argentino de Ciencias Naturales in Buenos Aires.

***Amphisbaena fuliginosa amazonica* Vanzolini**

Amphisbaena dubia RATHKE, 1863, p. 128. *Terra typica*: None. Type: Lost. Name suppressed (China, 1963, p. 197).

Amphisbaena fuliginosa amazonica VANZOLINI, 1951a, p. 62. *Terra typica*: "Manaus, Amazonas, Brasil." Holotype: I.B. No. 674. Paratypes: A.M.N.H. Nos. 64917-64919; D.Z. No. 1927; I.B. No. 673; M.C.Z. Nos. 19540, 20663, 20664.

DISCUSSION OF FORM: Vanzolini (1951a, p. 61).

RANGE: The Amazon Valley from Manaus, Brazil, up to Letiçia, Colombia.

***Amphisbaena fuliginosa wiedi* Vanzolini**

Amphisbaena fuliginosa wiedi VANZOLINI, 1951a, p. 62. *Terra typica*: "Santa Maria, Baía, Brasil." Holotype: A.M.N.H. No. 1091. Paratypes: A.M.N.H. Nos. 1092, 1093.

DISCUSSION OF FORM: Vanzolini (1951a, p. 62).

RANGE: Known from the type locality and the lower Amazon. The latter specimen is in the Departamento de Zoologia of São Paulo, Brazil.

***Amphisbaena gonavensis gonavensis* Gans and Alexander**

Amphisbaena innocens gonavensis GANS AND ALEXANDER, 1962, p. 111. *Terra typica*: "Point à Roquettes, Gonave Island, Haiti." Holotype: P.M. No. 3384. Paratypes: M.C.Z. No. 25549 (Petite Gonave); P.M. Nos. 3385-3389; U.S.N.M. No. 10168 (Gonave).

DISCUSSION OF FORM: Thomas (1965, p. 1).

RANGE: Gonave and Petite Gonave, Hispaniola.

***Amphisbaena gonavensis hyporissor* Thomas**

Amphisbaena gonavensis hyporissor THOMAS, 1965, p. 5. *Terra typica*: "13.1 mi. (20.9 km) SW of Enriquillo, Pedernales Province, República Dominicana." Holotype: M.C.Z. No. 77149. Paratypes: A.S.F.S. Nos. X9974-X9976; A.M.N.H. Nos. 92792-92795; K.U. Nos. 79824, 79825; R.T.

Nos. 754, 755; U.I.M.N.H. Nos. 55600-55602; M.C.Z. No. 77150 (5 miles northeast of Oviedo, Pedernales Province).

DISCUSSION OF FORM: None.

RANGE: Southeastern portion of Barahona Peninsula, Hispaniola. Known from the types only.

***Amphisbaena gonavensis leberi* Thomas**

Amphisbaena gonavensis leberi THOMAS, 1965, p. 7. *Terra typica*: "5 km N of Pedernales, Pedernales Province, República Dominicana." Holotype: M.C.Z. No. 77218. Paratypes: M.C.Z. No. 77219; A.S.F.S. Nos. V2595, V2596 (8 kilometers north of Pedernales); A.M.N.H. Nos. 92827, 92828; A.S.F.S. Nos. V2676-V2678; K.U. Nos. 79855, 79856; R.T. No. 985; U.I.M.N.H. Nos. 55627, 55628 (Pedernales).

DISCUSSION OF FORM: None.

RANGE: Low elevations of northwestern Barahona Peninsula, Hispaniola. Known from the types only.

***Amphisbaena gracilis* Strauch**

Amphisbaena gracilis STRAUCH, 1881, col. 70. *Terra typica*: "Unbekannt, wahrscheinlich Süd-Amerika." Holotype: Z.I.L. No. 5517.

DISCUSSION OF FORM: None. The status of this form is in considerable doubt.

RANGE: Known from the type only.

***Amphisbaena heathi* Schmidt**

Amphisbaena heathi SCHMIDT, 1936, p. 29. *Terra typica*: "Baixa Verde, Rio Grande do Norte," Brazil. Holotype: C.A.S. No. 49374. Paratype: C.A.S. No. 49424 (Ceara Mirim, Rio Grande do Norte, Brazil).

DISCUSSION OF FORM: Gans (1965a, p. 615).

RANGE: Known from the types only.

***Amphisbaena hogei* Vanzolini**

Amphisbaena darwini hogei VANZOLINI, 1950, p. 69. *Terra typica*: "Ilha dos Alcatrazes, S. P.," Brazil. Holotype: D.Z. No. 6905. Paratypes: D.Z. Nos. 6906-6920.

DISCUSSION OF FORM: Gans (1966c, p. 250).

RANGE: Brazil, eastern São Paulo to Santa Catarina. Ilha dos Alcatrazes, Ilha Queimada Grande.

***Amphisbaena innocens innocens* Weinland**

Amphisbaena innocens WEINLAND, 1862, p. 137. *Terra typica*: "In einem lichten Schlage von

Campêche-Holz in der Nähe des Hafen-Städtchens Jérémie," Haiti. Syntypes: M.C.Z. Nos. 3624, 3625; Z.M.U. No. 1386.

Amphisbaena weinlandi SCHMIDT, 1928, p. 29. *Lapsus* for *A. innocens*, hence not available (Stoll and others, 1961, art. 33b).

DISCUSSION OF FORM: Gans and Alexander (1962, p. 107) and Thomas (1965, p. 1).

RANGE: Southwestern Hispaniola.

***Amphisbaena innocens caudalis* Cochran**

Amphisbaena caudalis COCHRAN, 1928, p. 58. *Terra typica*: "Grande Cayemite Island, Haiti." Holotype: M.C.Z. No. 25550. Paratype: M.C.Z. No. 25551.

DISCUSSION OF FORM: Gans and Alexander (1962, p. 110).

RANGE: Grande Cayemite Island, Haiti. Known from the types only.

***Amphisbaena leeseri* Gans**

Amphisbaena leeseri GANS, 1964c, p. 554. *Terra typica*: "Urucum, Mato Grosso, Brasil." Holotype: I.M.Z.U.T. No. 2748B. Paratypes: I.M.Z.U.T. Nos. 2748A, 2748C-2748E.

DISCUSSION OF FORM: None.

RANGE: Brazil (southwestern Mato Grosso) to northern Paraguay (Rio Apa). One specimen from central Mato Grosso in the Museo Nacional collection, Rio de Janeiro.

***Amphisbaena leucocephala* W. C. H. Peters**

Amphisbaena leucocephala W. C. H. PETERS, 1878b, p. 779. *Terra typica*: "Bahia," Brazil. Holotype: Z.M.U. No. 1379.

DISCUSSION OF FORM: Gans (1965c, p. 402) cited this as a *species inquirenda* on the basis of two specimens.

RANGE: Brazil, Bahia.

***Amphisbaena manni* Barbour**

Amphisbaena manni BARBOUR, 1914a, p. 318. *Terra typica*: "Cape Haitien, Haiti." Holotype: M.C.Z. No. 8645. Paratypes: M.C.Z. Nos. 8646, 8647; U.S.N.M. No. 67113.

DISCUSSION OF FORM: Gans and Alexander (1962, p. 113).

RANGE: Hispaniola, except for the southwestern quadrant.

***Amphisbaena mertensi* Strauch**

Amphisbaena mertensii STRAUCH, 1881, col. 66. *Terra typica*: "Wahrscheinlich an irgend einem Küstenpunkte Süd Amerikas"; restricted to

"State of São Paulo, Brazil" (Gans, 1966a). Holotype: Z.I.L. No. 311.

Amphisbaena bohlsii BOULENGER, 1894, p. 344. *Terra typica*: "Near Asuncion, Paraguay." Syntypes: B.M. Nos. 94.3.14.19:RR1946.8.8.80, 94.3.14.20:RR1946.8.8.81.

Amphisbaena matogrossensis PERACCA, 1898, p. 1. *Terra typica*: "Colonia Teresa Cristina; Matogrosso, Brasile." Holotype: I.M.Z.U.T. No. 2479.

Amphisbaena carrucci MASI, 1911, p. 230. *Terra typica*: "Cerro S. Ana, Territorio de Misiones," Argentina. Holotype: G.Z.R. No. 5556M.

Amphisbaena boulengeri MASI, 1911, p. 232. *Terra typica*: "Cerro S. Ana, Territorio de Misiones," Argentina. Holotype: Department of Zoology, University of Rome, unnumbered.

Amphisbaena albissima AMARAL, 1932, p. 56. *Terra typica*: "Piracicaba, São Paulo, Brazil." Holotype: D.Z. No. 1260 (in extremely poor condition).

DISCUSSION OF FORM: Gans (1966a, p. 534).

RANGE: Southeastern Brazil (São Paulo, Paraná, Santa Catarina, Mato Grosso) to northern Argentina (Misiones) and eastern Paraguay.

***Amphisbaena mitchelli* Procter**

Amphisbaena mitchelli PROCTER, 1923, p. 1065. *Terra typica*: "Marajo Island," at the mouth of the Amazon, Brazil. Holotype: B.M. No. 1923.11.9.90:RR1946.8.2.31.

DISCUSSION OF FORM: Gans (1963a, p. 3; 1964d, p. 192).

RANGE: Mouth of the Amazon (Tocantins?), Marajo Island, and Belém, Pará, Brazil.

***Amphisbaena munoai* Klappenbach**

Amphisbaena munoai KLAPPENBACH, 1960, p. 3. *Terra typica*: "Cerro de Animas, Departamento de Maldonado," Uruguay. Holotype: M.N.H.N. No. 587. Paratypes: M.N.H.N. Nos. 173A-173D, 181A-181F, 583A-583E, 586, 588-591, 718A, 718B, 862A-862C, 863, 865A-865C (Cerro de Animas); M.N.H.N. Nos. 178A, 178B, 182 (Cerro San Antonio, Piriapolis, Maldonado); M.N.H.N. No. 714 (Carpintería, Rivera); M.N.H.N. No. 716 (Aguas Blancas, Lavalleja); M.N.H.N. Nos. 861A-861B (Zapicán, Lavalleja); Z.V.C.R. No. 37-1 (Cerro de Arequita, Lavalleja); M.N.H.N. No. 864 (Sierras de Aceguá, Cerro Largo); Z.V.C.R. Nos. 38, 142 (Cerro, Montevideo).

DISCUSSION OF FORM: Gans (1966c, p. 243).

RANGE: Elevated areas of the southern

and eastern portion of Uruguay, north into Rio Grande do Sul, Brazil.

***Amphisbaena neglecta* Dunn and Piatt**

Amphisbaena neglecta DUNN AND PIATT, 1936, p. 527. *Terra typica*: "Chapada, Matto Grosso, Brasil." Holotype: A.N.S.P. No. 13019. Paratypes: A.N.S.P. Nos 13020-13022.

DISCUSSION OF FORM: Gans (1962b, p. 169; 1964c, p. 554).

RANGE: Brazil, east-central Mato Grosso into central Goiaz.

***Amphisbaena nigricauda* Gans**

Amphisbaena nigricauda GANS, 1966c, p. 252. *Terra typica*: "Brazil, Espirito Santo, Linhares." Holotype: M.N. No. R3305. Paratypes: A.M.N.H. No. 97205, C.G. No. 3207.

DISCUSSION OF FORM: None.

RANGE: Known from the types only.

***Amphisbaena occidentalis occidentalis* Cope**

Amphisbaena occidentalis COPE, 1876, p. 176. *Terra typica*: "Valley of Jequetepeque," north coast of Peru. Syntypes: A.N.S.P. Nos. 11355-11358.

DISCUSSION OF FORM: Gans (1961c, p. 7).

RANGE: Coastal plain of Peru, from Chimbote to Chiclay (C. G. No. 2767, plus three in a private collection in Lima).

***Amphisbaena occidentalis townsendi* Stejneger**

Amphisbaena townsendi STEJNEGER, 1911, p. 283. *Terra typica*: "Piura, Peru." Holotype: U.S.N.M. No. 47987.

DISCUSSION OF FORM: Gans (1961c, p. 8). It seems likely that this form must be recognized as a full species.

RANGE: Coastal plain of Peru, from Piura to Lobitos.

***Amphisbaena pericensis* Noble**

Amphisbaena pericensis NOBLE, 1921, p. 141. *Terra typica*: "Perico, Peru." Holotype: M.C.Z. No. 14631. Paratypes: A.M.N.H. Nos. 28501-28503; B.M. No. 1929.6.1.85:RR1946.8.31.83; C.A.S. No. 54614; C.N.H.M. Nos. 16106, 16107, 73371; D.Z. No. 1059; M.C.Z. Nos. 14764, 14765, 14767, 14768, 14770, 14772-14775; S.M.F. Nos. 11826, 11887, 11888; U.M.M.Z. Nos. 55676A, 55676B; U.I.M.N.H. No. 41494; U.S.N.M. No. 75970; Z.M.U. No. 29659 (Perico); M.C.Z. Nos. 14789, 14790 (Bellavista); U.S.N.M. No. 59926 (Chinchipe River); U.S.N.M. Nos. 60057, 60058 (Marañon River).

DISCUSSION OF FORM: Gans (1963d, p. 3).

RANGE: Peru. "Arid inland valleys of the Chichipe and Marañon, from Perico on the north to Bellavista on the South" (Noble).

***Amphisbaena plumbea* Gray**

Amphisbaena plumbea GRAY, 1872, p. 36. *Terra typica*: "Mendoza," Argentina. Holotype: B.M. No. 71.11.29.5:RR1946.8.2.7.

DISCUSSION OF FORM: Parker (1928, p. 383). The status of this form and of a possibly sympatric species is still under investigation.

RANGE: South-central Argentina.

***Amphisbaena polygrammica* Werner**

Amphisbaena polygrammica WERNER, 1900, p. 5. *Terra typica*: "Chanchamayo, Peru." Holotype: Formerly Dresden No. D1741 (Schüz, 1929, p. 6); destroyed.

DISCUSSION OF FORM: None. The description reminds one of *A. occidentalis*, not of *plumbea*.

RANGE: Known from type only.

***Amphisbaena pretrei* Duméril and Bibron**

Amphisbaena pretrei DUMÉRIL AND BIBRON, 1839, p. 468. *Terra typica*: "Brésil." Lectotype (Gans, 1965c); M.H.N.P. No. A-3110. Lectoparatype: M.H.N.P. No. A-555.

Amphisbaena petraei GRAY, 1865, p. 447. *Lapsus*, hence not available (Stoll and others, 1961, art. 33b).

Amphisbaena subocularis W. C. H. PETERS, 1878b, p. 779. *Terra typica*: "Pernambuco," Brazil. Holotype: Z.M.U. No. 7069.

Amphisbaena pretrii BOULENGER, 1885, p. 440. Emendation.

Amphisbaena brachyura AMARAL, 1932, p. 55. *Terra typica*: "Maceió, Alagoas," Brazil. Holotype: D.Z. No. 1248B (apparently lost).

Amphisbaena petrei AMARAL, 1937a, p. 197. *Lapsus*, hence not available (Stoll and others, 1961, art. 33b).

DISCUSSION OF FORM: Schmidt (1936, p. 29) and Gans (1965c, p. 391).

RANGE: Brazil (Rio Grande do Norte to Minas Gerais [Rio de Janeiro?]).

***Amphisbaena prunicolor prunicolor* (Cope)**

Aporarchus prunicolor COPE, 1885, p. 189. *Terra typica*: "São Joao do Monte Negro, Rio Grande do Sul, Brasil." Holotype: A.N.S.P. No. 12969.

DISCUSSION OF FORM: Gans (1966c, p. 246).

RANGE: Northern Argentina (Misiones)

and southeastern Brazil (Rio Grande do Sul, possibly north into Espirito Santo).

Amphisbaena prunicolor albocingulata
Boettger

Amphisbaena albocingulata BOETTGER, 1885, p. 219. *Terra typica*: "Paraguay, Amer. merid." Holotype: Formerly Naturhistorisches Institut Linnea, Frankfurt-am-Main, now Z.I.L. No. 6660.

DISCUSSION OF FORM: Gans (1966c, p. 248).

RANGE: Paraguay, perhaps north into Mato Grosso and Goyaz (Brazil).

Amphisbaena ridleyi Boulenger

Amphisbaena ridleyi BOULENGER, 1890, p. 481. *Terra typica*: "Porto Bello" (= Brazil, according to Boulenger, 1890) and "Fernando Noronha," Brazil; restricted to "Fernando da Noronha, Brazil" (Gans, 1963c, p. 103). Lectotype: B.M. No. 88.1.19.7 (Gans, 1963c, p. 103). Lectoparatypes: B.M. Nos. 88.1.19.8-88.1.19.16; K.M. No. R-4443; M.C.Z. No. 10789; M.H.N.P. No. 90-419; S.M.F. No. 11825; B.M. No. V.2.2a:RR-1960.1.4.39 ("Porto Bello, W. Indies" = "Brazil").

DISCUSSION OF FORM: Gans (1963c).

RANGE: Island of Fernando da Noronha, Brazil.

Amphisbaena roberti Gans

Amphisbaena roberti GANS, 1964c, p. 402. *Terra typica*: "Ypiranga, São Paulo, S.P., Brazil." Holotype: D.Z. No. 1946. Paratypes: D.Z. Nos. 755, 1947; H.M. No. 1879A; D.Z. Nos. 1257, 1937 (São Paulo, São Paulo, Brazil).

DISCUSSION OF FORM: None.

RANGE: Brazil, coastal São Paulo, inland into southwestern Minas Gerais and southern Goiaz.

Amphisbaena rozei Lancini

Amphisbaena rozei LANCINI, 1963, p. 1. *Terra typica*: "Cabeceras del caño Majagua, Río Chajurá, afluente del Río Erebató, Estado Bolívar, Venezuela." Holotype: M.C.N.C. No. 178. Paratype: M.C.N.C. No. 13.

DISCUSSION OF FORM: None. The description is brief, and it is particularly unfortunate that the species has not been compared with *Amphisbaena spurrelli* with which it shares certain characteristics.

RANGE: Venezuela. Known from the types only.

Amphisbaena schmidtii Gans

Amphisbaena schmidtii GANS, 1964a, p. 3. *Terra*

typica: "Orilla (Cunta) Carrcamo, Isabella, Puerto Rico"; corrected to Isabela, Orilla (*cunetá*) Carretera Caño (by M. J. Velez in communication to R. Thomas). Holotype: M.C.Z. No. 73115. Paratypes: U.P.R.R.P. No. 1290; C.M. No. 36277 (Salinas, Puerto Rico); K.M. Nos. R4414, R4416 (Aguadilla, Puerto Rico); U.P.R.R.P. No. 2502 (2 miles east of Cueva del Indio, Highway P. R. 681, Puerto Rico.)

DISCUSSION OF FORM: Thomas (1966, p. 14).

RANGE: Northwestern Puerto Rico.

Amphisbaena silvestrii Boulenger

Amphisbaena silvestrii BOULENGER, 1902, p. 287. *Terra typica*: "Cuyaba," Mato Grosso, Brazil. Holotype: M.S.N.G. No. C.E. 28308.

DISCUSSION OF FORM: Gans (1962b, p. 167; 1964c, p. 554).

RANGE: Brazil, central Mato Grosso from Rio Tocantins, west into Bolivia.

Amphisbaena slateri Boulenger

Amphisbaena slateri BOULENGER, 1907a, p. 487. *Terra typica*: "Rio San Gaban Valley, Prov. Carabaya, altitude 2-3000 feet," Peru. Holotype: B.M. No. 1907.5.2.4:RR1946.8.31.82.

DISCUSSION OF FORM: None.

RANGE: Known from the type, and from two Bolivian specimens (H.M. No. 3434 and Z.M.U. No. 10888) that possibly represent a distinct southern race.

Amphisbaena slevini Schmidt

Amphisbaena slevini SCHMIDT, 1936, p. 31. *Terra typica*: "Manaos, Amazonas," Brazil. Holotype: C.A.S. No. 49809.

DISCUSSION OF FORM: Gans (1963a, p. 14).

RANGE: Known from the vicinity of the type locality only.

Amphisbaena spurrelli Boulenger

Amphisbaena spurrelli BOULENGER, 1915, p. 659. *Terra typica*: "Anda Goya, at the junction of the R. Condoto and San Juan," Colombia. Lectotype: B.M. No. 1915.10.21.9 (Gans, 1962d, p. 3). Lectoparatype: B.M. No. 1915.10.21.8.

DISCUSSION OF FORM: Gans (1962d, p. 2).

RANGE: Northern Columbia to Panama.

Amphisbaena steindachneri steindachneri
Strauch

Amphisbaena steindachneri STRAUCH, 1881, col. 81. *Terra typica*: "Brasilien (Caicara; Matto-grosso)." Lectotype: N.M.W. No. 12343 (Mato

Grosso) (Gans, 1964e, p. 389). Lectoparatypes: N.M.W. No. 12342 (Caçara); Z.I.L. No. 312 (Brazil).

Rhinoblanus oxyrhynchus? STRAUCH, 1881, col. 84. Manuscript name for types of *A. steindachneri*. Not available as published in synonymy (Stoll and others, 1961, art. 11d.)

DISCUSSION OF FORM: Mertens (1930, p. 164) and Gans (1964e, p. 391).

RANGE: Southwestern Brazil.

***Amphisbaena steindachneri borellii* Peracca**

Amphisbaena borellii PERACCA, 1897, p. 8. *Terra typica*: "Caiza (Chaco boliviano)." Syntypes: B.M. No. 98.7.7.13-RR1946.8.2.23; I.M.Z.U.T. No. 2043 (two specimens).

DISCUSSION OF FORM: Gans (1964e, p. 397).

RANGE: Known only from the types and one specimen with no data in the Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" collection.

***Amphisbaena stejnegeri* Ruthven**

Amphisbaena stejnegeri RUTHVEN, 1922, p. 1. *Terra typica*: "Sand reef at Vreeden Rust, Demerara River, British Guiana." Holotype: U.M.M.Z. No. 55858.

DISCUSSION OF FORM: Gans (1963b, p. 3).

RANGE: Coastal Guyana (formerly British Guiana).

***Amphisbaena vanzolinii* Gans**

Amphisbaena vanzolinii GANS, 1963b, p. 13. *Terra typica*: "Marudi, British Guiana . . . on a tributary of the Kuyuwini River, at 2° 5' North and 50° East." Holotype: A.M.N.H. No. 60975. Paratype: A.M.N.H. No. 60778.

DISCUSSION OF FORM: None.

RANGE: Known from the types and two additional specimens (K.U. Nos. 69817, 69818).

***Amphisbaena vermicularis* Wagler**

Amphisbaena vermicularis WAGLER, 1824, p. 73. *Terra typica*: "In provincia Bahiae, . . . aux environs de la ville de Bahia," Brazil. Holotype: Z.S.M. No. 660/0.

Amphisbaena vermicularis centralis AMARAL, 1935, p. 255; 1937b, p. 1705. *Terra typica*: "Canna Brava, Goías," Brazil. Holotype: D.Z. No. 6618. Paratypes: D.Z. Nos. 1925, 6575, 6588, 6619-6622, 6673 (Rio Pandeiro, Minas Gerais); D.Z. No. 6474 (Açude Soledade, Estado de Parahyba).

Amphisbaena spixi SCHMIDT, 1936, p. 30. *Terra typica*: "Ceara Mirim, Rio Grande do Norte," Brazil. Holotype: C.A.S. No. 49423. Paratypes: C.N.H.M. Nos. 64421, 64422 (Marx, 1958, p. 453). C.A.S. No. 49896 (Brazil).

DISCUSSION OF FORM: Vanzolini (1949, p. 105) and Gans and Amdur (1966, p. 71).

RANGE: Brazil, south of the Amazon to Minas Gerais, inland across Goiaz and Mato Grosso, into Bolivia.

***Amphisbaena violacea violacea*¹ W. C. H. Peters**

Amphisbaena violacea W. C. H. PETERS, 1854, p. 620 (again 1855, p. 49). *Terra typica*: "Inhambane, Lourenço-Marques," Mozambique. Syntypes: Z.M.U. No. 4814 (Inhambane); Z.M.U. No. 9420 (Lourenço-Marques).

DISCUSSION OF FORM: FitzSimons (1943, p. 378) and Manaças (1957, p. 5).

RANGE: Northern Zululand and Mozambique.

***Amphisbaena violacea vandami* FitzSimons**

Amphisbaena vandami FITZSIMONS, 1930, p. 32. *Terra typica*: "Louws Creek, Bargerton Dist., Eastern Transvaal." Type: T.M. No. 4279.

DISCUSSION OF FORM: FitzSimons (1943, p. 380) and Loveridge (1951, p. 184).

RANGE: Eastern Transvaal.

***Amphisbaena xera* Thomas**

Amphisbaena xera THOMAS, 1966, p. 7. *Terra typica*: "7 km E of Guánica, Puerto Rico, elevation 600' (183 m)." Holotype: M.C.Z. No. 81019. Paratypes: A.M.N.H. No. 94170, A.S.F.S. Nos. V5722, V5723; A.S.F.S. No. V5659 (7.1 kilometers east of Guánica); A.S.F.S. Nos. V5646, V5662, U.I.M.N.H. No. 56910, U.S.N.M. No. 152588 (7.3 kilometers east of Guánica); U.M.M.Z. No. 73844 (Sabana Grande); A.S.F.S. Nos. V6148, V6408 (8 kilometers east-southeast of San Germán, on the south slope of Cerro Algarrobo); A.S.F.S. No. V6423 (1.5 kilometers west-northwest of San Germán); A.S.F.S. No. V6427 (3 kilometers northeast of San Germán); U.P.R. Nos. 84a, 84b, 86 (Mayagüez); M.C.Z. No. 36301 (16 kilometers east of Juana Díaz); A.S.F.S. No. V5800 (6.2 kilometers east of Juana Díaz); U.M.M.Z. No. 73846 (4.8 kilometers east of

¹ This species differs significantly from *Amphisbaena*, *sensu stricto*, and belongs either with one of the African genera or in a distinct genus. I hope to document this point in the near future.

Juana Díaz); A.S.F.S. No. V6587 (2.3 kilometers east of Juana Díaz); A.S.F.S. Nos. V6616–V6618 (4.6 kilometers west, thence 1.1 kilometer northwest, of Juana Díaz); A.S.F.S. Nos. V6646–V6657, C.M. Nos. 40577, 40578, R.T. Nos. 1333, 1334 (4.6 kilometers west, thence 1.9 kilometers northwest, of Juana Díaz); A.S.F.S. Nos. V6619, V6636–V6640 (4.6 kilometers west, thence 4.6 kilometers northwest, of Juana Díaz); U.P.R. No. 91 (no data).

DISCUSSION OF FORM: None.

RANGE: Central to western parts of the southern xeric coastal plain of Puerto Rico; perhaps also on Caja de Muertos.

GENUS *ANCYLOCRANIUM* Parker

Ancylocranium PARKER, 1942, p. 57. Type species: *Anops somalicus* Scortecci, by original designation.

Ancylocranium LOVERIDGE, 1957, p. 237. *Lapsus*, hence not available (Stoll and others, 1961, art. 33b).

See discussion in Parker (1942, p. 59) and Gans and Kochva (1966, p. 88). The variability of the skull shown by the latter authors suggests that this genus may be invalid and that these forms may belong in the genus *Baikia*.

Ancylocranium barkeri barkeri Loveridge

Ancylocranium barkeri LOVERIDGE, 1946, p. 73. *Terra typica*: "Mbemkuru River, Lindi Province, Tanganyika." Holotype: M.C.Z. No. 48950.

DISCUSSION OF FORM: Loveridge (1955, p. 177; 1962, p. 2) and Gans and Kochva (1966, p. 106).

RANGE: Known from the types only.

Ancylocranium barkeri newalae Loveridge

Ancylocranium barkeri newalae LOVERIDGE, 1962, p. 1. *Terra typica*: "Newala, Southern Province, Tanganyika." Holotype: M.C.Z. No. 67001. Paratypes: B.M. Nos. 1959.1.05.18, 1962.177, 1962.178; M.C.Z. Nos. 67002–67004.

DISCUSSION OF FORM: Gans and Kochva (1966, p. 109).

RANGE: Known from the types only.

Ancylocranium ionidesi ionidesi Loveridge

Ancylocranium ionidesi LOVERIDGE, 1955, p. 177. *Terra typica*: "Kilwa, Southern Province, Tanganyika Territory." Holotype: M.C.Z. No. 52530. Paratypes: M.C.Z. No. 52531 (Kilwa); B.M. No. 1954.1.13.68; M.C.Z. No. 53112 (Kilongo, Kilwa).

DISCUSSION OF FORM: Loveridge (1962, p. 2) and Gans and Kochva (1966, p. 99).

RANGE: Tanganyika, Southern Province, Kilwa District.

Ancylocranium ionidesi haasi Gans and Kochva

Ancylocranium ionidesi haasi GANS AND KOCHVA, 1966, p. 102. *Terra typica*: "Mtene, Rondo Plateau, Lindi District, Tanganyika." Holotype: M.C.Z. No. 57189. Paratypes: C.G. Nos. 1130, 1665–1682.

DISCUSSION OF FORM: None.

RANGE: Tanganyika, Southern Province, Rondo Plateau.

Ancylocranium somalicum somalicum (Scortecci)

Anops somalicus SCORTECCI, 1931, p. 6. *Terra typica*: "Caitoi, Uebi Scebeli," Somali Republic. Lectotype (Gans and Kochva, 1966, p. 93): I.M.Z.U.T. No. 3556. Lectoparatype: M.S.N.M. No. 1294 (Benadir Province, Somali Republic).

DISCUSSION OF FORM: Loveridge (1941, p. 370) and Gans and Kochva (1966, p. 92).

RANGE: Somali Republic, mouth of Giuba River to Eggi.

Ancylocranium somalicum parkeri Gans and Kochva

Ancylocranium somalicum parkeri GANS AND KOCHVA, 1966, p. 95. *Terra typica*: "46° E × 8° 20' N in the Haud, Northern Territory, Somali Republic, at . . . 2100 feet." Holotype: B.M. No. 1958.1.3.49. Paratypes: B.M. Nos. 1958.1.3.50, 1958.1.3.51 (longitude 45° 58' E., latitude 8° 24' N., and longitude 45° 43' E., latitude 8° 26' N., 2300 and 2350 feet).

DISCUSSION OF FORM: None.

RANGE: Somali Republic, Northern Territory, Haud.

GENUS *ANOPS* Bell

Anops BELL, 1833, p. 99. Type species: *Anops kingii*, by monotypy.

Anopsibaena STEJNEGER, 1916, p. 85. New name for *Anops* Bell, believed preoccupied by *Anops* Oken, 1815, p. 358, a name later (Hemming, 1956, p. 3) shown to be unavailable.

See discussion in Vanzolini (1951b, p. 115) and Gans and Rhodes (1964, p. 3).

Anops kingi Bell

Anops kingii BELL, 1833, p. 99; 1835, p. 391. *Terra typica*: "In America Australi." Type: Apparently lost.

Amphisbaena galeata WIEGMANN, 1834, p. 21. GRAY, 1844, p. 72. *Nomen nudum*.

DISCUSSION OF FORM: Gans and Rhodes (1964, p. 3).

RANGE: Brazil (Rio Grande do Sul), Uruguay, and Argentina (inland to Cordoba, south to Rio Negro).

GENUS AULURA BARBOUR

Aulura BARBOUR, 1914b, p. 96. Type species: *Aulura anomala*, by monotypy.

See discussion in Vanzolini (1951b, p. 121).

Aulura anomala Barbour

Aulura anomala BARBOUR, 1914b, p. 96. *Terra typica*: "Brazil." Holotype: M.C.Z. No. 4660.

DISCUSSION OF FORM: Vanzolini (1948a, p. 275) and Cunha (1961, p. 172).

RANGE: States of Pará and Maranhão (B.M. No. 1934.5.28.1 from Barra-do-Corda), Brazil.

GENUS BAIKIA GRAY

Baikia GRAY, 1865, p. 450. Type species: *Baikia africana*, by monotypy.

See discussion in Parker (1942, p. 59) and Gans and Kochva (1966, p. 88).

Baikia africana Gray

Baikia africana GRAY, 1865, p. 451. *Terra typica*: "West Africa." Holotype: B.M. No. 65.5.9.7:RR1946.8.2.10.

DISCUSSION OF FORM: Loveridge (1941, p. 369), Parker (1942, p. 59), and Dunger (1965, p. 217). (See comment under *Ancylocranium*.)

RANGE: Northern Nigeria.

GENUS BIPES LATREILLE

Bipes LATREILLE, 1802, p. 90. Type species: *Bipes canaliculatus* Bonnaterre, by monotypy.

Microdipus HERMANN, 1804, p. 289. Type species: *Microdipus* [= *Bipes*] *canaliculatus* by monotypy.

Bimanus OPPEL, 1811, p. 45. Type species: *Chamaesaura propus* (= *B. canaliculatus*), by monotypy.

Chirotes CUVIER, 1817, p. 57. Type species: "Bimane cannelé" (= *B. canaliculatus*) by monotypy.

Hemichirotes DUGÈS in Cope, 1894, p. 437. Type species: *Hemichirotes tridactylus*, by monotypy.

Euchirotetes COPE, 1894, p. 436. Type species: *Euchirotetes biporus*, by monotypy.

See discussion in Smith and Taylor (1950b, p. 37).

Bipes biporus (Cope)

Euchirotetes biporus COPE, 1894, p. 436. *Terra typica*: "Cape San Lucas, Lower California" (= Baja California, Mexico). Lectotype: U.S.N.M. No. 21324 (Cochran, 1961, p. 110). Lectopara-types: C.A.S. No. 50187; M.C.Z. No. 11813; U.S.N.M. Nos. 8568, 12599, 21316, 21317, 21320-21325 (La Paz, Baja California, in the catalogue of the United States National Museum).

Euchirotetes diporus COPE, 1896, p. 313. *Lapsus*, hence not available (Stoll and others, 1961, art. 33b).

DISCUSSION OF FORM: Smith and Taylor (1950b, p. 38).

RANGE: The cape region of southern Baja California, Mexico.

Bipes canaliculatus (Bonnaterre)

B. canaliculatus BONNATERRE, 1789, p. 68. *Terra typica*: "Mexico"; restricted to "Mexcala, Guerrero," Mexico (Smith and Taylor, 1950a, p. 332; 1950b, p. 39). Type: Name based on "le cannelé" of La Cépède, 1788, p. 613; possibly M.H.N.P. No. A1151.

Lacerta lumbricoides SHAW, 1795 (1795-1802, vol. 3, pt. 1), p. 212. *Terra typica*: "Mexico." Restricted to "Mexcala, Guerrero," Mexico (Smith and Taylor, 1950b, p. 39). Type: Apparently lost.

Lacerta mexicana DONNDORFF, 1798, p. 135. New name for "le cannelé." *Terra typica*: "Mexico" by implication; restricted to Mexcala, Guerrero," Mexico (Smith and Taylor, 1950b, p. 39).

L.[acerta] sulcata SUCKOW, 1798, p. 147. New name for "le cannelé"; *terra typica* restricted to "Mexcala, Guerrero," Mexico (Smith and Taylor, 1950b, p. 39).

Chamaesaura propus SCHNEIDER, 1801, p. 211. New name for "le cannelé" and *Lacerta lumbricoides* Shaw; *terra typica* restricted to "Mexcala, Guerrero," Mexico (Smith and Taylor, 1950b, p. 39).

DISCUSSION OF FORM: Alvarez (1964, p. 202) and Smith and Taylor (1950a, p. 332; 1950b, p. 39). See Addendum (p. 89).

RANGE: Mexico, basin of the Río Balsas, Guerrero and Michoacan.

Bipes tridactylus (Dugès)

Hemichirotes tridactylus DUGÈS in Cope, 1894, p. 437. DUGÈS, 1894, p. 411. *Terra typica*: "Tecpan de Galeana, Guerrero," Mexico. Holotype: Alfredo Dugès Museum, Guanajuato,

Guanajuato, Mexico (Taylor, 1933, p. 97; Smith and Necker, 1943, p. 180).

DISCUSSION OF FORM: Smith and Taylor (1950b, p. 38).

RANGE: Known from the type only.

GENUS *BLANUS* WAGLER

Blanus WAGLER, 1830, p. 197. Type species: *Amphisbaena cinerea* Vandelli, by monotypy.

See discussion in Bedriaga (1884, p. 23) and Vanzolini (1951b, p. 113).

Blanus cinereus cinereus (Vandelli)

Amphisbaena reticulata HOLMER, 1787, p. 30. *Terra typica*: Unknown. Type: Lost. Petition for suppression of name submitted (Gans, 1961b, p. 223). *Nomen oblitum* (Stoll and others, 1961, art. 23b).

Amphisbaena cinerea BAPTISTA, 1789, p. 25b. *Nomen nudum*; see Frade (1937, p. 257).

Amphisbaena cinerea VANDELLI, 1797, p. 69. *Terra typica*: "Lusitanica" = Portugal. Syntypes: Possibly A.N.S.P. No. 9672, collected by Vandelli and exchanged from the museum at Lisbon, plus others.

Amphisbaena oxyura WAGLER, 1824, p. 72. *Terra typica*: "Environs marécageux de la ville de Rio de Janeiro," Brazil, in error. Probably Iberian Peninsula (Wagler, 1830). Holotype: Not in the old catalogue of the Zoologische Sammlung des Bayerischen Staates with the other Wagler types; probably lost.

Amphisbaena rufa HEMPRICH, 1829, p. 130. *Terra typica*: Unknown. Holotype: Z.M.U. No. 1389 (probably lost, Wermuth *in litt.*).

[*Blanus*] *cinereus* WAGLER, 1830, p. 197. Emendation.

DISCUSSION OF FORM: Mertens (1925b, p. 62, for Spanish records), Gans (1962a, p. 12), Bons (1963, p. 95), and Alexander (1966, p. 221).

RANGE: Iberian Peninsula. Tangier.

Blanus cinereus mettetali Bons

Blanus cinereus mettetali BONIS, 1963, p. 104. *Terra typica*: "Tarmilate (Oulmès-les-Thermes), Maroc." Holotype: M.H.N.P. No. 1963.1015. Paratype: I.S.C.R. No. 339.009 ("Taroudannt, vallée de l'oued Souss").

DISCUSSION OF FORM: Bons (1963, p. 95).

RANGE: Morocco, possibly into Algeria.

Blanus strauchi strauchi Bedriaga

Blanus strauchi BEDRIAGA, 1884, p. 35. *Terra typica*: "Smyrna" (= Izmir, Turkey). Lectotype: B.M. No. 83.7.30.3:RR1946.8.2.9, by present

designation. Paratypes: Z.I.L. No. 5903, plus three once in Bedriaga's personal collection.

DISCUSSION OF FORM: Alexander (1966, p. 221).

RANGE: Western Turkey.

Blanus strauchi aporus Werner

Blanus aporus WERNER, 1898, p. 220. *Terra typica*: "Bei Mersina, cilicischen Taurus," Turkey. Syntypes: B.M. Nos. 1898.4.7.2:RR1946.8.2.15, 1898.4.7.3:RR1946.8.2.16; I.M.Z.U.T. No. 2439; N.M.W. No. 12310.

DISCUSSION OF FORM: Alexander (1966, p. 222).

RANGE: Turkey, east from Xanthus along the Mediterranean coast to Lebanon and Israel, inland to eastern Iraq.

Blanus strauchi bedriagae Boulenger

Blanus bedriagae BOULENGER, 1884, p. 396. *Terra typica*: "River Xantus, Asia Minor," Turkey. Syntypes: B.M. Nos. 54.10.28.24:RR1946.8.2.17, 1946.8.2.30, 1946.8.31.84-1946.8.-31.93.

DISCUSSION OF FORM: Alexander (1966, p. 222).

RANGE: Southwestern Turkey, vicinity of Xanthus.

GENUS *BRONIA* GRAY

Bronia GRAY, 1865, p. 448. Type species: *Bronia brasiliiana*, by monotypy.

See discussion in Vanzolini (1951b, p. 114).

Bronia brasiliiana Gray

Bronia brasiliiana GRAY, 1865, p. 448. *Terra typica*: "Tropical America; Santarem, on the Amazons," Brazil. Holotype: B.M. No. 1946.8.31.77.

DISCUSSION OF FORM: None.

RANGE: Lower Amazon, Santarem to Belem (specimen in the Departamento de Zoologia of São Paulo).

GENUS *CADEA* GRAY

Cadea GRAY, 1844, p. 71. Type species: *Amphisbaena punctata* Bell (= *C. blanoides*), by monotypy.

See discussion in Gans and Alexander (1962, p. 135).

Cadea blanoides Stejneger

Amphisbaena punctata BELL, 1827, p. 236. *Terra typica*: "In Ins. Cubâ." Holotype: B.M. No.

1946.8.2.20. Junior homonym of *A. punctata* Wied, 1825a (= *Leposternon microcephalum* Wagner, 1824).

Cadea blanoides STEJNEGER, 1916, p. 85. New name for *A. punctata*.

DISCUSSION OF FORM: Gans and Alexander (1962, p. 136).

RANGE: Western Cuba and Isla de Piños.

***Cadea palirostrata* Dickerson**

Cadea palirostrata DICKERSON, 1916, p. 659. *Terra typica*: "San Pedro, Isle of Pines, Cuba." Holotype: A.M.N.H. No. 2717. Paratypes: A.M.N.H. No. 2718; M.C.Z. No. 12052 (formerly A.M.N.H. No. 2719).

DISCUSSION OF FORM: Gans and Alexander (1962, p. 139).

RANGE: Isla de Piños.

GENUS *CHIRINDIA* BOULENGER

Chirindia BOULENGER, 1907b, p. 48. Type species: *Chirindia swynnertoni*, by monotypy.

Amphisbaenula STERNFELD, 1911, p. 246. Type species: *Amphisbaenula orientalis*, by original designation.

See discussion in Laurent (1947, p. 54), Vanzolini (1951b, p. 116), and Gans and Rhodes (in press) and the comments under the genus *Amphisbaena*.

***Chirindia bushbyi* Cott**

Chirindia bushbyi COTT, 1934, p. 158. *Terra typica*: "Amatongas," Mozambique. Holotype: B.M. No. 1933.7.1.3:RR1946.8.2.5.

DISCUSSION OF FORM: Loveridge (1941, p. 397), FitzSimons (1943, p. 383), and Bradley (1963b, p. 15).

RANGE: Known from the type only.

***Chirindia ewerbecki ewerbecki* Werner**

Chirindia ewerbecki WERNER, 1910b, p. 37. *Terra typica*: "Banja, 3 Stunden nördlich von Lindi, Deutsch-Ostafrika, an einer Meeresbucht. Boden schwarzsandig, nicht frei von Salz." = Mbanja, 10 miles north of Lindi, Tanganyika (Loveridge, 1941, p. 393). Holotype: Formerly in the Zoologisches Museum in Hamburg; destroyed.

DISCUSSION OF FORM: Loveridge (1941, p. 392; 1962, p. 4) and Gans and Rhodes (in press).

RANGE: Coastal Southern Province, Tanganyika.

***Chirindia ewerbecki nanguruwensis* (Loveridge)**

Amphisbaena (Cynisca) nanguruwensis LOVE-

RIDGE, 1962, p. 5. *Terra typica*: "Nanguruwe, ca. 1600 feet, 8 miles south of Newala, Newala District, Southern Province, Tanganyika." Holotype: M.C.Z. No. 67010. Paratypes: M.C.Z. Nos. 67011-67019 (plus 96 specimens).

DISCUSSION OF FORM: Gans and Rhodes (in press).

RANGE: Nanguruwe and Newala, Southern Province, Tanganyika.

***Chirindia langi* FitzSimons**

Chirindia langi FITZSIMONS, 1939, p. 8. *Terra typica*: "Punda Maira, near the Pafuri River in the north-eastern corner of the Transvaal." Holotype: T.M. No. 19197. Paratype: T.M. No. 19198.

DISCUSSION OF FORM: Loveridge (1941, p. 399) and FitzSimons (1943, p. 381).

RANGE: Known from the types only.

***Chirindia mpwapwaensis* (Loveridge)**

Amphisbaena mpwapwaensis LOVERIDGE, 1932, p. 387. *Terra typica*: "Mpwapwa, Ugogo, Tanganyika Territory." Holotype: M.C.Z. No. 30767. Paratype: M.C.Z. No. 30768.

DISCUSSION OF FORM: Loveridge (1941, p. 391) and Gans and Rhodes (in press).

RANGE: Known from the types only.

***Chirindia orientalis* (Sternfeld)**

Amphisbaenula orientalis STERNFELD, 1911, p. 246. *Terra typica*: "Mikindani," Tanganyika. Syntypes: B.M. No. 1935.2.8.7:RR1946.8.2.18; M.C.Z. No. 21904; Z.M.U. Nos. 22067, 22407 (two specimens), 22408 (two specimens), 22409.

DISCUSSION OF FORM: Loveridge (1941, p. 396) and Gans and Rhodes (in press).

RANGE: Known from the type locality only.

***Chirindia rondoensis* (Loveridge)**

Amphisbaena rondoensis LOVERIDGE, 1941, p. 394. *Terra typica*: "Nchingidi, 2,700 feet, Rondo Plateau, Southern Province, Tanganyika Territory." Holotype: M.C.Z. No. 47951. Paratypes: A.M.N.H. Nos. 64274, 64275; B.M. Nos. 1947.3.1.6, 1947.3.1.7; C.N.H.M. No. 73372 (according to Marx, 1958, p. 452); M.C.Z. Nos. 47952-47999; U.I.M.N.H. No. 41495; U.M.M.Z. No. 86367 (two specimens) (J. A. Peters, 1952, p. 25).

Amphisbaena (Cynisca) newalaensis LOVERIDGE, 1962, p. 4. *Terra typica*: "Newala, on the edge of the Makonde Plateau at 2600 ft., . . . Newala District, Southern Province, Tanganyika." Holotype: M.C.Z. No. 67005. Paratypes: M.C.Z. Nos. 67006-67009; B.M. Nos. 1962.172-1962.176.

DISCUSSION OF FORM: Loveridge (1962, p. 4) and Gans and Rhodes (in press).

RANGE: Rondo and Makonde Plateau, Southern Province, Tanganyika.

Chirindia swynnertoni Boulenger

Chirindia swynnertoni BOULENGER, 1907b, p. 48. *Terra typica*: "Chirindia Forest in S. E. Mashonaland," Southern Rhodesia. Holotype: B.M. No. 1907.7.2.3:RR1946.8.2.36.

DISCUSSION OF FORM: Loveridge (1941, p. 397), FitzSimons (1943, p. 382), and Broadley (1963b, p. 15; 1964, p. 1).

RANGE: Known from the type and two additional specimens from Mozambique (Broadley, 1964).

GENUS **CYNISCA** GRAY

Cynisca GRAY, 1844, p. 71. Type species: *Amphisbaena leucura* Duméril and Bibron, by monotypy.

Ophioproctes BOULENGER, 1878, p. 300. Type species: *Ophioproctes liberiensis*, by monotypy.

Placogaster BOULENGER, 1906, p. 203. Type species: *Placogaster feae*, by monotypy.

See discussion in Laurent (1947, p. 55, who included *Placogaster* here) and Vanzolini (1951b, p. 115), as well as comments under the genus *Amphisbaena*.

Cynisca bifrontalis (Boulenger)

Amphisbaena bifrontalis BOULENGER, 1906, p. 202. *Terra typica*: "Fernand Vaz, French Congo." Holotype: M.S.N.G. No. CE28163.

DISCUSSION OF FORM: Loveridge (1941, p. 383).

RANGE: Known from the type only.

Cynisca degrysi (Loveridge)

Placogaster degrysi LOVERIDGE, 1941, p. 400. *Terra typica*: "Lagos, Sierra Leone." Holotype: Formerly H.M. No. R.K. 1070-E.K. 13179; destroyed.

DISCUSSION OF FORM: Laurent (1947, p. 57).

RANGE: Known from the type only.

Cynisca feae (Boulenger)

Placogaster feae BOULENGER, 1906, p. 203. *Terra typica*: "Cassine River District, Portuguese Guinea." Syntypes: B.M. Nos. 1906.3.30.34:RR1946.9.1.13, 1906.3.30.35:RR1946.9.1.14; M.S.N.G. No. CE28162 (seven specimens).

DISCUSSION OF FORM: Loveridge (1941,

p. 401), Laurent (1947, p. 55), and Manaças (1955, p. 5).

RANGE: Coastal Portuguese Guinea.

Cynisca haughi (Mocquard)

Amphisbaena haughi MOCQUARD, 1904, p. 301. *Terra typica*: "Gabon, à environ 50 kilomètres au sud-ouest de Lambaréné." Holotype: M.H.N.P. No. 01-531.

DISCUSSION OF FORM: Loveridge (1941, p. 384).

RANGE: Known from the type only.

Cynisca kraussi (W. C. H. Peters)

Amphisbaena kraussi W. C. H. PETERS, 1878a, p. 192. *Terra typica*: "Westafrika." Syntypes: Z.M.U. No. 9375; K.M. No. R-4470.

DISCUSSION OF FORM: Loveridge (1941, p. 377; 1948, p. 213).

RANGE: Ghana, Banda Hills, northwest Ashanti.

Cynisca lamottei (Angel)

Amphisbaena lamottei ANGEL, 1943, p. 163. *Terra typica*: "Pierré-Richaud, un des sommets du Mont Nimbá (alt. 850 m.)," Guinea. Holotype: M.H.N.P. No. 1943-65. Paratypes: M.H.N.P. Nos. 1943-63, 1943-64 (Kéoulenta, Mt. Nimbá, altitude 500 meters).

DISCUSSION OF FORM: Angel, Guibé, and Lamotte (1954, p. 378).

RANGE: Known from the types only.

Cynisca leonina (F. Müller)

Amphisbaena leonina F. MÜLLER, 1885, p. 700. *Terra typica*: "Tumbo Insel," Los Archipelago, Guinea. Holotype: N.M.B. No. 3806.

DISCUSSION OF FORM: Loveridge, (1941, p. 379).

RANGE: Coastal Portuguese Guinea and Los Archipelago.

Cynisca leucura (Duméril and Bibron)

Amphisbaena leucura DUMÉRIL AND BIBRON, 1839, p. 498. *Terra typica*: "La côte de Guinée." Holotype: R.M.N.H. No. 3555.

Amphisbaena macrura DUMÉRIL AND BIBRON, 1839, p. 499. Manuscript name for type of *A. leucura*; unavailable as published in synonymy (Stoll and others, 1961, art. 11d).

Amphisbaena petersii BOULENGER, 1906, p. 201. *Terra typica*: "Gold Coast; and Jebba, Upper Niger, Nigeria." Syntypes: B.M. No. 93.9.6.1:RR1946.8.2.19 (Gold Coast); B.M. Nos. 99.8.23.10:RR1946.8.31.74, 99.8.23.11:RR1946.8.31.75 (Jebba, Upper Niger, Nigeria).

DISCUSSION OF FORM: Loveridge, (1941, p. 377; 1952, p. 242).

RANGE: West Africa, Liberia to Nigeria.

***Cynisca liberiensis* (Boulenger)**

Ophioproctes liberiensis BOULENGER, 1878, p. 301. *Terra typica*: "Liberia." Holotype: I.R.Sc.-N.B. No. 2005.

DISCUSSION OF FORM: Loveridge (1941, p. 381).

RANGE: Liberia.

***Cynisca mulleri* (Strauch)**

Cynisca sp.? F. MÜLLER, 1878, pp. 622, 704. *Terra typica*: "Akropong," Ghana. Lectotype: N.M.B. No. 3808, by present designation of the illustrated specimen. Lectoparatype: N.M.B. No. 3807.

Amphisbaena mulleri STRAUCH, 1881, col. 68. Based on F. Müller's specimens, plus one (lectoparatype) specimen from "Sierra Leone," S.M.N.S. No. 388.

DISCUSSION OF FORM: Loveridge (1941, p. 379).

RANGE: Ghana to Sierra Leone.

***Cynisca oligopholis* (Boulenger)**

Amphisbaena oligopholis BOULENGER, 1906, p. 201. *Terra typica*: "Cassine River District, Portuguese Guinea." Syntypes: B. M. Nos. 1906.3.30.32:RR1946.8.2.46, 1906.3.30.33:RR-1946.8.2.47; M.S.N.G. No. 28164 (six specimens).

DISCUSSION OF FORM: Loveridge (1941, p. 380).

RANGE: Known from the types only.

***Cynisca schaeferi* (Sternfeld)**

Chirindia schaeferi STERNFELD, 1912b, p. 250. *Terra typica*: "Japoma (Kamerun)." Holotype: Z.M.U. No. 22367.

DISCUSSION OF FORM: Loveridge (1941, p. 384). Laurent (1947, p. 55) suggested that this species belongs in this genus.

RANGE: Known from the type only.

GENUS GEOCALAMUS GÜNTHER

Geocalamus GÜNTHER, 1880, p. 234. Type species: *Geocalamus modestus*, by monotypy.

See discussion in Loveridge (1941, p. 401) and Vanzolini (1951b, p. 114).

***Geocalamus acutus* Sternfeld**

Geocalamus acutus STERNFELD, 1912a, p. 209. *Terra typica*: "Voi (Brit. Ostafrika)" and

"Deutsch Ostafrika"; restricted to "Kenya Colony, Voi" (Loveridge, 1941, p. 405). Syntypes: Z.M.U. Nos. 21941, 22297.

Geocalamus noltei BOETTGER, 1913, p. 270. *Terra typica*: "Moschi, Kilimandscharo," Tanganyika. Holotype: S.M.F. No. 11831 (formerly 5433a).

DISCUSSION OF FORM: Loveridge (1941, p. 403).

RANGE: Southeastern Kenya and northeastern Tanganyika.

***Geocalamus modestus* Günther**

Geocalamus modestus GÜNTHER, 1880, p. 234. *Terra typica*: "Mpwapwa, which is about 200 miles inland of the coast opposite Zanzibar," Tanganyika. Syntypes: B.M. Nos. 79.11.13.8:-RR1946.9.1.10-79.11.13.10:RR1946.9.1.12.

DISCUSSION OF FORM: Loveridge (1941, p. 402).

RANGE: Central Tanganyika.

GENUS LEPOSTERNON WAGLER

Leposternon WAGLER, 1824, p. 70. Type species: *Leposternon microcephalus*, by monotypy.

Leplosternon GRAY, 1825, p. 204. Emendation.

Lepidosternon WAGLER, 1830, p. 197. Emendation.

Cephalopeltis J. MÜLLER, 1832, p. 256. Type species: *Cephalopeltis cuvierii* (= *L. scutigerum* Hemprich), by monotypy.

Leposternum AGASSIZ, 1848, p. 205. Emendation.

[*Sphenocephalus* GRAY, 1865, p. ? Cited from Romer, 1957. Not found.]

See discussion in Vanzolini (1951b, p. 121). This genus clearly represents the greatest remaining *lacuna* in our knowledge of amphisbaenid species. It has never been revised, and some of the types have been lost. Dr. P. E. Vanzolini informs me that he is currently revising it. Citations of specimens and localities without descriptions have been ignored below.

***Leposternon affine* (Boettger)**

Lepidosternum affine BOETTGER, 1885, p. 223. *Terra typica*: "Paraguay, America meridionale." Holotype: Naturhistorisches Institut Linnea, Frankfurt-am-Main; now Z.I.L. No. 6654.

DISCUSSION OF FORM: Hellmich (1960, p. 100) included *L. boettgeri* and *pfefferi*(?) here.

RANGE: Argentina to Paraguay.

Leposternon boettgeri (Boulenger)

Lepidosternon boettgeri BOULENGER, 1885, p. 466. *Terra typica*: "Corrientes, Argentina." Holotype: B.M. No. 81.11.5.1:RR1946.8.8.59.

DISCUSSION OF FORM: Hellmich (1960, p. 100) included this form in *L. affine*.

RANGE: Known from the type only.

Leposternon borellii (Peracca)

Lepidosternum borellii PERACCA, 1895a, p. 10. *Terra typica*: "Chaco argentino (Resistencia)." Holotype: I.M.Z.U.T. No. 971.

DISCUSSION OF FORM: Hellmich (1960, p. 101).

RANGE: Known from the type only.

Leposternon boulengeri (Boettger)

Lepidosternum boulengeri BOETTGER, 1885, p. 220. *Terra typica*: "Paraguay, America meridionale." Holotype: Naturhistorisches Institut Linnea, Frankfurt-am-Main; now Z.I.L. No. 6656.

DISCUSSION OF FORM: Hellmich (1960, p. 101).

RANGE: Argentina and Paraguay.

Leposternon camerani (Peracca)

Lepidosternum camerani PERACCA, 1895a, p. 12. *Terra typica*: "Luque (Paraguay)." Holotype: I.M.Z.U.T. No. 972.

DISCUSSION OF FORM: Hellmich (1960, p. 102).

RANGE: Known from the type only.

Leposternon carcani (Peracca)

Lepidosternon carcani PERACCA, 1904, p. 5. *Terra typica*: "Tebicuari," Paraguay. Holotype: I.M.Z.U.T. No. 2750.

DISCUSSION OF FORM: Hellmich (1960, p. 102).

RANGE: Known from the type only.

Leposternon crassum (Strauch)

Lepidosternon crassum STRAUCH, 1881, col. 106. *Terra typica*: "Brasilien." Holotype: Z.I.L. No. 316.

DISCUSSION OF FORM: None.

RANGE: Known from the type only.

Leposternon guntheri (Strauch)

Lepidosternon guntheri STRAUCH, 1881, col. 110. *Terra typica*: "Unbekannt, wahrscheinlich Brasilien." Holotype: Z.I.L. No. 313.

DISCUSSION OF FORM: None.

RANGE: Known from the type only.

Leposternon infraorbitale (Berthold)

Lepidosternon infraorbitale BERTHOLD, 1859, p. 179. *Terra typica*: "Bahia," Brazil. Holotype: G.U.M. (no number).

DISCUSSION OF FORM: None.

RANGE: Known from the type only.

Leposternon laticeps (Peracca)

Lepidosternon laticeps PERACCA, 1904, p. 3. *Terra typica*: "Urucum," Mato Grosso, Brazil. Syntypes: I.M.Z.U.T. No. 2749 (three specimens).

DISCUSSION OF FORM: Hellmich (1960, p. 103).

RANGE: Known from the type only.

Leposternon latifrontale (Boulenger)

Lepidosternum latifrontale BOULENGER, 1894, p. 344. *Terra typica*: "Near Asuncion, Paraguay." Syntypes: B.M. Nos. 94.3.14.27:RR1946.8.8.87-94.3.14.36:RR1946.8.8.95.

DISCUSSION OF FORM: Hellmich (1960, p. 103).

RANGE: Paraguay.

Leposternon microcephalum Wagler

Leposternon microcephalus WAGLER, 1824, p. 70. *Terra typica*: "Dans les environs du village Mandiocca, . . . près de la montagne dos Orgãos, sur un grand chemin bordé d'arbres," Rio de Janeiro, Brazil. Holotype: Z.S.M. No. 31500.

Amphisbaena punctata WIED, 1825b, p. 500. *Terra typica*: "Bei Rio de Janeiro und am Flusse Espirito Santo," Brazil. Type: Probably lost (not in the American Museum of Natural History with other Wied types). Senior homonym of *A. punctata* Bell (= *Cadea blanoides*).

Leposternon microcephalum FITZINGER, 1826, p. 53. Justifiable emendation.

Lepidosternon maximiliani WIEGMANN, 1834, p. 21. New name for *A. punctata* Wied.

Lepidosternon macrocephalum A. SMITH, 1848 (1834-1849), pl. 67. *Lapsus* for *L. microcephalum*, not available (Stoll and others, 1961, art. 33b).

DISCUSSION OF FORM: Hellmich (1960, p. 104). This is the oldest name, and a catch-all, and it has consequently achieved a surprising number of references.

RANGE: Southeastern Brazil, Rio de Janeiro to Santa Catarina.

Leposternon octostegum (Duméril)

Lepidosternon octostegum DUMÉRIL, 1851, p. 149. *Terra typica*: "Brésil." Holotype: M.H.N.P. No. 7055.

DISCUSSION OF FORM: None.

RANGE: Known from the type only.

Leposternon onychocephalum (Boettger)

Lepidosternum onychocephalum BOETTGER, 1885, p. 224. *Terra typica*: "Paraguay, America Meridionale." Holotype: Naturhistorisches Institut Linnea, Frankfurt-am-Main; now Z.I.L. No. 6653.

DISCUSSION OF FORM: Hellmich (1960, p. 105).

RANGE: Known from the type only.

Leposternon petersi (Strauch)

Lepidosternum petersi STRAUCH, 1881, col. 103. *Terra typica*: "Brasilien." Holotype: Z.M.U. No. 1396.

DISCUSSION OF FORM: None.

RANGE: Known from the type only.

Leposternon pfefferi (Werner)

Lepidosternum pfefferi WERNER, 1910, p. 35. *Terra typica*: "Paraguay." Holotype: Formerly in the Zoologischen Museum, Hamburg; destroyed.

DISCUSSION OF FORM: Hellmich (1960, pp. 101, 106) listed this species as a possible synonym of *L. affine*.

Leposternon phocaena (Duméril and Bibron)

Lepidosternum phocaena DUMÉRIL AND BIBRON, 1839, p. 507. *Terra typica*: "Buenos-Ayres," Argentina. Holotype: M.H.N.P. No. A488.

DISCUSSION OF FORM: Hellmich (1960, p. 106).

RANGE: Known from the type only.

Leposternon polystegoides Schmidt

Leposternum polystegoides SCHMIDT, 1936, p. 31. *Terra typica*: "Lake Papary, Rio Grande do Norte," Brazil. Holotype: C.A.S. No. 49866. Paratypes: C.A.S. Nos. 49375, 49533, 49534, 49863; C.N.H.M. Nos. 64425, 64426.

DISCUSSION OF FORM: None.

RANGE: Known from the types only.

Leposternon polystegum (Duméril)

Lepidosternum polystegum DUMÉRIL, 1851, p. 149. *Terra typica*: "Bahia," Brazil. Holotype: M.H.N.P. No. A5124.

Lepidosternum grayii GRAY, 1865, p. 452. Name attributed to A. Smith MS. *Terra typica*: "South America?." Holotype: B.M. No. 48.6.26.11:-RR1946.9.1.7.

DISCUSSION OF FORM: Schmidt (1936, p. 31).

RANGE: Bahia, Brazil.

Leposternon rostratum (Strauch)

Lepidosternum rostratum STRAUCH, 1881, col. 99. *Terra typica*: "Bahia." Syntypes: Z.I.L. Nos. 314, 315.

DISCUSSION OF FORM: None.

RANGE: Known from the types only.

Leposternon scutigerum (Hemprich)

Amphisbaena scutigera HEMPRICH, 1829, p. 129. *Terra typica*: "Brasilien." Holotype: Z.M.U. No. 1398.

Cephalopeltis cuvieri J. MÜLLER, 1832, p. 256. *Terra typica*: "Brésil." Holotype: Possibly M.H.-N.P. No. A-5125.

Lepidosternum hemprichii WIEGMANN AND RUTHE, 1831, p. 186. New name for *Amphisbaena scutigera* Hemprich. Redescription in Wiegmann (1834, p. 20).

Lepidosternum scutigerum DUMÉRIL AND BIBRON, 1839, p. 509. Emendation.

DISCUSSION OF FORM: None.

RANGE: Brazil.

Leposternon sinuosum (Peracca)

Lepidosternum sinuosum PERACCA, 1895b, p. 1. *Terra typica*: "Brasile." Holotype: I.M.Z.U.T. No. 1108.

DISCUSSION OF FORM: Amaral (1937a, p. 203) assigned this species to the synonymy of *L. wuchereri*.

RANGE: Known from the type only.

Leposternon strauchi (Boettger)

Lepidosternum strauchi BOETTGER, 1885, p. 221. *Terra typica*: "Paraguay, America meridionale." Holotype: Naturhistorisches Institut Linnea, Frankfurt-am-Main; now Z.I.L. No. 6655.

DISCUSSION OF FORM: Hellmich (1960, p. 106).

RANGE: Known from the type only.

Leposternon wuchereri (W. C. H. Peters)

Lepidosternum wuchereri W. C. H. PETERS, 1879, p. 276. *Terra typica*: "Bahia," Brazil. Holotype: Z.M.U. No. 9389.

DISCUSSION OF FORM: Amaral (1937a, p. 203) included *L. sinuosum* in a discussion of this form.

RANGE: Known from the type only.

GENUS **LOVERIDGEA** VANZOLINI

Loveridgea VANZOLINI, 1951b, p. 114. Type species: *Amphisbaena phylofiniens* Tornier, by original designation.

See discussion in Laurent (1947, p. 52) who considered *Loveridgea*, "*A.*" *violacea*, and *Zygaspis* as African representatives of *Amphisbaena*.

***Loveridgea ionidesi* (Battersby)**

Amphisbaena ionidesi BATTERSBY, 1950, p. 413. *Terra typica*: "Liwale," 10° S × 38° E, Southern Province, Tanganyika." Holotype: B.M. No. 1948.1.7.84. Paratypes: (185 total) B.M. Nos. 1948.1.7.85–1948.1.7.93, 1949.1.6.1–1949.1.6.99, 1949.1.7.1–1949.1.7.52; I.R.Sc.N.B. No. 2368; M.C.Z. Nos. 50040–50065.

DISCUSSION OF FORM: Loveridge (1951, p. 184; 1955, p. 178).

RANGE: Southern District, Tanganyika.

***Loveridgea phylofiniens* (Tornier)**

Amphisbaena phylofiniens TORNIER, 1899, p. 260. *Terra typica*: "Udjiji, Deutsch-Ost-Africa" = Tanganyika. Syntypes: Z.M.U. No. 15669 (two specimens).

DISCUSSION OF FORM: Loveridge (1941, p. 390).

RANGE: Vicinity of Udjiji, Tanganyika.

GENUS MESOBAENA MERTENS

Mesobaena MERTENS, 1925a, p. 170. Type species: *Mesobaena huebneri*, by original designation.

See discussion in Vanzolini (1951b, p. 115).

***Mesobaena huebneri* Mertens**

Amphisbaena huebneri BOETTGER in Anonymous, 1896, p. lv. *Nomen nudum* (cf. Mertens, 1925a, p. 171).

Mesobaena huebneri MERTENS, 1925a, p. 170. *Terra typica*: "Inirida, Süd-Venezuela" = Colombia. Holotype: S.M.F. No. 11829 (formerly No. 5450, 2a).

DISCUSSION OF FORM: Mertens (1926, p. 149).

RANGE: Known from the type and four other as yet unpublished specimens, two collected in the vicinity of the type locality and now in the collections of Carl Gans and the Field Museum of Natural History and two collected in Amazonian Venezuela and now in the Museu de Biologia, Universidad Central de Venezuela.

GENUS MONOPELTIS A. SMITH

Monopeltis A. SMITH, 1848 (1834–1849), pl. 67. Type species: *Monopeltis capensis*, by monotypy.

Monaspis A. SMITH, 1848 (1834–1849), pl. 67.

Alternate name for *Monopeltis*, used in plate caption only.

Phractogonus HALLOWELL, 1852, p. 62. Type species: *Phractogonus galeatus*, by monotypy.

Monotrophis GRAY, 1865, p. 454. Type species: *Monotrophis capensis* A. Smith. *Lapsus*, hence not available (Stoll and others, 1961, art. 33b).

Dalophia GRAY, 1865, p. 454. Type species: *Dalophia welwitschii*, by monotypy.

See discussion in Laurent (1947, p. 57) and Vanzolini (1951b, p. 121).

***Monopeltis adercae* Witte**

Monopeltis adercae WITTE, 1953, p. 82. *Terra typica*: "Bukena près Mulongo (distr. Ht. Lomami [altitude 617 meters], . . . sources chaudes de Kiabukwa, Parc National Upemba," Congo. Holotype: I.R.Sc.N.B. No. 2067.

Monopeltis adercai LAURENT, 1956, p. 242. Emendation.

DISCUSSION OF FORM: Witte (1954, p. 1007).

RANGE: Lualaba and Tanganyika districts, Congo.

***Monopeltis anchietae* (Bocage)**

Lepidosternon (Phractogonus) anchietae BOCAGE, 1873, p. 247. *Terra typica*: "Humbe, dans l'intérieur de Mossamedes, près des Bords de la rivière Cunene," Angola. Holotype: In the museum in Lisbon?

Monopeltis quadriscutata WERNER, 1910a, p. 328. *Terra typica*: "Deutsch-Südwestafrika."¹ Syntypes: Formerly in the Zoologisches Museum, Hamburg; destroyed.

Monopeltis okavangensis MONARD, 1931, p. 95. *Terra typica*: "Vila da Ponte et de Caquindo," Angola. Syntypes: L.C.F.M. (unnumbered); N.M.B. No. 13331 (Kakindo); L.C.F.M. (unnumbered) (Vila da Ponte).

Monopeltis devisi MONARD, 1937, p. 69. *Terra typica*: "Mupa," Angola. Holotype: L.C.F.M. (unnumbered).

DISCUSSION OF FORM: Loveridge (1941, p. 410) included *M. leonhardi* in this species. FitzSimons (1943, p. 396) and Broadley (1962, p. 823).

¹ Loveridge (1941, p. 410) listed "Farm 'Neitsas,' Grootfontein" as partial type locality, implying that the three specimens cited by Werner (1910b, p. 33) were all syntypes. However, Werner clearly mentioned the fact that the "Neitsas" specimen was new and referred to one of the other two as the type. Unfortunately the "Neitsas" specimen is the only one that was not destroyed.

RANGE: From southern Angola southward to Damaraland.

***Monopeltis capensis capensis* A. Smith**

Monopeltis capensis A. SMITH, 1848 (1834-1849), pl. 67. *Terra typica*: "24° Lat. S.," South Africa. Syntypes: B.M. Nos. 65.5.4.179:RR1946.-8.31.96, RR1946.8.31.97 (cf. FitzSimons, 1937a, p. 267).

DISCUSSION OF FORM: Loveridge (1941, p. 423), FitzSimons (1943, p. 391), and Broadley (1962, p. 823).

RANGE: Northwestern Orange Free State and northern Cape Province, extending northward to the northwestern Transvaal and southern Angola.

***Monopeltis capensis gizei* FitzSimons**

Monopeltis capensis gizei FITZSIMONS, 1937b, p. 278. *Terra typica*: "Junction of the Magalakwin and Limpopo Rivers, Zoutpansberg District, Northern Transvaal." Holotype: T.M. No. 13342. Paratype: T.M. No. 3477 (N'Wanedzi River, Zoutpansberg District).

DISCUSSION OF FORM: Loveridge (1941, p. 422) and FitzSimons (1943, p. 393).

RANGE: Known from the types only.

***Monopeltis decosteri* Boulenger**

Monopeltis decosteri BOULENGER, 1910, p. 495. *Terra typica*: "Delagoa Bay," Mozambique. Holotype: S.A.M. No. 650.

DISCUSSION OF FORM: Loveridge (1941, p. 426), FitzSimons (1937b, p. 277; 1943, p. 395), and Broadley (1963, p. 8).

RANGE: Known from the type only.

***Monopeltis galeata* (Hallowell)**

Phractogonus galeatus HALLOWELL, 1852, p. 62. *Terra typica*: "Liberia, West Coast of Africa"; corrected by Hallowell, 1857, p. 50 to "Gaboos Country, West Africa." Lectotype: A.N.S.P. No. 9684 (Schmidt, 1919, p. 603). Lectoparatype: A.N.S.P. No. 9683; possibly also A.N.S.P. No. 9682, labeled "Corisco, W. Africa" (cf. Schmidt, *ibid.*).

Monopeltis (*Phractogonus*) *magnipartitum* W. C. H. PETERS, 1879, p. 276. *Terra typica*: "Angeblich von Gabun." Holotype: Z.M.U. No. 7654.

Lepidosternum galeatum STRAUCH, 1881, col. 121. Emendation.

Lepidosternum dumerilii STRAUCH, 1881, col. 122. *Terra typica*: "West-Afrika (Gabon)." Syntypes: M.H.N.P. Nos. 54-07, 5358, plus one specimen.

Lepidosternon magnipartitum STRAUCH, 1881, col. 124. Emendation.

Monopeltis galeata BOULENGER, 1885, p. 457. Emendation.

Monopeltis magnipartita BOULENGER, 1885, p. 458. Emendation.

Monopeltis unirostralis MOCQUARD, 1903, p. 210. *Terra typica*: "Gabon." Holotype: M.H.N.P. No. 01-532.

Monopeltis boveei MOCQUARD, 1903, p. 211. *Terra typica*: "Fernand Vaz (Congo français)." Syntypes: M.H.N.P. Nos. 02-421, 02-422.

DISCUSSION OF FORM: Loveridge (1941, p. 417).

RANGE: Gabon, French Equatorial Africa.

***Monopeltis guentheri* Boulenger**

Monopeltis guentheri BOULENGER, 1885, p. 456. *Terra typica*: "Congo." Syntypes: B.M. Nos. 85.3.9.1:RR1946.8.2.25-85.3.9.5:RR1946.8.2.29.

Monopeltis boulengeri BOETTGER, 1887, p. 649. *Terra typica*: "Kinshassa, prope Stanley-Pool, Congo." Holotype: S.M.F. No. 11832.

DISCUSSION OF FORM: Loveridge (1941, p. 419) and Witte (1954, p. 995).

RANGE: Western Congo and French Congo.

***Monopeltis habenichti* FitzSimons**

Monopeltis habenichti FITZSIMONS, 1937b, p. 276. *Terra typica*: "Lourenço Marques, Portuguese East Africa" (Mozambique). Holotype: T.M. No. 3400. Paratypes: T.M. Nos. 3401, 3402.

DISCUSSION OF FORM: Loveridge (1941, p. 426), FitzSimons (1943, p. 394), and Manaças (1957, p. 6).

RANGE: Known from the type locality and Manhinga, Mozambique.

***Monopeltis jugularis* W. C. H. Peters**

Monopeltis (*Phractogonus*) *jugularis* W. C. H. PETERS, 1880, p. 219. *Terra typica*: "Westafrika." Holotype: Z.M.U. No. 9636.

Lepidosternon jugulare STRAUCH, 1881, col. 124. Emendation.

Lepidosternon koppenfelsii STRAUCH, 1881, col. 124. *Terra typica*: "West-Afrika (Gabon)." Holotype: S.M.N.S. No. 2038a.

Monopeltis semipunctata BOETTGER, 1893, p. 89. *Terra typica*: "Kamerun." Holotype: Lübeck Museum No. 191; destroyed.

DISCUSSION OF FORM: Loveridge (1941, p. 416).

RANGE: Gabon, French Equatorial Africa.

Monopeltis kabindae Witte and Laurent

Monopeltis kabindae WITTE AND LAURENT, 1942, p. 76. *Terra typica*: "Kabinda (Katanga)," Congo. Holotype: R.G.M.C. No. 6773.

DISCUSSION OF FORM: Witte (1954, p. 1007).

RANGE: Known from the type only.

Monopeltis leonhardi Werner

Monopeltis leonhardi WERNER, 1910a, p. 328. *Terra typica*: "Kalahari, zwischen Kgokong und Kang," Bechuanaland. Holotype: Originally in Zoologisches Museum, Hamburg; destroyed.

Monopeltis vernayi FITZSIMONS, 1932, p. 36. *Terra typica*: "Gomodimo, Central Kalahari," Bechuanaland. Holotype: T.M. No. 14468.

DISCUSSION OF FORM: Loveridge (1941, p. 410) considered this species a synonym of *M. anchietae*, and FitzSimons (1943, p. 398) retained it as a separate species.

RANGE: Bechuanaland, Kalahari, and areas immediately adjoining.

Monopeltis mauricei Parker

Monopeltis mauricei PARKER, 1935, p. 582. *Terra typica*: "Monjalatsela, near Ghanzi, Bechuanaland." Holotype: B.M. No. 1933.9.9.14:-RR1946.8.2.37.

DISCUSSION OF FORM: Loveridge (1941, p. 408) and FitzSimons (1943, p. 400).

RANGE: Known from the type only.

Monopeltis ocularis FitzSimons

Monopeltis ocularis FITZSIMONS, 1941, p. 277. *Terra typica*: "Swart Modder, Rietfontein," Cape Province. Holotype: McGregor Museum, Kimberley, Cape Province (unnumbered).

DISCUSSION OF FORM: FitzSimons (1943, p. 390) and Broadley (1962, p. 824).

RANGE: Cape Province, Bechuanaland, into Northern Rhodesia.

Monopeltis remaclei Witte

Monopeltis remaclei WITTE, 1933, p. 168. *Terra typica*: "Lukulu près de Kiambi," Congo. Holotype: R.G.M.C. No. 8692.

DISCUSSION OF FORM: Witte (1954, p. 998).

RANGE: Tanganyika district, Congo.

Monopeltis scalper scalper (Günther)

Phractogonus scalper GÜNTHER, 1876, p. 678. *Terra typica*: "Angola." Holotype: B.M. No. 76.7.1.2.:RR1946.8.9.1.

Lepidosternon scalprum STRAUCH, 1881, col. 124. Emendation.

DISCUSSION OF FORM: Loveridge (1941, p. 413) and Laurent (1954, p. 68).

RANGE: Known from the type only.

Monopeltis scalper bulsi Laurent

Monopeltis scalper bulsi LAURENT, 1954, p. 68. *Terra typica*: "Kamina, Haut Lomami," Congo. Holotype: R.G.M.C. No. 16179. Paratypes: R.G.M.C. Nos. 15917, 16015, 16016, 16178.

DISCUSSION OF FORM: Laurent (1956, p. 243) suggested that the form may be a full species.

RANGE: Central Katanga, Congo.

Monopeltis scalper gerardi Boulenger

Monopeltis gerardi BOULENGER, 1913, p. 392. *Terra typica*: "Kikondja (Katanga)," Congo. Holotype: R.G.M.C. No. 1201.

DISCUSSION OF FORM: Witte (1954, p. 1004) and Laurent (1964, p. 86).

RANGE: Lualaba district, Congo.

Monopeltis schoutedeni Witte

Monopeltis schoutedeni WITTE, 1933, p. 170. *Terra typica*: "Kunungu," Congo. Holotype: R.G.M.C. No. 8766.

DISCUSSION OF FORM: Loveridge (1941, p. 420) and Witte (1954, p. 997).

RANGE: Middle Congo and Lac Léopold II districts, Congo.

Monopeltis sphenorhynchus W. C. H. Peters

Lepidosternon sphenorhynchum GRAY, 1865, p. 454. Peters' MS name cited without description; hence a *nomen nudum*.

Monopeltis sphenorhynchus W. C. H. PETERS, 1879, p. 275. *Terra typica*: "Moçambique und Angola"; restricted to "Inhambane, Mozambique" (Loveridge, 1941, p. 427). Syntypes: Z.M.U. Nos. 1400, 9424 (Inhambane); Z.M.U. No. 9000 (two specimens) (Humbe).

DISCUSSION OF FORM: Loveridge (1941, p. 427) and Broadley (1962, p. 824; 1963a, p. 8).

RANGE: Mozambique to Nyasaland, into Southern Rhodesia.

Monopeltis vanderysti vanderysti Witte

Monopeltis vanderysti WITTE, 1922, p. 66. *Terra typica*: "Wombali; Leverville (dist. de Kwango); Lac Léopold II; Kasai," Congo; herein restricted to "Wombali (dist. Lac Léopold II), Congo." Lectotype (by present selection): R.G.M.C. No.

1872. Lectoparatypes: R.G.M.C. No. 897 (Lac Léopold II); R.G.M.C. No. 962 (Kasai); R.G.M.C. No. 2309 (Leverville, Kwango).

DISCUSSION OF FORM: Loveridge (1941, p. 414) considered this form a full species. Witte (1954, p. 1000) listed the last two mentioned paratypes as examples of *M. v. lujae*. As he did not select a lectotype of *M. v. vanderysti*, I here select it, and restrict the type locality accordingly.

RANGE: Lower Congo, Middle Congo, and Lac Léopold II districts, Congo.

***Monopeltis vanderysti closei* Laurent**

Monopeltis vanderysti closei LAURENT, 1954, p. 68. *Terra typica*: "Kahemba, Kwango, B.C.," Congo. Holotype: R.G.M.C. No. 14502. Paratypes: R.G.M.C. No. 11953; also R.G.M.C. No. 14581, possibly from Leopoldville.

DISCUSSION OF FORM: None.

RANGE: Western Congo, known from types and a Leopoldville specimen.

***Monopeltis vanderysti lujae* Witte**

Monopeltis lujae WITTE, 1922, p. 67. *Terra typica*: "Lubué," Kwango district, Kasai, Congo. Holotype: R.G.M.C. No. 505.

DISCUSSION OF FORM: Loveridge (1941, p. 367) and Witte (1954, p. 1002; see note under nominate race).

RANGE: Kwango district, Congo.

***Monopeltis vanderysti vilhenai* Laurent**

Monopeltis vanderysti vilhenai LAURENT, 1954, p. 66. *Terra typica*: "Région de Dundo (Angola)." Holotype: R.G.M.C. No. 17503. Paratype: R.G.M.C. No. 17504.

DISCUSSION OF FORM: Laurent (1964, p. 84).

RANGE: Known from the types and six other specimens.

***Monopeltis welwitschii* (Gray)**

Dalophia welwitschii GRAY, 1865, p. 455. *Terra typica*: "Angola; Pungo Andongo." Syntypes: B.M. Nos. 64.7.13.34:R1946.8.20.89, 64.7.13.35:-RR1946.8.20.90.

DISCUSSION OF FORM: Loveridge (1941, p. 431) and Laurent (1947, p. 57).

RANGE: Known from the types only (cf. Witte, 1954, p. 1002, for correction of erroneous records).

GENUS RHINEURA COPE

Rhineura COPE, 1861a, p. 75. Type species: *L.[epidosternum] floridanum* Baird, by monotypy.

See discussion by H. M. Smith (1946, p. 431), Vanzolini (1951b, p. 116), and Gans (in press).

***Rhineura floridana* (Baird)**

Lepidosternon floridanum BAIRD, 1858, p. 255. *Terra typica*: "Micanopy, Florida." Holotype: U.S.N.M. No. 3203.

DISCUSSION OF FORM: H. M. Smith (1946, p. 431), Neill (1951, p. 177), and Gans (in press).

RANGE: North-central Florida.

GENUS TOMUROPALTIS LAURENT

Tomuropeltis LAURENT, 1947, p. 58. Type species: *M. giganteus* Peracca, by original designation.

See discussion in Laurent (1964, p. 87) who has published some tentative remarks that would change the status of several of the forms. Since his tentative opinions were apparently based on statements in the literature regarding the forms, and since he did not mention FitzSimons' earlier work (1943), his opinions are cited but not followed.

***Tomuropeltis ellenbergeri* (Angel)**

Monopeltis ellenbergeri ANGEL, 1920, p. 615. *Terra typica*: "Lealui Dist. (Haut-Zambèze)." Syntypes: M.H.N.P. Nos. 20.78-20.80.

DISCUSSION OF FORM: Loveridge (1941, p. 433). FitzSimons (1943, p. 388) considered this species a synonym of *T. granti colobura*.

RANGE: Known from the types only.

***Tomuropeltis gigantea* (Peracca)**

Monopeltis giganteus PERACCA, 1903, p. 1. *Terra typica*: "Congo." Syntypes: I.M.Z.U.T. No. 2844, M.S.N.G. No. C.E.36071.

Monopeltis truncata WITTE, 1922, p. 68. *Terra typica*: "Kwango," Congo. Holotype: R.G.M.C. No. 32.

Dalophia gigantea LOVERIDGE, 1941, p. 429. Emendation.

DISCUSSION OF FORM: Loveridge (1941, p. 429) and Witte (1954, p. 991).

RANGE: Kwango district, Congo.

***Tomuropeltis granti granti* (Boulenger)**

Monopeltis granti BOULENGER, 1907c, p. 485. *Terra typica*: "Beira, Portuguese East Africa."

Holotype: B.M. No. 1907.4.29.33:RR1946.8.31.-98.

Monopeltis mossambica COTT, 1934, p. 155. *Terra typica*: "Caia," Mozambique. Holotype: B.M. No. 1933.7.1.2:RR1946.8.31.99. Paratype: B.M. No. 1933.7.1.86.

DISCUSSION OF FORM: Loveridge (1941, p. 434) considered this form a synonym of *T. pistillum*. FitzSimons (1943, p. 386). Laurent (1964, p. 88) considered *granti* possibly a synonym of *pistillum*, and *mossambica* a valid species or race.

RANGE: Portuguese East Africa (= Mozambique) from Beira to Mozambique.

***Tomuropeltis granti colobura* (Boulenger)**

Monopeltis colobura BOULENGER, 1910, p. 495. *Terra typica*: "Sesheke, Barotseland," Northern Rhodesia. Syntypes: B.M. No. 1910.6.18.11:RR1946.8.8.96; S.A.M. No. 4663.

Monopeltis? colobura (longicauda n. sp.?) WERNER, 1915, p. 340. *Terra typica*: "Okavango," South-West Africa. Holotype: Formerly in the Zoologisches Museum, Hamburg; destroyed.

DISCUSSION OF FORM: Loveridge (1941, p. 432) considered this form a synonym of *T. pistillum*, and *T. longicauda* a full species. FitzSimons (1943, p. 388) included *T. ellenbergeri* in synonymy. Laurent (1964, p. 88) considered *colobura* a valid species, distinct from *granti*, and with *luluae* as a subspecies.

RANGE: Upper Zambezi district, Barotseland, and northeastern parts of South-West Africa.

***Tomuropeltis granti transvaalensis* (FitzSimons)**

Monopeltis granti transvaalensis FITZSIMONS, 1933, p. 277. *Terra typica*: "Hope, between Nylstroom and Vaalwater, Waterberg District, northern Transvaal." Holotype: T.M. No. 14354. Paratype: T.M. No. 14353.

DISCUSSION OF FORM: Loveridge (1941, p. 434) considered this form a synonym of *T. pistillum*. FitzSimons (1943, p. 389). Laurent (1964, p. 88) considered it a possible synonym of *pistillum*.

RANGE: Western and northwestern Transvaal in southern Angola.

***Tomuropeltis jallae* (Peracca)**

Monopeltis jallae PERACCA, 1910, p. 1. *Terra typica*: "Zambese (Barotseland)," Northern Rhodesia. Syntypes: I.M.Z.U.T. No. 4011; M.S.N.G. No. C.E.37466.

DISCUSSION OF FORM: Loveridge (1941, p. 433).

RANGE: Known from the types only.

***Tomuropeltis luluae* (Witte and Laurent)**

Monopeltis luluae WITTE AND LAURENT, 1942, p. 68. *Terra typica*: "Sandoa (Ht. Kasai)," Congo. Holotype: R.G.M.C. No. 10848.

DISCUSSION OF FORM: Witte (1954, p. 993). Laurent (1964, p. 88) considered this form a race of *colobura*.

RANGE: Known from the type only.

***Tomuropeltis pistillum* (Boettger)**

Monopeltis pistillum BOETTGER, 1895, p. 62. *Terra typica*: "Sambesi, Ostafrika." Syntypes: S.M.F. No. 11833 (formerly 5455 2a), three specimens.

Monopeltis granti kuanyamarum MONARD, 1937, p. 67. *Terra typica*: "Mupanda," Angola. Holotype: L.C.F.M. (unnumbered.)

DISCUSSION OF FORM: Loveridge (1941, p. 434), Broadley (1962, p. 825), and Laurent (1964, p. 87). The last-named considered this form distinct and possibly would include *granti* and *transvaalensis* in its synonymy.

RANGE: Northern Rhodesia and Angola.

GENUS ZYGASPIIS COPE

Zygaspis COPE, 1885, p. 187. Type species: *Amphisbaena quadrifrons* W. C. H. PETERS, by monotypy.

Shrevea VANZOLINI, 1951b, p. 115. Type species: *Amphisbaena quadrifrons* W. C. H. Peters, by original designation.

See discussion in Vanzolini (1953b, p. 45). A second clearly distinct species of this genus was recently discovered by D. G. Broadley.

***Zygaspis quadrifrons quadrifrons* (W. C. H. Peters)**

Amphisbaena quadrifrons W. C. H. PETERS, 1862, p. 25. *Terra typica*: "Neu-Barmen, im Hererolande, an der Westküste von Afrika, im 21° südl. Br." Syntypes: Z.M.U. Nos. 4202-4204.

?*Amphisbaena ambuellensis* MONARD, 1931, p. 93. *Terra typica*: "Chimporo; Caquindo," Angola. Syntypes: L.C.F.M. (two specimens unnumbered); N.M.B. No. 13330.

DISCUSSION OF FORM: Loveridge (1941, p. 385) and FitzSimons (1943, p. 377).

RANGE: Angola, the northern parts of South-West Africa, eastward to the Kalahari.

Zygaspis quadrifrons capensis (Thominot)

Amphisbaena capensis THOMINOT, 1887, p. 188. *Terra typica*: "Lac N'gami," Bechuanaland. Holotype: M.H.N.P. No. A451.

Amphisbaena quadrifrons katangae WITTE AND LAURENT, 1942, p. 81. *Terra typica*: "Lukafu (distr. Ht. Katanga)," Congo. Holotype: R.G.M.C. No. 7233. Paratypes: R.G.M.C. Nos. 7221-7225, 7234-7243, 7248, 7249.

DISCUSSION OF FORM: Loveridge (1941, p. 387), FitzSimons (1943, p. 377), Witte (1954, p. 986), Broadley (1962, p. 822), and Laurent (1964, p. 84).

RANGE: Cape Province to Congo, east to Mozambique.

Zygaspis quadrifrons dolichomenta (Witte and Laurent)

Amphisbaena dolichomenta dolichomenta WITTE AND LAURENT, 1942, p. 83. *Terra typica*: "Flandria (Tshuapa)," Congo. Holotype: R.G.M.C. No. 6245. Paratypes: R.G.M.C. No. 6246 (Flandria); R.G.M.C. No. 10283 (Eala, Tshuapa).

Amphisbaena dolichomenta meridionalis WITTE AND LAURENT, 1942, p. 85. *Terra typica*: "Lemfu (Bas-Congo)," Congo. Holotype: R.G.M.C. No. 2716.

DISCUSSION OF FORM: Witte (1954, p. 989).

RANGE: Moyen-Congo and Équateur districts, Congo.

ADDENDUM

While this paper was in page proof, I received a paper by Ticul Alvarez (1966 [1964], "Variacion y descripcion de una subespecie de *Bipes caniculatus* (Reptilia; Squamata) de Michoacan, Mexico," An. Esc. Nat. Cien. Biol. Mexico, vol. 13, nos. 1-4, pp. 145-152). The following subspecies was described in the paper:

Bipes canaliculatus multiannulatus Alvarez

Bipes caniculatus multiannulatus ALVAREZ,

1966, p. 147. *Terra typica*: "Pizandarán, 14 kilómetros al norte de El Infiernilla (colina poco elevada, distante 100 a 400 metros de la orilla del Río Balsas), Michoacán," Mexico. Holotype: Escuela Nacional de Ciencias Biológicas No. 1315. Paratypes: Fifty specimens collected with the holotype, plus 10 collected at Los Nopales, Michoacán.

RANGE: Gámbara (Alvarez, 1964), Pizandarán, and Los Nopales, Michoacán, Mexico.

BIBLIOGRAPHY

- AGASSIZ, LOUIS
1848. Nomenclator zoologici. Index universalis, continens nomina systematica classium. Solothurn, x+1135 pp.
- ALEXANDER, A. ALLAN
1966. Taxonomy and variation of *Blanus strauchi*, with comments on the nature of its meristic variation. Copeia, no. 2, pp. 205-224.
- ALVAREZ, TICUL
1964. The amphisbaenid lizard *Bipes canaliculatus* in Michoacán, Mexico. Herpetologica, vol. 20, no. 3, p. 202.
- AMARAL, AFRANIO DO
1932. Estudos sobre lacertilios neotropicos. I. Novos generos e especies de largartos do Brasil. Mem. Inst. Butantan, vol. 7, pp. 51-75.
1935. Um novo genero e duas novas especies de Geckonideos e uma nova raça de Amphisbaenideo, procedentes do Brasil Central. *Ibid.*, vol. 9, pp. 253-256.
1937a. Estudos sobre lacertilios neotropicos. 4. Lista remissiva dos lacertilios do Brasil. *Ibid.*, vol. 11, pp. 167-204+i-ix.
1937b. New genera and species of lacertilians from Brazil. Compt. Rendus XII Congr. Internatl. Zool., Lisbon, 1935, vol. 3, pp. 1701-1707.
1937c. Check-list of the "Lacertilia" of Brazil. *Ibid.*, Lisbon, 1935, vol. 3, pp. 1733-1743.
- ANDERSON, JOHN
1901. A list of the reptiles and batrachians obtained by Mr. A. Blayney Percival in southern Arabia. Proc. Zool. Soc. London, pt. 2, pp. 137-152.
- ANDERSSON, LARS GABRIEL
1899. Catalogue of Linnean type-specimens of snakes in the Royal Museum in Stockholm. Bihang till K. Svenska Weten. Akad. Handl., vol. 24, pt. 4, no. 6, pp. 1-35.
- ANGEL, FERNAND
1920. Liste de reptiles du Haut-Zambèze et del l'Afrique australe. Description d'une espèce nouvelle du genre *Monopeltis*. Bull. Mus. Natl. d'Hist. Nat., Paris, vol. 26, pp. 614-617.
1943. Sur deux lézards nouveaux, de la Haute-Guinée française, appartenant aux familles de amphisbénidés et des gekkonidés. (Materiaux de la Mission Lamotte au Mont Nimba, en 1942). Première note. *Ibid.*, ser. 2, vol. 15, no. 4, pp. 163-166.
- ANGEL, FERNAND, JEAN GUIBÉ, AND MAXIME LAMOTTE
1954. La réserve naturelle integrale du Mont Nimba. Lézards. Mem. Inst. Français Afrique Noire, vol. 2, pp. 371-379.
- ANONYMOUS
1896. Geschenke und Erwerbungen, Juni 1895 bis Juni 1896. Ber. Senckenbergische Naturf. Ges., vol. 27, pp. xxxvii-lvi.
- BAIRD, SPENCER FULLERTON
1858. Description of new genera and species of North American lizards in the museum of the Smithsonian Institution. Proc. Acad. Nat. Sci. Philadelphia, pp. 253-256.
- BAPTISTA, MANOEL DIAS
1789. Ensaio de huma descrição, fizica, e economica de Coimbra, e seus arredores. Mem. Econ. Acad. R. Sci. Lisboa, vol. 1, pp. 254-298.
- BARBOUR, THOMAS
1914a. A contribution to the zoogeography of the West Indies, with especial reference to amphibians and reptiles. Mem. Mus. Comp. Zool., vol. 44, no. 2, pp. 209-346.
1914b. Some new reptiles. Proc. New England Zool. Club, vol. 4, pp. 95-98.
- BATTERSBY, J. C.
1950. A new amphisbaenid lizard from Tanganyika territory and notes on the rare snake *Chilorhinophis*. Ann. Mag. Nat. Hist., ser. 12, vol. 3, pp. 413-417.
- BEDRIAGA, JAKOB VLADIMIROVIC
1884. *Amphisbaena cinerea* Vand. und *A. strauchi* v. Bedr. Erster Beitrag zur Kenntniss der Doppelschleichen. Arch. Naturgesch., Wiegmann, vol. 50, pt. 1, pp. 23-77.
- BELL, THOMAS
1827. Description of a new species of *Anolis* and a new species of *Amphisbaena*; collected by W. S. MacLeay, Esq., in the island of Cuba. Zool. Jour., London, vol. 3, no. 10, art. 26, pp. 235-236.
1833. Mr. Bell exhibited specimens of two reptiles, forming part of his collection, which he regarded as the types of two genera hitherto undescribed. Proc. Zool. Soc. London, pp. 98-99.
1835. Description of a new genus of Reptilia of the family Amphisbaenidae. Zool. Jour., London, vol. 5, pp. 391-393.
- BERTHOLD, ARNOLD ADOLPH
1859. Einige neue Reptilien des akad. zoolog. Museums in Göttingen. Nachr. G. A.

- Univ. K. Gesell. Wiss. Göttingen, vol. 17, pp. 179-181.
- BOCAGE, J. V. BARBOZA DU
1873. Reptiles nouveaux de l'intérieur de Mossamedes. *Jor. Sci. Lisboa*, vol. 4, pp. 247-253.
- BOETTGER, OSKAR
1885. Liste von Reptilien und Batrachiern aus Paraguay. *Zeitschr. Naturwiss.*, ser. 4, vol. 58, no. 3, pp. 213-248.
1887. Diagnoses reptilium novorum ad ill. viro Paul Hesse in finibus fluminis Congo repetitorum. *Zool. Anz.*, vol. 10, no. 267, pp. 649-651.
1893. Kleinere Mitteilungen über neue Erwerbungen des naturhistorischen Museums. 2. Eine neue Eidechse von Kamerun. *Mitt. Geogr. Ges. Naturhist. Mus. Lübeck*, ser. 2, vol. 5, pp. 89-90.
1895. Zwei neue Reptilien vom Zambesi. *Zool. Anz.*, vol. 18, pp. 62-63.
1913. Reptilien und Amphibien von Madagascar, den Inseln und dem Festland Ostafrikas. (Sammlung Voeltzkow 1889-1895 und 1903-1905). In Voeltzkow, A., *Reise in Ostafrika*. Stuttgart, vol. 3, no. 4, pp. 269-276.
- BONNATERRE, L'ABBÉ
1789. Tableau encyclopédique et méthodique des trois règnes de la nature, . . . *Erpétologie*. Paris, xxviii+71 pp.
- BONS, JACQUES
1963. Notes sur *Blanus cinereus* (Vandelli) description d'une sous-espèce Marocaine: *Blanus cinereus mettetali* ssp. nov. *Bull. Soc. Sci. Nat. Phys. Maroc*, nos. 1-2, pp. 95-107.
- BOULENGER, GEORGE ALBERT
1878. Description d'un genre nouveau et d'une espèce nouvelle de la famille des amphisbénides. *Bull. Soc. Zool. France*, vol. 3, pp. 300-303.
1884. Descriptions of new species of reptiles and batrachians in the British Museum. Part II. *Ann. Mag. Nat. Hist.*, ser. 5, vol. 13, pp. 396-398.
1885. Catalogue of the lizards in the British Museum (Natural History). Second edition. London, vol. 2, xiii+497 pp.
1890. Reptilia. In Ridley, H. N., Notes on the zoology of Fernando Noronha. *Jour. Linnean Soc. London*, vol. 20, pp. 481-482.
1894. List of reptiles and batrachians collected by Dr. T. Bohls near Asuncion, Paraguay. *Ann. Mag. Nat. Hist.*, ser. 6, vol. 13, pp. 242-348.
1902. Descriptions of new fishes and reptiles discovered by Dr. F. Silvestri in South America. *Ibid.*, ser. 7, vol. 9, pp. 284-288.
1906. Report of the reptiles collected by the late L. Fea in West Africa. *Ann. Mus. Civ. Stor. Nat. Genova*, ser. 3, vol. 2, pp. 196-216.
- 1907a. Descriptions of new lizards in the British Museum. *Ann. Mag. Nat. Hist.*, ser. 7, vol. 19, pp. 486-489.
1907b. Descriptions of a new toad and a new amphisbaenid from Mashonaland. *Ibid.*, ser. 7, vol. 20, no. 115, pp. 47-49.
1907c. Second report on the reptiles and batrachians collected in South Africa by Mr. C. H. B. Grant, and presented to the British Museum by Mr. C. D. Rudd. *Proc. Zool. Soc. London*, pp. 478-487.
1910. A revised list of the South African reptiles and batrachians, with synoptic tables, special reference to the specimens in the South African Museum, and descriptions of new species. *Ann. South African Mus.*, vol. 5, pp. 455-538.
1913. Description d'une reptile amphisbénide nouveau provenant du Katanga. *Rev. Zool. Africaine*, Brussels, vol. 2, pp. 392-393.
1915. Descriptions of a new *Amphisbaena* and a new snake discovered by Dr. H. G. F. Spurrell in southern Colombia. *Proc. Zool. Soc. London*, pp. 659-661.
1920. A list of lizards from Mesopotamia. Collected by members of the Mesopotamian Expeditionary Force, 1915 to 1919. *Jour. Bombay Nat. Hist. Soc.*, vol. 27, no. 2, pp. 351-353.
- BROADLEY, DONALD G.
1962. On some reptile collections from the northwestern and northeastern district of Southern Rhodesia 1958-1961, with descriptions of four new lizards. *Occas. Papers Natl. Mus. Southern Rhodesia*, no. 26B, pp. 787-843.
- 1963a. Two rare fossorial reptiles in southeastern Rhodesia—predator and prey. *Jour. Herpetological Assoc. Rhodesia*, no. 20, pp. 7-8.
1963b. An expedition to the Mozambique plain—November, 1962. *Ibid.*, no. 20, pp. 14-18.
1964. A report on the opportunity for zoological collecting afforded by the Beira-Feruka pipe-line project. *Herpetological Assoc. Rhodesia Newsletter*, no. 1, pp. 1-3.
- BURMEISTER, HERMANN
1861. Reise durch die La Plata—Staaten mit

- besonderer Rücksicht auf die physische Beschaffenheit und den Culturzustand der Argentinischen Republik. Ausgeführt in den Jahren 1857, 1858, 1859 und 1860. Halle, vol. 1, vi+503 pp.; vol. 2, vi+540 pp.
- BURT, CHARLES E., AND MAY DANHEIM BURT
1933. A preliminary check list of the lizards of South America. Trans. Acad. Sci. St. Louis, vol. 28, nos. 1-2, pp. 1-104.
- CALABRESI, ENRICA
1927. Anfibi e rettili raccolti nella Somalia dai Proff. G. Stefanini e N. Puccioni. (Gennaio-Luglio 1924). Atti Soc. Italiana Sci. Nat. Milano, vol. 66, pp. 14-60.
- CHINA, W. E. (ED.)
1963. Opinion 664. *Amphisbaena dubia* Rathke, 1863 (Reptilia): Suppression under the plenary powers. Bull. Zool. Nomenclature, vol. 20, pt. 3, pp. 197-198.
- COCHRAN, DORIS MABLE
1928. The herpetological collections made in Haiti and its adjoining islands by Walter J. Eyerdam. Proc. Biol. Soc. Washington, vol. 41, pp. 53-59.
1961. Type specimens of reptiles and amphibians in the U. S. National Museum. Bull. U. S. Natl. Mus., no. 220, 291 pp.
- COPE, EDWARD DRINKER
1861a. Specimens of *Lepidosternum Floridanum* Baird were exhibited. Proc. Acad. Nat. Sci. Philadelphia, p. 75.
1861b. Some remarks defining the following species of Reptilia Squamata. *Ibid.*, pp. 75-76.
1862. Catalogues of the reptiles obtained during the explorations of the Parana, Paraguay, Vermejo and Uruguay rivers, by Capt. Thos. J. Page, U.S.N.; and of those procured by Lieut. N. Michler, U. S. Top. Eng., Commander of the expedition conducting the survey of the Atrato River. I. The Paraguay collection. *Ibid.*, pp. 346-359.
1876. Report on the reptiles brought by Professor James Orton from the middle and upper Amazon, and western Peru. Jour. Acad. Nat. Sci. Philadelphia, ser. 2, vol. 8, no. 6, pp. 159-183.
1885. Twelfth contribution to the herpetology of tropical America. Proc. Amer. Phil. Soc., vol. 22, pp. 167-194.
1894. On the genera and species of Euchirotidae. Amer. Nat., vol. 28, pp. 436-437.
1896. The mesenteries of the Sauria. Proc. Acad. Nat. Sci. Philadelphia, pp. 306-314.
- COTT, HUGH
1934. The Zoological Society's expedition to the Zambesi, 1927. No. 5. On a collection of lizards, mainly from East Africa, with description of new species of *Zonurus*, *Monopeltis*, and *Chirindia*. Proc. Zool. Soc. London, no. 5, pp. 145-173.
- CUNHA, OSVALDO RODRIGUES DA
1961. Lacertílios da Amazonia. Os lagartos do Amazônia brasileira, com especial referencia aos representados na coleção do Museu Goeldi. Bol. Mus. Paraense Emílio Goeldi, new ser., no. 39, pp. 1-189.
- CUVIER, GEORGES LÉOPOLD CHRETIEN FRÉDÉRIC DAGOBERT
1817. Le règne animal, distribué d'après son organisation. Paris, vol. 2, xviii+532 pp.
1829. Le règne animal, distribué d'après son organisation. Nouvelle édition. Paris, vol. 2, xv+406 pp.
- DICKERSON, MARY CYNTHIA
1916. Description of a new amphisbaenian collected by the late Dr. Charles S. Mead in 1911 on the Isle of Pines, Cuba. Bull. Amer. Mus. Nat. Hist., vol. 35, art. 34, pp. 659-662.
- DONNDORFF, JOHANN AUGUST
1798. Zoologische Beyträge zur xiii. Ausgabe des Linnéischen Natursystems. Leipzig, vol. 3, vi+980 pp.
- DUGÈS, ALFREDO
1894. *Hemichirotes tridactylus*, A. Dug. La Natureza, ser. 2, vol. 2, nos. 7-8, pp. 411-412, pl. 20 (see Smith, H. M., 1942, for confirmation of dates).
- DUMÉRIL, ANDRÉ MARIE CONSTANT, AND GABRIEL BIBRON
1839. Erpétologie générale ou histoire naturelle complète des reptiles. Paris, vol. 5, 855 pp.
- DUMÉRIL, AUGUSTE HENRY ANDRÉ (not Duméril, André Marie Constant, and August Henri André Duméril)
1851. Catalogue méthodique de la collection des reptiles du Muséum d'Histoire Naturelle de Paris. Paris, iv+224 pp.
- DUNGER, G. T.
1965. *Baikia africana* (family Amphisbaenidae): Ecology and individual variation. Ann. Mag. Nat. Hist., ser. 13, vol. 7, no. 76, pp. 217-221.
- DUNN, EMMETT REID, AND JEAN PIATT
1936. A new *Amphisbaena* from Brazil. Proc. Acad. Nat. Sci. Philadelphia, vol. 88, pp. 527-528.

FITZINGER, LEOPOLD I.

1826. Neue Classification der Reptilien nach ihren natürlichen Verwandtschaften. Vienna, vi+66 pp.

1843. Systema reptilium. Fasciculus primus Amblyglossae. Vienna. 106+vi+(3) pp.

FITZSIMONS, VIVIAN

1930. Descriptions of new South African Reptilia and Batrachia, with distribution records of allied species in the Transvaal Museum collection. Ann. Transvaal Mus., vol. 14, no. 1, pp. 20-48.

1932. Preliminary descriptions of new forms of South African Reptilia and Amphibia, from the Vernay-Lang Kalahari Expedition, 1930. *Ibid.*, vol. 15, no. 1, pp. 35-40.

1933. Description of five new lizards from the Transvaal and Southern Rhodesia. *Ibid.*, vol. 15, no. 2, pp. 273-280.

1937a. Notes on the reptiles and amphibians collected and described from South Africa by Andrew Smith. *Ibid.*, vol. 17, no. 4, pp. 259-274.

1937b. Three new lizards from South Africa. *Ibid.*, vol. 17, no. 4, pp. 275-279.

1939. Descriptions of some new species and subspecies of lizards from South Africa. *Ibid.*, vol. 20, no. 1, pp. 5-16.

1941. Description of some new lizards from South Africa and a frog from Southern Rhodesia. *Ibid.*, vol. 20, no. 3, pp. 273-281.

1943. The lizards of South Africa. Transvaal Mus. Mem., no. 1, xv+528 pp.

FRADE, F.

1937. Anotações à "Faunae Conimbricensis rudimentum" de Manoel Dias Baptista (Séc. XVIII). Bull. Soc. Portugaise Sci. Nat., vol. 12, no. 29, pp. 251-258.

GANS, CARL

1960. Studies on amphisbaenids (Amphisbaenia, Reptilia). 1. A taxonomic revision of the Trogonophinae and a functional interpretation of the amphisbaenid adaptive pattern. Bull. Amer. Mus. Nat. Hist., vol. 119, no. 3, pp. 129-204.

1961a. *Dubia* (Amphisbaena) Rathke, 1863 (Reptilia, Squamata). Proposed suppression under the plenary powers. Z.N. (S.) 1466. Bull. Zool. Nomenclature, vol. 18, pt. 3, p. 220.

1961b. *Reticulata* (Amphisbaena) Holmer, 1787; Proposed suppression under the plenary powers (Reptilia, Squamata). Z.N. (S.) 1468. *Ibid.*, vol. 18, pt. 3, pp. 223-224.

1961c. Notes on amphisbaenids (Amphisbaenia: Reptilia). 2. *Amphisbaena occidentalis* Cope from the coastal plain of northern Peru. Postilla, Yale Univ., no. 56, pp. 1-17.

1962a. Notes on amphisbaenids (Amphisbaenia: Reptilia). 1. On the name *Amphisbaena reticulata* Holmer, 1787. Brit. Jour. Herpetology, vol. 3, no. 1, pp. 12-13.

1962b. Notes on amphisbaenids (Amphisbaenia: Reptilia). 3. Redefinition and description of the Brazilian reptiles *Amphisbaena silvestrii* Boulenger and *A. neglecta* Dunn and Piatt. Copeia, no. 1, pp. 164-170.

1962c. Notes on amphisbaenids (Amphisbaenia, Reptilia). 5. A redefinition and a bibliography of *Amphisbaena alba* Linné. Amer. Mus. Novitates, no. 2105, pp. 1-31.

1962d. Notes on amphisbaenids (Amphisbaenia, Reptilia). 6. Range extension and redescription of *Amphisbaena spurrelli* Boulenger. Breviora, no. 171, pp. 1-11.

1963a. Notes on amphisbaenids (Amphisbaenia, Reptilia). 7. Redescription and redefinition of *Amphisbaena mitchelli* Procter and *Amphisbaena slevini* Schmidt from the middle and lower Amazon, Brazil. Amer. Mus. Novitates, no. 2127, pp. 1-22.

1963b. Notes on amphisbaenids (Amphisbaenia, Reptilia). 8. A redescription of *Amphisbaena stejnegeri* and the description of a new species of *Amphisbaena* from British Guiana. *Ibid.*, no. 2128, pp. 1-18.

1963c. Notes on amphisbaenids (Amphisbaenia: Reptilia). 9. Redescription of *Amphisbaena ridleyi* Boulenger. Copeia, no. 1, pp. 182-187.

1963d. Notes on amphisbaenids (Amphisbaenia: Reptilia). 10. Redescription and definition of *Amphisbaena pericensis* Noble from the mountains of northwestern Peru. Breviora, no. 189, pp. 1-15.

1964a. On *Amphisbaena schmidtii*, a third species of the genus from the island of Puerto Rico (Amphisbaenia: Reptilia). [Notes on amphisbaenids no. 11]. *Ibid.*, no. 198, pp. 1-11.

1964b. Redescription of *Amphisbaena dubia* Müller with an extension of the range (Amphisbaenia: Reptilia). [Notes on

- amphisbaenids 12]. *Ibid.*, no. 205, pp. 1–11.
- 1964c. New records of *Amphisbaena silvestrii* Boulenger, and the description of a new two-pored species from the northern Chaco (Amphisbaenia: Reptilia). [Notes on amphisbaenids 14 (not 12)]. *Copeia*, no. 3, pp. 553–561.
- 1964d. *Amphisbaena mitchelli* recorded from Belém, Pará, Brazil. *Herpetologica*, vol. 20, no. 3, pp. 192–194.
- 1964e. On the South American *Amphisbaena* with a vertically keeled tail. [Notes on amphisbaenids 15]. *Senckenbergiana*, vol. 45, nos. 3–5, pp. 387–416.
- 1965a. On *Amphisbaena heathi* Schmidt and *A. carvalhoi*, new species, small forms from the northeast of Brazil (Amphisbaenia: Reptilia). [Notes on amphisbaenids 16]. *Proc. California Acad. Sci.*, ser. 4, vol. 31, no. 23, pp. 613–630.
- 1965b. Notes on amphisbaenids (Amphisbaenia, Reptilia). 17. A redescription and discussion of *Amphisbaena angustifrons* Cope and *Amphisbaena camura* Cope of southern South America. *Amer. Mus. Novitates*, no. 2225, pp. 1–32.
- 1965c. Redescription of *Amphisbaena pretrei* Duméril and Bibron and *A. leucocephala* Peters, with a discussion of their relation and synonymy (Amphisbaenia: Reptilia). [Notes on amphisbaenids 18]. *Amer. Midland Nat.*, vol. 74, pp. 387–407.
- 1966a. Redescription of *Amphisbaena mertensi* Strauch, with comments on its geographic variation and synonymy (Amphisbaenia: Reptilia). [Notes on amphisbaenids 21]. *Copeia*, no. 3, pp. 534–548.
- 1966b. *Amphisbaena mildei* Peters, 1878 (Reptilia): Proposed suppression under the plenary powers. *Z.N. (S.)* 1746. *Bull. Zool. Nomenclature*, vol. 23, no. 4, pp. 162–163.
- 1966c. Studies on amphisbaenids (Amphisbaenia, Reptilia). 3. The small species from southern South America commonly identified as *Amphisbaena darwini*. *Bull. Amer. Mus. Nat. Hist.*, vol. 134, pp. 185–260.
- [In press.] *Rhineura*. In *Catalogue of American amphibians and reptiles*. American Society of Ichthyologists and Herpetologists.
- GANS, CARL, AND A. ALLAN ALEXANDER
1962. Studies on amphisbaenids (Amphisbaenia: Reptilia). 2. On the amphisbaenids of the Antilles. *Bull. Mus. Comp. Zool.*, vol. 128, no. 3, pp. 65–158.
- GANS, CARL, AND MARK AMDUR
1966. Redescription of *Amphisbaena vermicularis* Wagler, with comments on its range and synonymy (Amphisbaenia: Reptilia). [Notes on amphisbaenids 20]. *Proc. California Acad. Sci.*, ser. 4, vol. 33, pp. 69–90.
- GANS, CARL, AND ELAZAR KOCHVA
1966. A systematic review of *Ancylocranium* (Amphisbaenia: Reptilia). [Notes on amphisbaenids 22]. *Israel Jour. Zool.*, vol. 14, pp. 87–121.
- GANS, CARL, AND W. GARDNER LYNN
1965. Comments on the thyroid structure of some acrodont amphisbaenids, with remarks on their systematic status. *Herpetologica*, vol. 21, no. 1, pp. 23–26.
- GANS, CARL, AND HEMCHANDRA PANDIT
1965. Notes on a herpetological collection from the Somali Republic V. The amphisbaenian genus *Agamodon*. *Ann. Mus. Roy. Afrique Centrale, Tervuren*, ser. in 8°, vol. 134, pp. 71–86.
- GANS, CARL, AND GEORGES PASTEUR
1962. Notes on amphisbaenids (Amphisbaenia: Reptilia). 4. On the type locality of *Amphisbaena elegans* Gervais. *Herpetologica*, vol. 18, no. 1, pp. 9–11.
- GANS, CARL, AND CHARLYN RHODES
1964. Notes on amphisbaenids (Amphisbaenia, Reptilia). 13. A systematic review of *Anops* Bell, 1833. *Amer. Mus. Novitates*, no. 2186, pp. 1–25.
- [MS.] *Chirindia* from Tanganyika (Amphisbaenia: Reptilia). [Notes on amphisbaenids 19]. *Ann. Carnegie Mus.*
- GERVAIS, PAUL
1835. Les principaux résultats de l'étude . . . de reptiles envoyés de Barbarie. *Bull. Soc. Sci. Nat. France* (dernier trimestre), Séance de 23 Dec. 1835, vol. 1, pp. 112–114.
- GRAY, JOHN EDWARD
1825. A synopsis of the genera of reptiles and Amphibia, with a description of some new species. *Thomson Ann. Phil.*, ser. 2, vol. 10, pp. 193–217.
1844. Catalogue of the tortoises, crocodiles, and amphisbaenians, in the collection of the British Museum. London, viii+80 pp.
1865. A revision of the genera and species of amphisbaenians with the descriptions of some new species now in the collection of the British Museum. *Proc. Zool. Soc. London*, pp. 442–455.
1872. Catalogue of shield reptiles in the collec-

- tion of the British Museum. Part II. Emydosaurians, rhynchocephalians, and amphisbaenians. London, vi+41 pp.
- GÜNTHER, CARL ALBERT LUDWIG GOTTHILF
1876. Notes on a small collection brought by Lieut. L. Cameron, C.B., from Angola. Proc. Zool. Soc. London, pp. 678-679.
1880. Description of new species of reptiles from eastern Africa. Ann. Mag. Nat. Hist., ser. 5, vol. 6, no. 33, pp. 234-238.
1881. Description of the amphisbaenians and ophidians collected by Prof. I. Bayley Balfour in the island of Socotra. Proc. Zool. Soc. London, pp. 461-462.
- HALLOWELL, EDWARD
1852. Description of new species of Reptilia from western Africa. Proc. Acad. Nat. Sci. Philadelphia, vol. 6, pp. 62-65.
1857. Notice of a collection of reptiles from the Gaboon Country, West Africa, recently presented to the Academy of Natural Sciences of Philadelphia, by Dr. Henry A. Ford. *Ibid.*, vol. 9, pp. 48-72.
- HELLMICH, WALTER
1960. Die Sauria des Gran Chaco und seiner Randgebiete. Abhandl. Bayerischen Akad. Wiss., Math. Nat. Kl., new ser., no. 101, 131 pp.
- HEMMING, FRANCIS (ED.)
1956. Opinion 417. Rejection for nomenclatorial purposes of volume 3 (Zoologie) of the work by Lorenz Oken entitled *Oken's Lehrbuch der Naturgeschichte* published in 1815-1816. Opin. Declar. Internatl. Comm. Zool. Nomenclature, vol. 14, pt. 1, pp. 1-42.
- HEMPRICH, F. G.
1829. Amphisbaenarum generis novas species duas descripsit. Verhandl. Gesell. Naturf. Fr., Berlin, vol. 1, no. 2, pp. 129-130.
- HERMANN, JOHANNIS
1804. Observationes zoologicae. Paris, viii+332 pp.
- HOFFSTETTER, ROBERT
1955. Squamates de type moderne. In Piveteau, Jean, *Traité de paléontologie*. Paris, vol. 5, pp. 606-662.
- HOLMER, LAUR. MAGN.
1787. D. D. Museum Naturalium Academiae Upsaliensis cujus partem secundam . . . Carol. Pet. Thunberg. Upsala, pp. 17-32. (Thunberg is often cited as the author of this paper.)
- KAUP, JOHANN J.
1830. *Trogonophis*. Eine neue Amphibiengattung, den Amphisbaenen zunächst verwandt. Isis von Oken, vol. 23, cols. 880-881.
1831. Review of the original description in . . . Isis. Bull. Univers. Sci. Nat. Géol., vol. 24, p. 203.
- KLAPPENBACH, MIGUEL A.
1960. Notas herpetológicas, I. *Amphisbaena muñoi* n. sp. (Amphisbaenidae). Comm. Zool. Mus. Hist. Nat. Montevideo, vol. 4, no. 84, pp. 1-12.
- LA CÉPÈDE, BERNARD GERMAIN ÉTIENNE DE LA VILLE
1788. Histoire naturelle des quadrupèdes ovipares. Paris, vol. 1, (18)+651 pp.
- LANCINI V., ABDEM RAMON
1963. Una nueva especie del genero *Amphisbaena* (Sauria: Amphisbaenidae) de Venezuela. Publ. Ocas. Mus. Cien. Nat. Caracas, Zool., no. 6, (3) pp.
- LATREILLE, PIERRE ANDRÉ
1802. In Sonnini, C. S., and P. A. Latreille, Histoire naturelle des reptiles. Paris, vol. 2, 332 pp.
- LAURENT, RAYMOND F.
1947. Note sur les Amphisbaenidae d'Afrique. Rev. Zool. Bot. Africaine, vol. 40, no. 1, pp. 52-63.
1954. Reptiles et batraciens de la région de Dundo (Angola) (Deuxième note). Publ. Cultura Cia Diamant Angola, no. 23, pp. 35-84.
1956. Notes herpetologiques africaines. Rev. Zool. Bot. Africaine, vol. 52, nos. 3-4, pp. 229-256.
1964. Reptiles et amphibiens de l'Angola. (Troisième contribution). Publ. Cultura Cia Diamant Angola, no. 67, pp. 11-165.
- LAURENTI, JOSEPH NICOLAI
1768. Specimen medicum exhibens synopsis reptilium emendatum cum experimentis circa venera et antidota reptilium. Vienna, (v)+214+(3) pp.
- LINNÉ, CARL VON
1758. Systema naturae per regna tria naturae. Editio decima, reformata. Stockholm, vol. 1, 824 pp.
- LOVERIDGE, ARTHUR
1932. New reptiles and amphibians from Tanganyika Territory and Kenya Colony. Bull. Mus. Comp. Zool., vol. 72, pp. 375-387.
1941. Revision of the African lizards of the family Amphisbaenidae. *Ibid.*, vol. 87, no. 5, pp. 353-451.
1946. A new worm-lizard (*Ancylocranium barkeri*) from Tanganyika Territory.

- Proc. Biol. Soc. Washington, vol. 59, pp. 73-74.
1948. The lizard *Amphisbaena kraussi* rediscovered in the Gold Coast. Copeia, no. 3, pp. 213-214.
1951. On reptiles and amphibians from Tanganyika Territory collected by C. J. P. Ionides. Bull. Mus. Comp. Zool., vol. 106, pp. 175-204.
1952. Mission A. Villiers au Togo et au Dahomey (1950), XII. Tortoises and lizards. Bull. Inst. Français Afrique Noire, vol. 14, no. 1, pp. 229-242.
1955. On a second collection of reptiles and amphibians taken in Tanganyika Territory by C. J. P. Ionides, Esq. Jour. East African Nat. Hist. Soc., vol. 22, no. 5, pp. 169-198.
1957. Check list of the reptiles and amphibians of East Africa (Uganda; Kenya; Tanganyika; Zanzibar). Bull. Mus. Comp. Zool., vol. 117, no. 2, pp. 153-362, i-xxxvi.
1962. New worm-lizards (*Ancylocranium* and *Amphisbaena*) from southeastern Tanganyika Territory. Breviora, no. 163, 6 pp.
- MANAÇAS, SARA
1955. Saurios e ofidios da Guiné Portuguesa. An. Junta Invest. Ultramar, vol. 10, pt. 4, no. 1, pp. 1-29.
1957. Contribuição para o estudo dos répteis (saurios e leptotiflopidos) de Moçambique. *Ibid.*, vol. 9, pt. 3, pp. 1-8.
- MARX, HYMEN
1958. Catalogue of type specimens of reptiles and amphibians in the Chicago Natural History Museum. Fieldiana, vol. 36, no. 4, pp. 409-496.
- MASI, LUIGI
1911. Due nuove specie di *Amphisbaena* della Repubblica argentina. Boll. Soc. Zool. Italiana, ser. 2, vol. 12, nos 9-12, pp. 229-234.
- MERTENS, ROBERT
- 1925a. Eine neue Eidechsegattung aus der Familie der Leposterniden. Senckenbergiana, vol. 7, no. 5, pp. 170-171.
- 1925b. Amphibien und Reptilien aus dem nördlichen und östlichen Spanien, gesammelt von Dr. F. Haas. Abhandl. Senckenbergischen Naturf. Gesell., vol. 39, no. 1, pp. 27-129.
1926. Herpetologische Mitteilungen. XI. Weitere Bemerkungen über *Mesobaena huebneri* Mertens. Senckenbergiana, vol. 8, nos. 3/4, pp. 149-150.
1929. Herpetologische Mitteilungen: XXIII. Über einige Amphibien und Reptilien aus Süd-Bolivien. Zool. Anz., vol. 86, pp. 57-62.
1930. Zoologische Ergebnisse einer Reise von Otto Conde, herausgegeben von Dr. Embrik Strand. 2. Reptilien und Amphibien. Folia Zool. Hydrobiol., Riga, vol. 1, no. 2, pp. 161-166.
- MOCQUARD, FRANÇOIS
1888. Sur une collection de reptiles et de batraciens rapportés des Pays Comalis et de Zanzibar par M. G. Révoil. Soc. Philom. Paris, Mém. Cent., pp. 109-134.
1903. Notes herpétologiques. I. Description d'espèces nouvelles de la collection du Muséum. Bull. Mus. Natl. d'Hist. Nat., Paris, vol. 9, no. 5, pp. 209-220.
1904. Description de quelques reptiles et d'un batracien nouveau de la collection du Muséum. *Ibid.*, vol. 10, no. 6, pp. 301-309.
- MONARD, ALBERT
1931. Mission scientifique Suisse dans l'Angola. Résultats scientifiques. Reptiles. Bull. Soc. Neuchâtel Sci. Nat., vol. 55, pp. 89-111.
1937. Contribution à l'herpétologie d'Angola. Arq. Mus. Bocage, Lisbon, vol. 8, p. 19-153.
- MÜLLER, FRITZ
1878. Katalog der im Museum und Universitätskabinet zu Basel aufgestellten Amphibien und Reptilien nebst Anmerkungen. Verhandl. Naturf. Gesell., Basel, vol. 6, pp. 561-709.
1885. Vierter Nachtrag zum Katalog der herpetologischen Sammlung des Basler Museums. *Ibid.*, vol. 7, pp. 668-717.
- MÜLLER, JOHANN
1832. Beiträge zur Anatomie und Naturgeschichte der Amphibien. . . 8. Zur Anatomie der Genera *Chirotos*, *Lepidosternon*, *Amphisbaena* und einer neuen Gattung aus der Familie der Amphisbaenoidea, *Cephalopeltis*. In Tiedemann, Friedrich, G. R. Treviranus, and L. C. Treviranus, Zeitschrift für Physiologie, Untersuchungen über die Natur des Menschen, der Tiere und der Pflanzen. Heidelberg and Leipzig, vol. 4, no. 2, art. 19, pp. 190-275.
- MÜLLER, LORENZ
1924. Über neue oder seltene mittel- und südamerikanische Amphibien und Reptilien. Mitt. Zool. Mus. Berlin, vol. 11, no. 1, pp. 75-93.
1941. Über die in der Sammlung des Zoologischen Institutes der Universität

- Halle a. Saale aufbewahrten Amphibien und Reptilientypen. Zeitschr. Naturwiss., vol. 94, pp. 182-205.
- NEILL, WILFRED T.
1951. The eyes of the worm lizard, and notes on the habits of the species. *Copeia*, no. 3, pp. 177-178.
- NIKOLSKI, ALEKSANDR M.
1907. Reptiles et amphibiens, recueillis par Mr. N. A. Zaroudny en Perse en 1903-1904. *Ann. Mus. Zool. Acad. Imp. Sci. St. Pétersbourg*, vol. 10, no. 3-4, pp. 260-301.
- NOBLE, GLADWYN KINGSLEY
1921. Two new lizards from northwestern Peru. *Ann. New York Acad. Sci.*, vol. 29, pp. 141-143.
- OKEN, LORENZ
1815. *Lehrbuch der Naturgeschichte*. Leipzig, sect. 3, pt. 1, xxviii+850+ xviii pp.
- OPPEL, MICHAEL
1811. Die Ordnungen, Familien und Gattungen der Reptilien als Prodrum einer Naturgeschichte derselben. Munich, xii+87 pp.
- PARKER, HAMPTON WILDMAN
1928. A new species of lizard from Argentina. *Ann. Mag. Nat. Hist.*, ser. 10, vol. 2, no. 10, pp. 383-384.
1935. A new species of amphisbaenid lizard from Bechuanaland. *Ibid.*, ser. 10, vol. 15, pp. 582-583.
1942. The lizards of British Somaliland. *Bull. Mus. Comp. Zool.*, vol. 91, no. 1, pp. 1-101.
- PASTEUR, GEORGES, AND JACQUES BONS
1960. Catalogue des reptiles actuels du Maroc. Révision de formes d'Afrique, d'Europe et d'Asie. *Trav. Inst. Sci. Chérifien*, sér. zool., no. 21, pp. 1-132.
- PERACCA, MARIO GIACINTO
1895a. Viaggio del dott. Alfredo Borelli nella Repubblica Argentina e nel Paraguay. X. Rettili ed anfibi. *Boll. Mus. Zool. Univ. Torino*, vol. 10, no. 195, pp. 1-32.
1895b. Nuová specie di *Lepidosternum* del Museo Zoologico di Torino. *Ibid.*, vol. 10, no. 200, pp. 1-2.
1897. Viaggio del Dott. Alfredo Borelli nel Chacco boliviano e nella Repubblica Argentina. II. Rettili ed anfibi. *Ibid.*, vol. 12, no. 274, pp. 1-19.
1898. Descrizione di una nuova specie di amfisbena del Brasile. *Ibid.*, vol. 13, no. 326, pp. 1-2.
1903. Descrizione di una nuova specie del genere *Monopeltis* Smith, del Congo. *Ibid.*, vol. 18, no. 448, pp. 1-3.
1904. Viaggio del Dr. A. Borelli nel Matto Grosso brasiliano e nel Paraguay, 1899. IX. Rettili ed anfibi. *Ibid.*, vol. 19, no. 460, pp. 1-15.
1910. Rettili raccolti nell'alto Zambese (Barotseland) dal Signor Cav. Luiga Jalla. *Ibid.*, vol. 25, no. 624, pp. 1-6.
- PETERS, JAMES ARTHUR
1952. Catalogue of type specimens in the herpetological collection of the University of Michigan Museum of Zoology. *Occas. Papers Mus. Zool. Univ. Michigan*, no. 539, pp. 1-55.
- PETERS, WILHELM CARL HASKINS
1854. Diagnosen neuer Batrachier welche zusammen mit der früher (24 Juli und 12 August) gegebenen Übersicht der Schlangen und Eidechsen mitgeteilt werden. *Monatsber. Akad. Wiss. Berlin*, pp. 614-628.
1855. Übersicht der auf seiner Reise gesammelten Amphibien. *Arch. Naturgesch.*, vol. 21, no. 1, pp. 49-58.
1862. Übersicht einiger von dem, durch seine afrikanischen Sprachforschungen rühmlichst bekannten, Herr Missionär C. H. Hahn bei Neu-Barmen, im Hererolande, an der Westküste von Africa, im 21° südl. Br. gesammelten Amphibien, nebst Beschreibungen der neuen Arten. *Monatsber. Akad. Wiss. Berlin*, pp. 15-26.
1878a. Über zwei Scincoiden aus Australien und einer neuen *Amphisbaena* von Westafrika. *Sitzber. Gesell. Naturf. Fr. Berlin*, pp. 191-192.
1878b. Über vier neue amerikanische *Amphisbaena*-Arten. *Monatsber. Akad. Wiss. Berlin*, pp. 778-781.
1879. Über die Amphisbaenen und eine zu denselben gehörige neue Art (*Lepidosternon Wuchereri*). *Ibid.*, pp. 273-277.
1880. Über neue oder weniger bekannte Amphibien des Berliner Zoologischen Museums (*Leposoma dispar*, *Monopeltis (Phractogonus) jugularis*, . . .). *Ibid.*, pp. 217-224.
1882. Über eine neue Art und Gattung der Amphisbaenoiden, *Agamodon anguliceps*, mit eingewachsenen Zähnen, aus Barava (Ostafrika) und über die zu den Trogonophides gehörigen Gattungen. *Math. Nat. Mitteil. Sitzber. K. Preussischen Akad. Wiss. Berlin*, no. 3, pp. 321-326; *Sitzber. K. Preussischen Akad. Wiss. Berlin*, pp. 579-584.
- PROCTER, JOAN B.
1923. On new and rare reptiles from South

- America. Proc. Zool. Soc. London, pp. 1061-1068.
- RATHKE, HEINRICH
1863. Untersuchungen über die Arterien der Verdauungswerkzeuge der Saurier. Abhandl. Bayerischen Akad. Wiss., Math. Phys. Cl., vol. 9, no. 1, pp. 125-183.
- REINHARDT, JOHANNES, AND CHRISTIAN FREDERIK LÜTKEN
1862. Bidrag til det vestindiske Örges og navnlig til de dansk-vestindiske Öers Herpetologie. Vidensk. Meddel. Naturhist. For. Kjöbenhavn, nos. 10-18, pp. 153-291.
- RHODES, CHARLYN
1963. On *Amphisbaena fuliginosa* from Bolivia. Herpetologica, vol. 19, no. 3, pp. 175-178.
- ROMER, ALFRED SHERWOOD
1957. Osteology of the reptiles. Chicago, the University of Chicago Press, xxi+772 pp.
- RUTHVEN, ALEXANDER C.
1922. A new species of *Amphisbaena* from British Guiana. Occas. Papers Mus. Zool. Univ. Michigan, no. 122, pp. 1-2.
- SCHMIDT, KARL PATTERSON
1919. Contributions to the herpetology of the Belgian Congo based on the collection of the American Museum Congo Expedition 1909-1915. Part I. Turtles, crocodiles, lizards and chameleons. Bull. Amer. Mus. Nat. Hist., vol. 39, art. 2, pp. 385-729.
1928. Amphibians and reptiles of Porto Rico with a list of those reported from the Virgin Islands. In Scientific survey of Porto Rico and the Virgin Islands. New York, New York Academy of Sciences, vol. 10, pt. 1, pp. 1-160.
1936. Notes on Brazilian amphisbaenians. Herpetologica, vol. 1, no. 1, pp. 28-32.
- SCHMIDT, KARL PATTERSON, AND ROBERT F. INGER
1951. Amphibians and reptiles of the Hopkins-Branner Expedition to Brazil. Fieldiana, zool., vol. 31, no. 42, pp. 439-465.
- SCHNEIDER, JOHANN GOTTLÖB
1801. Historiae amphiborum naturalis et literariae. Jena, vol. 2, vi+364 pp.
- SCHÜZ, ERNST
1929. Verzeichnis der Typen des Staatlichen Museums für Tierkunde in Dresden. 1. Teil. Fische, Amphibien und Reptilien, mit einem Anhang: Die Schlangen der papuanischen Ausbeute Dr. Schlaginhaufens 1909. Abhandl. Ber. Mus. Tierk. Völk. Dresden, vol. 17, no. 2, pp. 1-16.
- SCORTECCI, GIUSEPPE
1931. Contributo alla conoscenza dei rettili e degli anfibi della Somalia, dell'Eritrea e dell'Abissinia. Boll. Mus. Zool. Univ. Torino, ser. 3, vol. 41, no. 10, pp. 1-26.
- SERIÉ, PEDRO
1915. La *Amphisbaena fuliginosa* L. en la Argentina. Physis, vol. 2, no. 9, pp. 42-43.
- SHAW, GEORGE
1795-1802. General zoology or systematic natural history. London, 1795, vol. 3, pt. 1, viii+312 pp.; 1802, vol. 3, pt. 2, vii+313-615 pp.
- SHAW, GEORGE, AND FREDERICK P. NODDER
1791-1795. The naturalist's miscellany. London, 1791, vol. 3, pl. 86 (2 pp. English text, 2 pp. in Latin, plus plate); 1795, vol. 5, pl. 212. [For dates see Sherborn, 1895, p. 75].
- SHERBORN, C. DAVIES
1895. On the dates of Shaw and Nodder's "Naturalist's miscellany." Ann. Mag. Nat. Hist., ser. 6, vol. 15, no. 88, pp. 75-76.
- SMITH, ANDREW
1834-1849. Illustrations of the zoology of South Africa. London, pp. 1-28, pls. 1-78. [See Waterhouse, 1880, for exact dates of publication.]
- SMITH, HOBART M.
1942. The publication dates of La Naturaleza. Lloydia, Cincinnati, vol. 5, pp. 95-96.
1946. Handbook of lizards of the United States and of Canada. Ithaca, New York, xxi+557 pp.
1949. Miscellaneous notes on Mexican lizards. Jour. Washington Acad. Sci., vol. 39, no. 1, pp. 34-43.
- SMITH, HOBART M., AND WALTER L. NECKER
1943. Alfredo Dugès types of Mexican reptiles and amphibians. An. Escuela Nac. Cien. Biol., vol. 3, nos. 1-2, pp. 179-233.
- SMITH, HOBART M., AND EDWARD H. TAYLOR
1950a. Type localities of Mexican reptiles and amphibians. Univ. Kansas Sci. Bull., vol. 33, pt. 2, no. 8, pp. 313-380.
- 1950b. An annotated checklist and key to the reptiles of Mexico exclusive of the snakes. Bull. U. S. Natl. Mus., no. 199, v+253 pp.
- STEJNEGER, LEONHARD
1904. The herpetology of Porto Rico. Rept. U. S. Natl. Mus., for 1902, pp. 551-724.
1911. Description of a new amphisbaenoid

- lizard from Peru. Proc. U. S. Natl. Mus., vol. 41, pp. 283-284.
1916. Notes on amphisbaenian nomenclature. Proc. Biol. Soc. Washington, vol. 29, p. 85.
- STERNFELD, RICHARD
1911. Zur Reptilien-fauna Deutsch-Ost-afrikas. Sitzber. Gesell. Naturf. Fr. Berlin, pp. 245-251.
- 1912a. Reptilia. In Wissenschaftliche Ergebnisse der Deutschen Zentral-Afrika Expedition 1907-1908. Leipzig, vol. 4, sect. 2, pt. 9, pp. 187-279.
- 1912b. Eine neue Scincidengattung aus Süd-afrika und eine neue Amphisbaenide aus Kamerun. Sitzber. Gesell. Naturf. Fr. Berlin, pp. 248-250.
- STOLL, N. R., AND OTHERS (EDS.)
1961. International Code of Zoological Nomenclature adopted by the XV International Congress of Zoology. London, xviii+176 pp.
- STRAUCH, ALEXANDRE
1881. Bemerkungen über die Eidechsenfamilie der Amphisbaeniden. Melanges Biol. Acad. Imp. Sci. St. Pétersbourg, vol. 11, pp. 355-479; *reprinted*: 1881, Bull. Acad. Imp. Sci. St. Pétersbourg, vol. 28, col. 45-131.
- SUCKOW, ADOLPH
1798. Anfangsgründe der theoretischen und angewandten Naturgeschichte der Thiere. Leipzig, vol. 3, 298 pp.
- TAYLOR, EDWARD H.
1933. Notes on type specimens of reptiles and amphibians in the "Alfredo Dugès" Museum, Guanajuato, Mexico. Copeia, no. 2, p. 97.
1951. Concerning Oligocene amphisbaenid reptiles. Univ. Kansas Sci. Bull., vol. 34, no. 1, pp. 521-579.
- THOMAS, RICHARD
1965. Two new subspecies of *Amphisbaena* (Amphisbaenia, Reptilia) from the Barahona Peninsula of Hispaniola. Breviora, no. 215, pp. 1-14.
1966. Additional notes on the amphisbaenids of greater Puerto Rico. *Ibid.*, no. 249, pp. 1-23.
- THOMINOT, A.
1887. Description de trois espèces nouvelles d'*Anolis* et d'un amphisbaenien. Bull. Soc. Philom. Paris, ser. 7, vol. 11, no. 4, pp. 182-190.
- TORNIER, GUSTAV
1899. Drei Reptilien aus Afrika. Zool. Anz., vol. 22, no. 588, pp. 258-261.
- VANDELLI, DOMINICI
1797. Florae et faunae Lusitanicae specimen. Mem. Acad. R. Sci. Lisboa, vol. 1, pp. 37-79.
- VANZOLINI, PAULO EMILIO
- 1948a. Contribuições ao conhecimento dos lagartos Brasileiros da familia Amphisbaenidae Gray, 1825. 2. Sobre o género *Aulura* Barbour, 1914. Bol. Mus. Paraense Emílio Goeldi, vol. 10, pp. 275-278.
- 1948b. Notas sobre os offídios e lagartos da Cachoeira de Emas, no município de Pirassununga, estado de São Paulo. Rev. Brasileira Biol., vol. 8, no. 3, pp. 377-400.
1949. Contribuições ao conhecimento dos lagartos brasileiros da familia Amphisbaenidae Gray, 1825. 3. Sobre *Amphisbaena vermicularis centralis* Amaral, 1935. An. Paulistas Med. Cirurgia, vol. 57, no. 2, pp. 105-108.
1950. Contribuições ao conhecimento dos lagartos Brasileiros da familia Amphisbaenidae Gray, 1825. I. Sobre uma nova subspecies insular de *Amphisbaena darwini* D. and B., 1839. Papéis Avulsos Dept. Zool., São Paulo, vol. 9, pp. 69-77.
- 1951a. *Amphisbaena fuliginosa*. Contribution to the knowledge of the Brazilian lizards of the family Amphisbaenidae Gray, 1825. 6. On the geographical distribution and differentiation of *Amphisbaena fuliginosa* Linné. Bull. Mus. Comp. Zool., vol. 106, no. 1, pp. 1-67.
- 1951b. A systematic arrangement of the family Amphisbaenidae (Sauria). Herpetologica, vol. 7, no. 3, pp. 113-123.
- 1953a. On the type locality of some Brazilian reptiles and amphibians collected by H. H. Smith and described by E. D. Cope. Copeia, pp. 124-125.
- 1953b. Sobre os nomes *Zygaspis* Cope e *Shrevea* Vanzolini. Papéis Avulsos, Dept. Zool., São Paulo, vol. 11, pp. 46-47.
1955. Contribuições ao conhecimento dos lagartos brasileiros da familia Amphisbaenidae Gray, 1825. 5. Distribuição geografica e biometria de *Amphisbaena alba*. Arq. Mus. Nac. Rio de Janeiro, vol. 42, pt. 2, pp. 683-705.
1964. *Amphisbaena bahiana*, sp. n., do Brasil (Sauria, Amphisbaenidae). Pilot Register of Zoology, Ithaca, New York, card no. 8.
- [MS.] Evolution, adaptation and distribution

- of the amphisbaenid lizards (Sauria: Amphisbaenidae). Cambridge, Massachusetts, thesis submitted to Harvard University, 1951, 148 pp.
- WAGLER, JEAN
 1824. *Serpentum Brasiliensium species novae, ou histoire naturelle des espèces nouvelles de serpens. . .* Jean de Spix. Monaco, viii+75+(1) pp.
1830. *Natürliches System der Amphibien.* Munich, vi+354 pp.
- WATERHOUSE, F. H.
 1880. On the date of publication of the parts of Sir Andrew Smith's "Illustrations of the zoology of South Africa." *Proc. Zool. Soc. London*, pp. 489-491.
- WEINLAND, D. F.
 1862. Beschreibung und Abbildung von drei neuen Sauriern. *Abhandl. Senckenbergischen Naturforsch. Gesell.*, vol. 4, no. 2, pp. 131-143.
- WERNER, FRANZ
 1898. Über einige neue Reptilien und einen neuen Frosch aus dem cilicischen Taurus. *Zool. Anz.*, no. 555, pp. 217-223.
1900. Reptilien und Batrachier aus Peru und Bolivien. *Abhandl. Ber. Zool. Anthropol. Mus. Dresden*, vol. 9, no. 2, pp. 1-14.
- 1910a. *Reptilia et Amphibia.* In Schultze, L., *Zoologische und anthropologische Ergebnisse einer Forschungsreise im westlichen und zentralen Südafrika.* Band IV, *Vertebrata B. Denkschr. Med.-Nat. Wiss. Gesell. Jena*, vol. 16, pp. 279-370.
- 1910b. Über neue oder seltene Reptilien des Naturhistorischen Museums in Hamburg. ii. Eidechsen. *Hamburg Jahrb. Wiss. Anst.*, vol. 27 (1909), suppl. no. 2, 1910, pp. 1-46; *reprinted*: 1910, *Mitteil. Naturhist. Mus. Hamburg*, vol. 27.
1915. *Reptilia und Amphibia.* In Michaelsen, W., *Beiträge zur Kenntnis der Land- und Süßwasserfauna Deutsch-Südwestafrikas. Ergebnisse der Hamburger deutsch-südwestafrikanischen Studienreise 1911.* Hamburg, pp. 325-376.
1931. Ergebnisse einer zoologischen Forschungsreise nach Marokko. *Unternom-*
men 1930 mit Unterstützung der Akademie der Wissenschaften in Wien von Franz Werner und Richard Ebner. III. *Amphibien und Reptilien.* *Sitzber. Akad. Wiss. Wien, Math. Nat. Kl.*, sect. 1, vol. 140, nos. 3, 4, pp. 271-318.
- WIED, MAXIMILIAN, PRINZ ZU
 1825a. *Abbildungen zur Naturgeschichte Brasiliens.* Weimar, no. 9.
- 1825b. *Beiträge zur Naturgeschichte von Brasilien.* Weimar, vol. 1, xxii+612 pp.
- WIEGMANN, AREND FRIEDRICH AUGUST
 1834. *Herpetologia Mexicana, seu descriptio amphiborum novae hispaniae. . . Pars prima, saurorum species.* Berlin, iv+54 pp.
1838. Ueber die fusslosen Amphisbaenen mit Brustschildern (*Lepidosternon* Wagl.). *Arch. Naturgesch.*, vol. 2, no. 1, pp. 152-158.
- WIEGMANN, AREND FRIEDRICH AUGUST, AND JOHANN FRIEDRICH RUTHE
 1831. *Handbuch der Zoologie.* Erste Auflage. Berlin, vi+622 pp.
- WITTE, GASTON FRANÇOIS DE
 1922. Description de reptiles nouveaux du Congo Belge. *Rev. Zool. Africaine*, vol. 10, pp. 66-71.
1933. Description de deux amphisbaenides nouveaux du Congo Belge. *Ibid.*, vol. 23, no. 2, pp. 168-171.
1953. Reptiles. Exploration du Parc National de l'Upemba. Mission G. F. de Witte. Institut des Parcs Nationaux du Congo Belge. Brussels, vol. 6, 322 pp.
1954. Revision des Amphisbaenidae du Congo Belge. Volume Jubilaire Victor von Straelen. Brussels, vol. 2, pp. 981-1010.
- WITTE, GASTON FRANÇOIS DE, AND RAYMOND F. LAURENT
 1942. Contribution à la systématique des Amphisbaenidae du Congo belge. *Rev. Zool. Bot. Africaine*, vol. 36, no. 1, pp. 67-86.
- WOLF, JOHANN
 1822. *Abbildungen und Beschreibungen merkwürdiger naturwissenschaftlicher Gegenstände.* Nuremberg, vol. 2, 160 pp.

INDEX TO SCIENTIFIC NAMES

All subspecific, specific, and generic names are listed alphabetically. Synonyms, homonyms, and emendations are referred to the name in current use. Bold-face numbers refer to main entries, but each page is cited only once. A specific name that has served to designate a type species is indicated. The family assignment follows the citation of all valid generic names.

acutus, *Geocalamus*, **81**
adercae, *Monopeltis*, **84**
adercai, *Monopeltis* (= *Monopeltis adercae*), **84**
affine, *Lepidosternum* (= *Leposternon affine*), **81, 83**
africana, *Baikia* (type species of *Baikia*), **77**
Agamodon (Trogonophidae), **67**
alba, *Amphisbaena*, **68**
albissima, *Amphisbaena* (= *Amphisbaena mertensi*), **72**
albocingulata, *Amphisbaena* (= *Amphisbaena prunicolor albocingulata*), **74**
amazonica, *Amphisbaena fuliginosa*, **71**
ambuellensis, *Amphisbaena* (= *Zygaspis q. quadrifrons*), **88**
americana, *Amphisbaena* (= *Amphisbaena fuliginosa fuliginosa*), **70**
Amphisbaena (Amphisbaenidae), **68, 79, 80, 84**
Amphisbaenula (= *Chirindia*), **79**
anchietae, *Lepidosternon* (*Phractogonus*) (= *Monopeltis anchietae*), **84, 86**
Ancyclocranium (= *Ancyclocranium*), **76**
Ancyclocranium (Amphisbaenidae), **76**
anguliceps, *Agamodon* (= *Agamodon anguliceps anguliceps*), (type species of *Agamodon*), **67**
angustifrons, *Amphisbaena*, **68**
anomala, *Aulura* (type species of *Aulura*), **77**
Anops (Amphisbaenidae), **76**
Anopsibaena (= *Anops*), **76**
antillensis, *Amphisbaena* (= *Amphisbaena fenestrata*), **70**
Aporarchus (= *Amphisbaena*), **68**
aporus, *Blanus* (= *Blanus strauchi aporus*), **78**
arabicus, *Agamodon*, **67**
Aulura (Amphisbaenidae), **77**

bahiana, *Amphisbaena*, **69**
Baikia (Amphisbaenidae), **76, 77**
bakeri, *Amphisbaena*, **69**
barboursi, *Amphisbaena cubana*, **69**
barkeri, *Ancyclocranium* (= *Ancyclocranium barkeri barkeri*), **76**
bassleri, *Amphisbaena fuliginosa*, **70**
bedriagae, *Blanus* (= *Blanus strauchi bedriagae*), **78**
beniënsis, *Amphisbaena* (= *Amphisbaena alba*), **68**
bifrontalis, *Amphisbaena* (= *Cynisca bifrontalis*), **80**

Bimanus (= *Bipes*), **77**
Bipes (Amphisbaenidae), **77**
biporus, *Euchirotetes* (= *Bipes biporus*), (type species of *Euchirotetes*), **77**
blanoides, *Cadea*, **78, 79, 82**
Blanus (Amphisbaenidae), **78**
boettgeri, *Lepidosternon* (= *Leposternon boettgeri*), **81, 82**
bohlsii, *Amphisbaena* (= *Amphisbaena mertensi*), **72**
boliviana, *Amphisbaena* (= *Amphisbaena camura*), **69**
bolivica, *Amphisbaena camura* (= *Amphisbaena camura*), **69**
borellii, *Amphisbaena* (= *Amphisbaena steindachneri borellii*), **75**
borellii, *Lepidosternum* (= *Leposternon borellii*), **82**
boulengeri, *Amphisbaena* (= *Amphisbaena mertensi*), **72**
boulengeri, *Lepidosternum* (= *Leposternon boulengeri*), **82**
boulengeri, *Monopeltis* (= *Monopeltis guentheri*), **85**
boveei, *Monopeltis* (= *Monopeltis galeata*), **85**
brachyura, *Amphisbaena* (= *Amphisbaena pretrei*), **73**
brasiliiana, *Bronia* (type species of *Bronia*), **78**
brevis, *Pachycalamus* (type species of *Pachycalamus*), **67**
Bronia (Amphisbaenidae), **78**
bulsi, *Monopeltis scalper*, **86**
bushbyi, *Chirindia*, **79**

Cadea (Amphisbaenidae), **78**
caeca, *Amphisbaena* (type species of *Typhloblanus*; not type species of *Sarea*), **68, 69**
camerani, *Lepidosternum* (= *Leposternon camerani*), **82**
camura, *Amphisbaena*, **69**
canaliculatus, *Bipes* (type species of *Bipes*, *Microdipus*, and *Chirotes*), **77**
caniculatus, *Bipes* (= *Bipes canaliculatus*), **89**
capensis, *Monopeltis* (= *Monopeltis capensis capensis*), (type species of *Monopeltis* and *Monotrophis*), **84, 85**
capensis, *Amphisbaena* (= *Zygaspis quadrifrons capensis*), **89**
carcani, *Lepidosternon* (= *Leposternon carcani*), **82**
carruccii, *Amphisbaena* (= *Amphisbaena mertensi*), **72**
carvalhoi, *Amphisbaena*, **69**
catangae, *Amphisbaena quadrifrons* (= *Zygaspis quadrifrons capensis*), **89**
caudalis, *Amphisbaena* (= *Amphisbaena innocens caudalis*), **72**

- centralis*, *Amphisbaena vermicularis* (= *Amphisbaena vermicularis*), 75
Cephalopeltis (= *Leposternon*), 81
Chirindia (*Amphisbaenidae*), 68, 79
Chirotos (= *Bipes*), 77
cinerea, *Amphisbaena* (= *Blanus cinereus cinereus*), (type species of *Blanus*), 78
closei, *Monopeltis vanderysti*, 87
coeca, *Amphisbaena* (= *Amphisbaena caeca*), (type species of *Typhloblanus*), 68
colobura, *Monopeltis* (= *Tomuropeltis granti colobura*), 87, 88
compressus, *Agamodon*, 67
crassum, *Lepidosternon* (= *Leposternon crassum*), 82
cubana, *Amphisbaena* (= *Amphisbaena cubana cubana*), 69
cuvieri, *Cephalopeltis* (= *Leposternon scutigerum*), (type species of *Cephalopeltis*), 81, 83
Cynisca (*Amphisbaenidae*), 68, 80

Dalophia (= *Monopeltis*), 84
darwini, *Amphisbaena* (= *Amphisbaena darwini darwini*), 69
decosteri, *Monopeltis*, 85
degrysi, *Placogaster* (= *Cynisca degrysi*), 80
devisi, *Monopeltis* (= *Monopeltis anchietae*), 84
Diphalus (= *Amphisbaena*), 68
Diplometopon (*Trogonophidae*), 67
diporus, *Euchirotos* (= *Bipes biporus*), 77
dissecta, *Amphisbaena alba* var. (= *Amphisbaena alba*), 68
dolichomenta, *Amphisbaena dolichomenta* (= *Zygaspis quadrifrons dolichomenta*), 89
dubia, *Amphisbaena* (Müller), 70
dubia, *Amphisbaena* (Rathke) (= *Amphisbaena fuliginosa amazonica*), 70, 71
dumerilii, *Lepidosternum* (= *Monopeltis galeata*), 85

elegans, *Amphisbaena* (= *Trogonophis wiegmanni elegans*), 67
ellenbergeri, *Monopeltis* (= *Tomuropeltis ellenbergeri*), 87, 88
Euchirotos (= *Bipes*), 77
ewerbecki, *Chirindia* (= *Chirindia ewerbecki ewerbecki*), 79
exalbida, *Amphisbaena* (= *Amphisbaena alba*), 68

feae, *Placogaster* (= *Cynisca feae*), (type species of *Placogaster*), 80
fenestrata, *Amphisbaena*, 70
fenestratus, *Diphalus* (= *Amphisbaena fenestrata*), (type species of *Diphalus*), 68, 70
flava, *Amphisbaena* (= *Amphisbaena fuliginosa fuliginosa*), 70
flavescens, *Amphisbaena* (= *Amphisbaena alba*), 68

floridanum, *Lepidosternum* (= *Rhineura floridana*), (type species of *Rhineura*), 87
fuliginosa, *Amphisbaena* (= *Amphisbaena fuliginosa fuliginosa*), (type species of *Amphisbaena*), 68, 70

galeata, *Amphisbaena* (= *Anops kingi*), 77
galeatus, *Phractogonus* (= *Monopeltis galeata*), (type species of *Phractogonus*), 84, 85
gazei, *Monopeltis capensis*, 85
Geocalamus (*Amphisbaenidae*), 81
gerardi, *Monopeltis* (= *Monopeltis scalper gerardi*), 86
giganteus, *Monopeltis* (= *Tomuropeltis gigantea*), (type species of *Tomuropeltis*), 87
Glyptoderma (= *Amphisbaena*), 68
gonavensis, *Amphisbaena innocens* (= *Amphisbaena gonavensis gonavensis*), 71
gracilis, *Amphisbaena*, 71
granti, *Monopeltis* (= *Tomuropeltis granti granti*), 87
grayii, *Lepidosternon* (= *Leposternon polystegum*), 83
güntheri, *Lepidosternon* (= *Leposternon guntheri*), 82
guentheri, *Monopeltis*, 85

haasi, *Ancylocranium ionidesi*, 76
habenichti, *Monopeltis*, 85
haughi, *Amphisbaena* (= *Cynisca haughi*), 80
heathi, *Amphisbaena*, 71
Hemichirotos (= *Bipes*), 77
hemprichii, *Lepidosternon* (= *Leposternon scutigerum*), 83
heterozonata, *Amphisbaena* (= *Amphisbaena darwini heterozonata*), 69
heterozonatum, *Lepidosternon* (= *Amphisbaena darwini heterozonata*), 69
hogeii, *Amphisbaena darwini* (= *Amphisbaena hogei*), 71
huebneri, *Amphisbaena* (= *Mesobaena huebneri*), 84
huebneri, *Mesobaena* (type species of *Mesobaena*), 84
hyporissor, *Amphisbaena gonavensis*, 71

immaculatus, *Agamodon anguliceps*, 67
infraorbitale, *Lepidosternum* (= *Leposternon infraorbitale*), 82
innocens, *Amphisbaena* (= *Amphisbaena innocens innocens*), 71
ionidesi, *Ancylocranium* (= *Ancylocranium ionidesi ionidesi*), 76
ionidesii, *Amphisbaena* (= *Loveridgea ionidesi*), 84

jallae, *Monopeltis* (= *Tomuropeltis jallae*), 88
jugularis, *Monopeltis* (*Phractogonus*) (= *Monopeltis jugularis*), 85

- kabindae*, *Monopeltis*, 86
katangae, *Amphisbaena quadrifrons* (= *Zygaspis quadrifrons capensis*), 89
kingi, *Anops*, 76
knighii, *Amphisbaena* (= *Amphisbaena angustifrons*), 68
koppenselsii, *Lepidosternon* (= *Monopeltis jugularis*), 85
kraussi, *Amphisbaena* (= *Cynisca kraussi*), 80
kuanyamarum, *Monopeltis granti* (= *Tomuropeltis pistillum*), 88

lamottei, *Amphisbaena* (= *Cynisca lamottei*), 80
langi, *Chirindia*, 79
laticeps, *Lepidosternon* (= *Leposternon laticeps*), 82
latifrontale, *Lepidosternon* (= *Leposternon latifrontale*), 82
leberi, *Amphisbaena gonavensis*, 71
leeseri, *Amphisbaena*, 72
leonhardi, *Monopeltis*, 84, 86
leonina, *Amphisbaena* (= *Cynisca leonina*), 80
Lepidosternon (= *Leposternon*), 81
Leposternon (*Amphisbaenidae*), 81
Leposternum (= *Leposternon*), 81
Leptosternon (= *Leposternon*), 81
leucocephala, *Amphisbaena*, 72
leucura, *Amphisbaena* (= *Cynisca leucura*), (type species of *Cynisca*), 80
liberiensis, *Ophioproctes* (= *Cynisca liberiensis*), (type species of *Ophioproctes*), 80, 81
longicauda, *Monopeltis ?colobura* (= *Tomuropeltis granti colobura*), 88
Loveridgea (*Amphisbaenidae*), 68, 83, 84
lujae, *Monopeltis* (= *Monopeltis vanderysti lujae*), 87
luluae, *Monopeltis* (= *Tomuropeltis luluae*), 88
lumbricoides, *Lacerta* (= *Bipes canaliculatus*), 77

macrocephalum, *Lepidosternon* (= *Leposternon microcephalum*), 82
macrura, *Amphisbaena* (= *Cynisca leucura*), 80
magnifica, *Amphisbaena* (= *Amphisbaena fuliginosa fuliginosa*), 70
magnipartitus, *Monopeltis* (*Phractogonus*) (= *Monopeltis galeata*), 85
manni, *Amphisbaena*, 72
maroccana, *Trogonophis wiegmanni* (= *Trogonophis wiegmanni elegans*), 68
matlogrossensis, *Amphisbaena* (= *Amphisbaena mertensi*), 72
mauricei, *Monopeltis*, 86
maximiliani, *Lepidosternon* (= *Leposternon microcephalum*), 82
meridionalis, *Amphisbaena dolichomenta* (= *Zygaspis quadrifrons dolichomenta*), 89
mertensii, *Amphisbaena* (= *Amphisbaena mertensi*), 72
Mesobaena (*Amphisbaenidae*), 84

mettetalii, *Blanus cinereus*, 78
mexicana, *Lacerta* (= *Bipes canaliculatus*), 77
microcephalum, *Leposternon*, 82
microcephalus, *Leposternon* (= *Leposternon microcephalum*), (type species of *Leposternon*), 79, 81, 82
Microdipus (= *Bipes*), 77
mildei, *Amphisbaena* (= *Amphisbaena darwini trachura*), 70
mittchelli, *Amphisbaena*, 72
modestus, *Geocalamus* (type species of *Geocalamus*), 81
Monaspis (= *Monopeltis*), 84
Monopeltis (*Amphisbaenidae*), 84
Monotrophis (= *Monopeltis*), 84
mossambica, *Monopeltis* (= *Tomuropeltis granti granti*), 88
mpwapwaensis, *Amphisbaena* (= *Chirindia mpwapwaensis*), 79
mülleri, *Amphisbaena* (= *Cynisca mulleri*), 81
multiannulatus, *Bipes canaliculatus* (= *Bipes canaliculatus multiannulatus*), 89
munoai, *Amphisbaena*, 72

nanguruwensis, *Amphisbaena* (*Cynisca*) (= *Chirindia ewerbecki nanguruwensis*), 79
neglecta, *Amphisbaena*, 73
newalaensis, *Amphisbaena* (*Cynisca*) (= *Chirindia rondoensis*), 79
newalae, *Ancylocranium barkeri*, 76
nigricauda, *Amphisbaena*, 73
nollei, *Geocalamus* (= *Geocalamus acutus*), 81

occidentalis, *Amphisbaena* (= *Amphisbaena occidentalis occidentalis*), 73
octostegum, *Lepidosternon* (= *Leposternon octostegum*), 82
ocularis, *Monopeltis*, 86
okavangensis, *Monopeltis* (= *Monopeltis anchietae*), 84
oligopholis, *Amphisbaena* (= *Cynisca oligopholis*), 81
onychocephalum, *Lepidosternum* (= *Leposternon onychocephalum*), 83
Ophioproctes (= *Cynisca*), 80
orientalis, *Amphisbaenula* (= *Chirindia orientalis*), (type species of *Amphisbaenula*), 79
oxyrhynchus, *Rhinoblanus* (= *Amphisbaena steindacheri steindachneri*), 75
oxyura, *Amphisbaena* (= *Blanus cinereus*), 78

Pachycalamus (*Trogonophidae*), 67
pachyura, *Amphisbaena* (= *Amphisbaena alba*), 68
palirostrata, *Cadea*, 79
parkeri, *Ancylocranium somalicum*, 76
pericensis, *Amphisbaena*, 73
petersii, *Amphisbaena* (= *Cynisca leucura*), 80
petersii, *Lepidosternon* (= *Leposternon petersi*), 83

- petraei*, *Amphisbaena* (= *Amphisbaena pretrei*), 73
petrei, *Amphisbaena* (= *Amphisbaena pretrei*), 73
pfefferi, *Lepidosternon* (= *Leposternon pfefferi*), 81, 83
phocaena, *Lepidosternon* (= *Leposternon phocaena*), 83
Phractogonus (= *Monopeltis*), 84
phylofiniens, *Amphisbaena* (= *Loveridgea phylofiniens*), (type species of *Loveridgea*), 83, 84
pistillum, *Monopeltis* (= *Tomuropeltis pistillum*), 88
Placogaster (= *Cynisca*), 68, 80
plumbea, *Amphisbaena*, 73
polygrammica, *Amphisbaena*, 73
polystegoides, *Leposternon*, 83
polystegum, *Lepidosternon* (= *Leposternon polystegum*), 83
pretrei, *Amphisbaena*, 73
pretrii, *Amphisbaena* (= *Amphisbaena pretrei*), 73
propus, *Chamaesaura* (= *Bipes canaliculatus*), (type species of *Bimanus*), 77
prunicolor, *Aporarchus* (= *Amphisbaena prunicolor prunicolor*), (type species of *Aporarchus*), 68, 73
punctata, *Amphisbaena* (Bell) (= *Cadea blanoides*), (type species of *Cadea*), 78
punctata, *Amphisbaena* (Wied) (= *Leposternon microcephalum*), 79, 82

quadrifrons, *Amphisbaena* (= *Zygaspis quadrifrons quadrifrons*), (type species of *Zygaspis* and *Shrevea*), 88
quadriscutata, *Monopeltis* (= *Monopeltis anchietae*), 84

radiata, *Amphisbaena alba* var. (= *Amphisbaena alba*), 68
remaclei, *Monopeltis*, 86
reticulata, *Amphisbaena* (= *Blanus cinereus cinereus*), 78
Rhineura (*Amphisbaenidae*), 87
Rhinoblanus, 75
ridleyi, *Amphisbaena* (type species of *Sarea*), 68, 74
roberti, *Amphisbaena*, 74
rondoensis, *Amphisbaena* (= *Chirindia rondoensis*), 79
rosea, *Amphisbaena* (= *Amphisbaena alba*), 68
rostratum, *Lepidosternum* (= *Leposternon rostratum*), 83
rozei, *Amphisbaena*, 74
rufa, *Amphisbaena* (= *Blanus cinereus cinereus*), 78

Sarea (= *Amphisbaena*), 68
scalper, *Phractogonus* (= *Monopeltis scalper scalper*), 86
schaeferi, *Chirindia* (= *Cynisca schaeferi*), 81

schmidti, *Amphisbaena*, 74
schoutedeni, *Monopeltis*, 86
scutigera, *Amphisbaena* (= *Leposternon scutigerum*), 83
semipunctata, *Monopeltis* (= *Monopeltis jugularis*), 85
Shrevea (= *Zygaspis*), 88
silvestrii, *Amphisbaena*, 74
sinuosum, *Lepidosternum* (= *Leposternon sinuosum*), 83
slateri, *Amphisbaena*, 74
slevini, *Amphisbaena*, 74
somalicus, *Anops* (= *Ancylocranium somalicum somalicum*), (type species of *Ancylocranium*), 76
Sphenocephalus (= *Leposternon*), 81
sphenorhynchum, *Lepidosternon* (= *Monopeltis sphenorhynchus*), 86
spixi, *Amphisbaena* (= *Amphisbaena vermicularis*), 75
spurrelli, *Amphisbaena*, 74
steindachneri, *Amphisbaena* (= *Amphisbaena steindachneri steindachneri*), 74
stejnegeri, *Amphisbaena*, 75
strauchi, *Blanus* (= *Blanus strauchi strauchi*), 78
strauchii, *Lepidosternum* (= *Leposternon strauchi*), 83
subocularis, *Amphisbaena* (= *Amphisbaena pretrei*), 73
sulcata, *Lacerta* (= *Bipes canaliculatus*), 77
swynnertoni, *Chirindia* (type species of *Chirindia*), 79, 80

Tomuropeltis (*Amphisbaenidae*), 87
townsendi, *Amphisbaena* (= *Amphisbaena occidentalis townsendi*), 73
trachura, *Amphisbaena* (= *Amphisbaena darwini trachura*), 70
transvaalensis, *Monopeltis granti* (= *Tomuropeltis granti transvaalensis*), 88
tridactylus, *Hemichirotos* (= *Bipes tridactylus*), (types species of *Hemichirotos*), 77
Trigonophis (= *Trogonophis*), 67
Trogonophis (*Trogonophidae*), 67
truncata, *Monopeltis* (= *Tomuropeltis gigantea*), 87
Typhloblanus (= *Amphisbaena*), 68

unirostralis, *Monopeltis* (= *Monopeltis galeata*), 85

vandami, *Amphisbaena* (= *Amphisbaena violacea vandami*), 75
vanderysti, *Monopeltis* (= *Monopeltis vanderysti vanderysti*), 86, 87
vanzolinii, *Amphisbaena*, 75
varia, *Amphisbaena* (= *Amphisbaena fuliginosa varia*), 70
vermicularis, *Amphisbaena* (type species of *Glyptoderma*), 68, 75
vernayi, *Monopeltis* (= *Monopeltis leonhardi*), 86

vilhenai, *Monopeltis vanderysti*, **87**

violacea, *Amphisbaena* (= *Amphisbaena violacea violacea*), **68, 75, 84**

vulgaris, *Amphisbaena* (= *Amphisbaena fuliginosa fuliginosa*), **70**

weinlandi, *Amphisbaena* (= *Amphisbaena innocens innocens*), **72**

welwitschii, *Dalophia* (= *Monopeltis welwitschii*), (type species of *Dalophia*), **84, 87**

wiedi, *Amphisbaena fuliginosa*, **71**

wiegmanni, *Trogonophis* (= *Trogonophis wieg-*

manni wiegmanni), (type species of *Trogonophis*), **67**

wuchereri, *Lepidosternon* (= *Leposternon wuchereri*), **83**

xera, *Amphisbaena*, **75**

zaroudnyi, *Pachycalamus* (= *Diplometopon zaroudnyi*), **67**

zarudnyi, *Diplometopon* (type species of *Diplometopon*), **67**

Zygaspis (*Amphisbaenidae*), **68, 84, 88**

