

BULLETIN
OF THE
American Museum of Natural
History.

Vol. XXIX, 1911.

EDITOR, J. A. ALLEN.

A SYNONYMIC INDEX-CATALOGUE OF SPIDERS OF NORTH,
CENTRAL AND SOUTH AMERICA WITH ALL ADJACENT
ISLANDS, GREENLAND, BERMUDA, WEST INDIES,
TERRA DEL FUEGO, GALAPAGOS, ETC.

BY
ALEXANDER PETRUNKEVITCH, PH. D.

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Continued from 3rd page of cover.)

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PART III.—The Chuckchee: Social Organization. By W. Bogoras. Pp. 537–733, pl. xxxv. and 1 text figure. 1909. Price, \$3.00.

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DEL FUEGO, GALAPAGOS, ETC. . . .

BY

ALEXANDER PETRUNKEVITCH, PH. D.

Honorary Curator for Arachnida at the American Museum of Natural History.

PART I.—BIBLIOGRAPHY.

PART II.—LIST OF SPECIES WITH SYNONYMS AND REF-
ERENCES.

PART III.—ALPHABETIC INDEX TO SYNONYMS.

INTRODUCTION.

As an extensive knowledge of the structure and development of an animal is indispensable for the understanding of the origin of its habits and instincts and of its biological relation to the rest of Nature, so an exhaustive study of the species is imperative for a clear insight into the meaning of geographical distribution, of intergrading and isolated faunas and of their bearing on the great problems of evolution. Complete treatises of local faunas, such as have been published for many groups of animals of European countries, are the ideal basis for further research. Unfortunately there is no such treatise on spiders not only for the entire American Continent, but even for the United States. The excellent little book of Emerton, *Common Spiders*, does not pretend to be such a treatise and being far from complete is intended primarily to teach the beginner to recognize species which do not offer difficulties of identification. Keyserling's great work while remaining a standard of excellent descriptions and drawings of a great quantity of spiders, has at present no faunistic value, since many hundreds of species have been described after its publication. The two wonderful volumes in the *Biologia Centrali-Americana* come perhaps nearest to an ideal treatise of a local fauna, a treatise perfect in every respect, but, as I myself had opportunity to control during my trip to the tropical forests of the Mexican lowlands, fall far short of the immense wealth of forms encountered in Central America. No other attempt has been made to give a work comprising all known species of a local fauna and the growing number of recently described new species makes such a work almost impossible. The difficulty is still further increased by the fact that the bibliography of the subject is very extensive and that many papers have been published in little accessible magazines. Many other species have been described in papers dealing with spiders from various regions or even continents. Again others have been published in bulletins of meetings of different societies, have no title and have in consequence escaped notice by the *Zoölogical Record*. The first help in such a condition is a synonymic catalogue and monographs of special groups. Marx published twenty years ago two catalogues, one of spiders of the United States, the other of those of the District of Columbia. Both are even at present of great help although considerably antiquated. Quite recently a catalogue was published of the spiders of New England by Miss Bryant and one of Nearctic Spiders by Mr. Banks. Of the monographs of special groups those of the late F. Cambridge on the Cteniform spiders and on *Latrodectus* of the

world are of great value, as well as those of Chamberlin on the Lycosidæ of North America and of the Peckhams on the Attids. McCook's great work on the Orbweaving spiders of the United States will for a long time still remain a standard, but from the point of view of systematics this group undoubtedly requires a thorough reinvestigation. But no attempt has been made as yet to give if not a complete treatise, at least a complete list of all the species of the western continent, although such a list would greatly facilitate further research. The present catalogue, the first attempt of its kind, is intended to meet this want.

For the convenience of the student I have divided the catalogue into three parts: (1) The Bibliography, (2) The List of species with synonyms and references, (3) An alphabetic index to synonyms.

FIRST PART, BIBLIOGRAPHY.—To make a complete list of papers dealing with American spiders is by no means easy. The majority of the titles were readily gathered from the bibliographic works of Agassiz, Taschenberg, the *Zoologischer Anzeiger* (*Bibliographia zoologica*) and the *Zoölogical Record*. But I soon found that this method alone would leave the list very incomplete, and that besides, the references given in the works mentioned, especially in the last, abound in errors which, however slight, are often of such a kind as to make it at times very difficult to find the papers referred to. In consequence I have found myself forced to examine carefully all zoölogical magazines and works from the time of Linnæus up to the present year. To accomplish this it was necessary to visit all the libraries in New York, Boston, Cambridge, Philadelphia and Washington and the present list is in all probability as near perfection as may be expected from one obliged to do his work without assistance. As I have already stated, a great many papers contain descriptions of species from different countries, others have no title whatever. Therefore it was necessary to carefully peruse every paper dealing with spiders, and whenever a description of an American spider was encountered, such an article was incorporated into the list.

SECOND PART.—The arrangement of the second part requires some explanation. The division into families is in accordance with the system of Simon, laid down in his *Histoire Naturelle des Araignées*. The only deviation I allowed myself is the recognition of his two subfamilies, Linyphiinæ and Erigoninæ, as one family, Linyphiidæ, leaving to the family Argiopidæ his subfamilies Tetragnathinæ, Nephilinæ and Argiopinæ. At first I intended to arrange the genera in the same sequence as that given by Simon. Two objections however stood in the way of such an arrangement. The first and chief objection is that although the genera accepted in this catalogue conform to the definitions given to them by

Simon, only about half of the species described belong really to the genera under which they are placed. An attempt to place all species under the proper genera would be futile. Not only the older descriptions of Walckenaer, Nicolet, C. Koch and Hentz give no clue to the correct generic position of many of their species, but even the more recent works of Emerton and Banks, indeed even some of the descriptions of F. Cambridge, one of the most accomplished students of genera, do not mention some of the indispensable generic characters. The descriptions of L. Koch and of Count Keyserling are in that respect much better and I was able to place correctly some of their species. Other species were placed by Simon from the types still existing in the Paris Museum, by Strand from descriptions, by Crosby, Chamberlin and Peckham from types and specimens contained in the American collections. My private collection and that of the American Museum were of help to me in placing some of Banks's and Emerton's species. With all that, a great number of species remains placed under that genus to which they were assigned originally, although they do not belong there any more. The result is, that do as I might I should not be able to arrange the genera and species in such a way as to represent the structural relation between them. The second objection is that such an arrangement would require a special alphabetic list of genera with references to pagination, making the use of the catalogue, already imperfect, still more difficult. In view of these objections I arranged the genera alphabetically for each family, and the species alphabetically for each genus.

The genera accepted in this catalogue are in full accord with the definitions given to them by Simon. This will be appreciated by every student desirous to learn the relations between species and genera. No other work has ever been published which shows such a wonderful grasp of the subject and such extensive knowledge of forms as the *Histoire Naturelle des Araignées*. As Thorell and Simon have pointed out, the original definition of genera given by the older arachnologists cannot be used at present without considerable limitations. Simon's researches, now extending over half a century and embodied in the work mentioned, must necessarily be made the starting point of every future investigation. A serious departure from it would deprive a work such as this catalogue of the uniformity without which it would be very defective. Some new genera have been established since the publication of Simon's work and these have of course been incorporated according to the definitions given to them by their authors and with reference to the publications in which they have appeared. For the definitions and the complicated synonymy of all the remaining genera the student is simply referred to Simon's work. This simplifies the handling of the catalogue which is primarily a list and an index and not a system.

DEPARTURES FROM SIMON'S WORK. THE INTRODUCTION OF A NEW TERM, COHORS.—Some departures were, however, found to be necessary and they should be mentioned. Examining the spiders of the whole world and finding many intergrading species Simon was forced to throw together some genera into single provisional groups to which he gives the position of genera, but which are in reality considerably more comprehensive. They may be regarded as a first means of avoiding difficulties, conglomerates of genera with distinct types and intergrading species. To such conglomerates I propose the name COHORS, it being a short word with a meaning somewhat different from that understood by supergenus, the latter term having a definite position in the system. All the old genera of Walckenaer, Koch and others may be at present regarded as such cohortes, but the majority of them have been gradually split into definite genera. Still several remain. The genus *Erigone* as used by Keyserling is in my sense a cohors. Simon divided it many years ago into a number of real genera accepted in the present catalogue and limited the genus *Erigone* to forms possessing only certain characters. But unfortunately the species described by Keyserling cannot be placed in Simon's system from the mere descriptions and I had neither time nor opportunity to examine those of his types which still exist. Under the genus *Erigone* will therefore be found a great number of forms that do not belong to it and to facilitate future work for the student I have in each case mentioned whether or not the genus is correct. In the family Argiopidae, Simon's *Araneus* is a cohors. F. Cambridge has made an attempt to split this cohors into several true genera but his work was only tentative and his genera cannot be ranked with such as are well established. Some future student will have this enormous task to accomplish. Meanwhile I thought it wise to place all genera of F. Cambridge under the cohors *Araneus*, but also to indicate his genus by putting it in parentheses. All species referred by earlier writers to Walckenaer's genus *Epeira* and not yet correctly placed, will likewise be found under *Araneus*. Some of them may prove not to belong to the undergroup Araneinae of Simon and be placed eventually under *Mangora*, *Cyclosa*, etc., as in the case of *Mangora (Epeira) gibberosa* Hentz. In the family Lycosidae *Lycosa* forms a cohors, but since this family contains only a few genera, I left the genera *Alopecosa*, *Allocosa*, *Schizocosa*, *Arctosa*, etc. I do not suppose that these genera will all withstand criticism, perhaps with the single exception of *Schizocosa*, but I did not want to add new names where it was easy to avoid it. Finally, in the Salticidae there remain two cohortes, *Attus* and *Dendryphantes*. The species belonging to the former cannot at present be properly classified and had to be left as they were. With the cohors *Dendryphantes* it was somewhat different and here I fol-

lowed the same rule as in *Araneus*, giving new names where it was necessary and mentioning the provisional genus in parentheses.

DEPARTURES FROM THE RULES OF NOMENCLATURE.— It is unfortunate that a great number of species have been described under names already preoccupied by other authors. According to the rules of nomenclature gradually worked out by the successive international zoölogical congresses, such names should be regarded as homonyms and new names substituted for them. This rule seems simple at the first glance, but many difficulties appear when one begins to inquire into what really constitutes a homonym. We have seen that the older authors had an entirely different conception of genera from our own. It is evident that two identical names sounding like true homonyms, one given, say by Walckenaer and the other by some modern arachnologist, may not be really homonyms at all, since Walckenaer included under his genera forms now assigned to entirely different ones. Where an old species inadequately described, has not been placed by any of the more recent arachnologists and another spider was in the mean time properly described under the same name, it seemed to me to be wiser not to change the later name since in the end it may be found not to constitute a homonym of the earlier one. Similar pseudo-homonyms are met with in almost all families of spiders. Another type of pseudo-homonym occurs when one of the species has been described under a wrong genus. In this case, it would, in my opinion, be equally objectionable to change the later name. A few examples will illustrate this case.

C. Koch described a spider in 1846 under the name of *Gasteracantha pallida*, and in 1849 Nicolet described an entirely different spider under the same name. According to the rules of nomenclature the name of the latter is a homonym and should be changed; but *Gasteracantha pallida* C. Koch is a synonym of *Gasteracantha tetracantha* Linnæus, while *Gasteracantha pallida* Nicolet belongs to the genus *Glyptogona* (*Glyptogona pallida* Nicolet). *Epeira cylindrica* Taczanowski (1873) has priority over *Epeira cylindrica* F. Cambridge, but the former is a synonym of *Epeira truncata* Keyserling. Why should then the *Epeira cylindrica* F. Cambridge be given a new name?

Under a true homonym I understand only identical names of such species as actually belong to the same genus and there the older name clearly has priority, as for example *Tetragnatha banksi* McCook and *Tetragnatha banksi* F. Cambridge.

Another difficulty lies in the fact that some authors recognized two or more genera which Simon later contracted into a single genus. Thus *Chryso* and *Theridion* are in Simon's system synonyms. Now Keyserling described in 1884 a *Chryso nigriceps* and in 1891 a *Theridion nigriceps*.

The former becoming in Simon's system a *Theridion* has undoubted priority, but if we leave the original name a terrible confusion will result. The *Chryso nigriceps* would become *Theridion nigriceps*, but not what Keyserling has described under the name of *Theridion nigriceps*, and the *Theridion nigriceps* of Keyserling would have to receive a new name. The rules of nomenclature propose in such cases to leave the specific name to the species which was first described and to put the name of the author in parentheses, *i. e.*, the *Chryso nigriceps* Keyserling would become *Theridion nigriceps* (Keyserling) and *Theridion nigriceps* Keyserling (without parentheses) would receive a new name. It seems to me, however, that in such cases it is much simpler and less confusing to change the name of the species which was originally described under another genus, no matter whether it has priority or not. Following this idea I leave the name *nigriceps* to the species described by Keyserling as *Theridion nigriceps* and give a new specific name to *Chryso nigriceps*. A similar case (among many others) is met with in *Bathypantes pallida* Banks, 1892, p. 45, and *Diplostyla pallida* Banks, 1892, p. 43. *Diplostyla* being a synonym of *Bathypantes* a new name was substituted for it and not for *Bathypantes pallida* Banks.

A case in which the substitution of a new name would be unnecessary and objectionable merely by multiplying the number of names already too many, is that of *Chryso splendida* Banks, 1898, which is a *Theridion*, while the *Theridion splendidum* Taczanowski, 1873, is a *Theridiosoma*. They stand much better as *Theridion splendidum* Banks and *Theridiosoma splendidum* Taczanowski. With all these limitations a number of new names had to be created to avoid true homonymy. They will be found mentioned in both parts of the catalogue.

The synonymy of old names is largely a matter of opinion. Wherever possible I adopted the synonymy laid down in the latest works of Peckham, Chamberlin, Crosby, Emerton and to some extent of Banks, although the last author has often placed the same species under different genera without giving either the reason for it, or a detailed description of the specimens in his possession. Two of Mr. Banks's own specimens which he was not able to identify and in consequence left without a name, have been given new names by Strand. These are *Ctenus* sp.? Banks from Porto Rico, and *Gonglydium* sp.? Banks from Alaska. In the latter case Strand has not only given the spider a new name, but has also placed it under another genus, thus making of it *Oedothorax banksi* Strand. This way of multiplying names without sufficient reason is very objectionable. Once these names were published, I was obliged to accept them in this catalogue, but I condemn most emphatically such a method of christening without the slightest acquaintance with and in the absence of the godchild.

A number of names had to be omitted entirely from both lists as being invalid. They are chiefly the names proposed by Marx for new nearctic species which he was never able to describe owing to his untimely death. The specimens in question have meanwhile been lost, the names are therefore without any value and may be used eventually for other new species. Simon mentions some new species which he has subsequently neglected to describe owing to some oversight. Since the corresponding specimens probably still exist in the Paris collection, these names will be found in the third part of the catalogue, where will be also found a few names published by other authors without any description or figure. A regrettable omission from my catalogue is the majority of the species of Holmberg, described by him in his first paper which I was not able to find in this country. An attempt to procure it from Argentina, where it was published, also failed. These species are also omitted from the lists of the Zoölogical Record, but are supposed to be largely synonyms of species better described by other authors. A few of them have been redescribed by Keyserling and Simon and will naturally be found in the catalogue.

The number of species described from the American continent and the adjacent islands is somewhere in the neighborhood of 6000. Some of these will undoubtedly be found to be synonyms, as was the case with so many others. After all we may safely suppose that the actual number of species inhabiting this continent is considerably, perhaps ten times greater. Especially the tropical countries of Central and South America will yield for a long time to come an inexhaustible amount of new forms and will greatly change our conception of the geographical distribution of this interesting group. As it is we still may recognize several regions. Probably the richest region is the equatorial belt merging gradually south into the subtropical and temperate zone of South America and north into the great tropical region comprising Venezuela, Colombia and Central America as far as the isthmus of Tehuantepec, the West Indies and extending even into Florida. The forms of the Mexican plateau are found in the southern states. The temperate North American region, comprising about 1200 known species, extends north into Canada and may be split into several smaller regions with the Mexican forms disappearing from it as we proceed northward into Texas and on the coasts into Louisiana and California. The nearctic region comprises few forms, the majority of which are identical or closely allied to the forms found in Iceland and Spitzbergen. Finally comes the Patagonian region with its interesting primitive forms not encountered anywhere else on this continent. A few spiders, like the poisonous *Latrodectus mactans*, are found all the way from New Hampshire to the Terra del Fuego. Some European species are as common in the United States

as in the old country and some, especially tropical forms, are cosmopolitan. Isolated faunas have not been studied sufficiently to deserve any special mention in this place, although the islands of the West Indies are so near this continent that it seems strange that they have not been studied more thoroughly in this respect. From the works of Simon on the spiders of Venezuela and of St. Vincent and from my own collection of spiders from Jamaica I draw the conclusion that Venezuelan forms, so common in St. Vincent, become more and more scarce as we proceed north and give way to new forms characteristic of the respective islands, while other forms begin to appear, which are more commonly met with in Mexico and Florida. But the œcology of the different species is still entirely untouched and it would be a useless undertaking to draw any further conclusions from the few data obtainable.

In conclusion I desire to express my sincerest thanks to the library staff of the New York Academy of Sciences and especially to Mr. I. B. Sniffin who has helped me during the more than two years that this work has been in progress, to correct wrong references in which the printed lists abound and to find papers the titles of which had been misquoted.

MONTCLAIR, N. J.

June 6, 1910.

PART I.

BIBLIOGRAPHY.

1. ABBOT, JOHN (THOMAS). Spiders of Georgia. Drawings and Notes in form of a manuscript in the British Museum.
2. ALBIN, ELEAZAR. A natural History of Spiders and other curious Insects. With 53 plates. London. 1736.
3. ANDREWS, E. A. Notes on the Fauna of Jamaica. *Johns Hopkins Univers. Circ.*, Vol. XI, 1892, p. 75.
4. ATKINSON, G. F. Descriptions of some new Trap-Door Spiders, their Nests and Food-habits. *Entomologica Americana*, Vol. II, 1886, pp. 109-117, 129-137.
5. ——— A new Trap-Door Spider. *American Naturalist*, Vol. XX, 1886, pp. 583-593.
6. AUDOUIN, J. V. Note sur la demeure d'une araignée maconne de la Nouvelle-Grenade. *Silbermann, Revue entomol.*, Vol. IV, 1836, pp. 108-111; *CR. Acad. Sc. Paris*, 1837, pp. 853-854.
7. ——— Ueber die südamerikanische Mauerspinne. *Dr. R. Froriep, Neue Notizen aus dem Gebiete der Natur und Heilkunde*, Vol. II, 1837, pp. 341-342.
8. ——— Note sur la demeure d'une araignée maconne, originaire de l'Amérique du Sud. *Annales des Sc. Natur.*, 2 sér., Zool., Vol. VII, 1837, pp. 227-231.
9. AUSSERER, ANTON. Beiträge zur Kenntniss der Arachniden-Familie der Territelariae Thorell. *Verhandl. k. k. zool. bot. Gesell. Wien*, Vol. XXI, 1871, pp. 117-224, pl. i.
10. ——— Neue Rad Spinnen. *Ibid.*, Vol. XXI, 1871, pp. 815-832, pl. v.
11. ——— Zweiter Beitrag zur Kenntniss der Arachniden-Familie der Territelariae Thorell. *Ibid.*, Vol. XXV, 1875, pp. 125-206, pl. v-vii.
12. BAKER, C. F. Michigan Araneæ. *Entomol. News Philadelphia*, Vol. V, 1894, pp. 163-164.
13. BANKS, NATHAN. On *Thalamia parietalis* Hentz. *Proc. Entom. Soc. Washington*, Vol. II, 1890, p. 125.
14. ——— Notes on some Spiders described by Hentz. *Entomol. News Philadelphia*, Vol. II, 1891, pp. 84-87.
15. ——— Synonymical Notes in Spiders. *Ibid.*, Vol. II, 1891, p. 193.
16. ——— Notes on Dysderidæ of the United States. *Canad. Entomol.*, Vol. XXIII, 1891, pp. 207-209.

17. BANKS, NATHAN. The Spider Fauna of Upper Lake, Cayuga Basin. *Proc. Acad. Philadelphia*, 1892, pp. 11-81, pl. i-v.
18. ——— Our Atypidæ and Theraphosidæ. *Entomol. News Philadelphia*, Vol. III, 1892, pp. 147-150.
19. ——— A Classification of North American Spiders. *Canad. Entomol.*, Vol. XXIV, 1892.
20. ——— On *Prodidomus rufus* Hentz. *Proc. Entom. Soc. Washington*, Vol. II, 1892, pp. 259-261, fig. 12.
21. ——— New North American Spiders and Mites. *Trans. Amer. Entom. Soc.*, Vol. XXIII, 1893, pp. 57-77.
22. ——— Notes on Spiders. *Journal New York Entom. Soc.*, Vol. I, 1893, pp. 123-134.
23. ——— Notes on *Larinia* and *Cercidia*. *Entom. News Philadelphia*, Vol. V, 1894, pp. 8-9.
24. ——— Two Families of Spiders new to the United States. *Ibid.*, Vol. V, 1894, pp. 298-300.
25. ——— Some Missouri Spiders. *Ibid.*, Vol. VI, 1894, pp. 204-207.
26. ——— On the Lycosidæ of Colorado. *Journal New York Entom. Soc.*, Vol. II, 1894, pp. 49-52.
27. ——— The Genus *Oxyptila*. *Psyche*, Vol. VII, 1895, pp. 241-244.
28. ——— The Arachnida of Colorado. *Annals New York Acad. Sc.*, Vol. VIII, 1895, pp. 417-434.
29. ——— A list of the Spiders of Long Island, N. Y., with descriptions of new species. *Journal New York Entom. Soc.*, Vol. III, 1895, pp. 76-93.
30. ——— Some New Attidæ. *Canad. Entomol.*, Vol. XXVII, 1895, pp. 96-102.
31. ——— A few new Spiders. *Ibid.*, Vol. XXVIII, 1896, pp. 62-65.
32. ——— New Californian Spiders. *Journal New York Entom. Soc.*, Vol. IV, 1896, pp. 88-91.
33. ——— Additions to the List of Long Island Spiders. *Ibid.*, Vol. IV, 1896, pp. 190-192.
34. ——— Arachnida of the Indiana Caves. In: Blatchley, Report Indiana Geol. Survey, Vol. XXI, 1896, p. 203.
35. ——— Arachnida. In: Reports upon the Insects, Spiders, Mites and Myriopods collected, etc. . . . on the Commander Islands. Edited by W. H. Ashmead. Report of Fur-Seal Investigations 1896-1897, Part IV, Appendix C, pp. 347-348.
36. ——— Descriptions of new Spiders. *Canad. Entomol.*, Vol. XXIX, 1897, pp. 193-197.
37. ——— Arachnida from the Malaspina Glacier, Alaska. *Entom. News Philadelphia*, Vol. IX, 1898, p. 16.

38. BANKS, NATHAN. Concerning the names of some common Spiders. *Ibid.*, Vol. IX, 1898, p. 141.
39. ——— Some new Spiders. *Canad. Entomol.*, Vol. XXX, 1898, pp. 185-188.
40. ——— Arachnida from Baja California and other parts of Mexico. *Proc. California Acad. Sc.*, 3 ser., Vol. I, pp. 205-308, pl. xiii-xvii.
41. ——— Some Spiders from Northern Louisiana. *Proc. Entom. Soc. Washington*, Vol. IV, 1899, pp. 188-195.
42. ——— A list of works on North American Entomology. *Bullet. U. S. Dep. of Agric., Entom.*, No. 24, 1900.
43. ——— New North American Spiders. *Canad. Entomol.*, Vol. XXXII, 1900, pp. 96-102.
44. ——— Arachnida of the Expedition. Papers from the Harriman Alaska Expedition. *Proc. Washington Acad. Sc.*, Vol. II, 1900, pp. 477-486, pl. xxix.
45. ——— Some Arachnida from Alabama. *Proc. Acad. Philadelphia*, Vol. LII, 1900, pp. 529-543.
46. ——— Some Spiders and other Arachnida from Southern Arizona. *Proc. U. S. National Museum*, Vol. XXIII, 1901, pp. 581-590, pl. xxii.
47. ——— Some Spiders and other Arachnida from Porto Rico. *Ibid.*, Vol. XXIV, 1901, pp. 217-227, pl. xv.
48. ——— A list of Spiders collected in Arizona by Messrs. Schwarz and Barber. *Ibid.*, Vol. XXV, 1901, pp. 211-221, pl. vii.
49. ——— Some Arachnida from New Mexico. *Proc. Acad. Philadelphia*, Vol. LIII, 1901, pp. 568-597, pl. xxxiii.
50. ——— Notes on some Spiders of Walckenaer, Koch and others. *Journal New York Entom. Soc.*, Vol. IX, 1901, pp. 182-189.
51. ——— Description of a new cave Spider. Ulrich, C. J., A contribution to the subterranean Fauna of Texas. *Trans. Amer. Microscop. Soc.*, Vol. XXIII, 1902, p. 97.
52. ——— Arachnida, in: Papers from the Hopkins Stanford Galapagos Expedition 1898-1899. VII. Entomol. Res. (6). With 3 plates. *Proc. Washington Acad. Sc.*, Vol. IV, 1902, pp. 49-80.
53. ——— Some Spiders and Mites from the Bermuda Islands. *Trans. Connecticut Acad. Sc.*, Vol. XI, 1902, pp. 267-275.
54. ——— A List of Arachnida from Hayti, with Descriptions of New Species. *Proc. Acad. Philadelphia*, Vol. LV, 1903, pp. 340-345, pl. xv.
55. ——— New Genera and Species of Nearctic Spiders. *Journal New York Entom. Soc.*, Vol. XII, 1904, pp. 109-110, pl. v-vi.
56. ——— Some Arachnida from California. *Proc. California Acad. Sc.*, 3 ser., Vol. III, 1904, pp. 331-374, pl. xxxviii-xli.

57. BANKS, NATHAN. The Arachnida of Florida. *Proc. Acad. Philadelphia*, 1904, pp. 120-147, pl. vii-viii.
58. ——— Arachnids from Cocos Island. *Proc. Entom. Soc. Washington*, Vol. VII, 1905, pp. 20-21.
59. ——— Families and Genera of Areneidea. Synopses of North American Invertebrates. No. XX. *American Naturalist*, Vol. XXXIX, 1905.
60. ——— Descriptions of New American Spiders. *Proc. Entom. Soc. Washington*, Vol. VII, 1905, pp. 94-100, pl. ii.
61. ——— Arachnida from the Bahamas. *Bull. Amer. Mus. Nat. Hist.*, Vol. XXII, 1906, pp. 185-189.
62. ——— A Preliminary List of the Arachnida of Indiana, with Keys to Families and Genera of Spiders. 31st Annual Report of the Dep. of Geology and Natural Resources of Indiana, 1906. Indianapolis, 1907, pp. 715-747.
63. ——— New Species of Theridiidæ. *Canad. Entomol.*, Vol. XL, 1908, pp. 205-208.
64. ——— Arachnida from Costa Rica. *Proc. Acad. Philadelphia*, 1909, pp. 194-234, pl. v-vi.
65. ——— Catalogue of Nearctic Spiders. *Bull. U. S. Nat. Museum*, No. 72, 1910, pp. 1-80.
66. BANTA, ARTHUR M. The Fauna of Mayfield's Cave. Carnegie Instit. Washington. Publication No. 67. 1902. Araneidea, pp. 59-67.
67. BAYERN, THERESE PRINZESSIN VON. In Süd Amerika gesammelte Myriapoden und Arachnoideen. *Zool. Anzeiger*, Vol. XXIII, 1900, pp. 279-286.
68. BECKER, LÉON. Diagnoses de quelques Aranéides du Mexique. *Annales Soc. Entom. Belgique*, Vol. XXI, 1878, pp. 77-80, pl. ii.
69. ——— Description de la Tarentula Beckeri Keys. *CR. Soc. Entom. Belgique*, Vol. XXI, 1878, p. cclii.
70. ——— Sur un nouveau genre d'Avicularidæ. *Ibid.*, Vol. XXI, 1878, p. cclvi.
71. ——— Communications arachnologiques. Sur la Metriopelma Breyerii Becker. *Ibid.*, Vol. XXII, 1879, p. clxix.
72. ——— Descriptions d'Aranéides exotiques nouveaux. *Ibid.*, Vol. XXII, 1879, pp. cxl-cxlv.
73. ——— Diagnoses de nouvelles Aranéides Américaines. *Annales Soc. Entom. Belgique*, Vol. XXII, 1879, pp. 77-86, pl. i-ii.
74. ——— Diagnoses, without titles. *CR. Soc. Entom. Belgique*, Vol. XXV, 1881, pp. xlv-xlvi, 2 plates.
75. ——— Diagnoses de quelques Arachnides nouveau. *Ibid.*, Vol. XXX, 1886, p. xxiii.
76. BELLEVOYE, AD. Description de quelques nouvelles espèces d'Arachnides. *Bull. Soc. Hist. Nat. Moselle. Metz.*, 1870, pp. 108-114.

77. BENEDEN, ED. VAN. Note sur un Cténide originaire du Brésil trouvé à Liège (*Isoctenus bicolor*). *Bull. Acad. R. Belgique* (2), Vol. XLIX, 1880, pp. 655-659.
78. BERG, CARLOS. Una Arana pescadora (*Diapontia Kochii* Keys). *Anal. Soc. Cientif. Argentina*, Vol. XV, p. 240; *Kosmos*, 7 Jahrgang, Vol. 13, p. 375.
79. ——— (Epeira socialis Holmb.) *Bollet. Acad. Cordova*, Vol. I, 1874, pp. 279-283.
30. BERGROTH, E. Some Arachnida from Washington State. *Entomol. News Philadelphia*, 1906, Vol. XVII, pp. 350.
81. BERTKAU, DR. PH. Verzeichniss der von Prof. Ed. van Beneden auf seiner . . . Reise nach Brasilien und La Plata i. J. 1872-1875 gesammelten Arachniden. *Mémoires couronnés et Mémoires des savants étrangers, publiés par l'Acad. R. Sc. Belgique*, Vol. XLIII, 1880, pp. 1-120, pl. i-ii.
82. BILIMEK, D. J. Fauna der Grotte Cacahuamilpa in Mexico. *Verhandl. k. k. zool. bot. Gesell. Wien*, Vol. XVII, 1867, pp. 905-907.
83. BLACKWALL, JOHN. The difference in the number of Eyes with which the Spiders are provided, etc. . . . *Trans. Linnæan Soc. London*, Vol. XVIII, 1841, pp. 601-670.
84. ——— Notice of Spiders captured by Prof. Potter in Canada. *Ann. & Mag. Nat. Hist.*, 1 ser., Vol. XVII, 1846, pp. 30-44, 76-82.
85. ——— Descriptions of six newly discovered species and characters of a new genus of Araneidæ. *Ibid.*, 3 ser., Vol. I, 1858, pp. 426-434.
86. ——— Characters of a new genus and Descriptions of three recently discovered species of Araneidæ. *Ibid.*, 3 ser., Vol. II, 1858, pp. 331-334.
87. ——— Descriptions of several recently discovered Spiders. *Ibid.*, 3 ser., Vol. VIII, 1861, pp. 441-446.
88. ——— Descriptions of newly discovered Spiders, captured in Rio Janeiro by J. Gray and H. Clark. *Ibid.*, 3 ser., Vol. X, 1862, pp. 348-360, 421-439.
89. ——— (Continuation of above.) *Ibid.*, 3 ser., Vol. XI, 1863, pp. 29-45.
90. ——— Notes on Spiders, with Descriptions of several Species supposed to be new to Arachnologists. *Ibid.*, 3 ser., Vol. XX, 1867, pp. 202-212.
91. ——— Notice of several Species of Spiders supposed to be new or little known to Arachnologists. *Ibid.*, 4 ser., Vol. II, 1868, pp. 403-410.
92. ——— Notice of Spiders captured by Miss Hunter in Montreal, Upper Canada. *Ibid.*, 4 ser., Vol. VIII, 1871, pp. 429-436.
93. ——— A History of the Spiders of Great Britain and Ireland. Part I, 1861, pp. 1-173, pl. i-xii. London. Part II, 1864, pp. 175-384, pl. xiii-xxix. London. Published for the Ray Society.
94. BOERIS, G. Arachnidi raccolti nel Sud-America dal Dot. Vinc. Ragazzi. *Atti Soc. Mod. Mem.*, 3 ser., Vol. VIII, 1889, pp. 123-135.
95. BRITCHER, HORACE W. The Spiders of Onondaga County.

96. BROWN, PATRICK. The civil and natural history of Jamaica. 3 Parts, with 50 copperplates. First edition, London, 1756. Second edition, London, 1789.
97. BRYANT, ELISABETH B. List of the Araneida of New England. Fauna of New England. No. 9. *Occas. Pap. Boston Soc. Nat. Hist.*, Vol. VII, 1908.
98. BUTLER, A. G. A List of Spiders of the Genus *Acrosoma*, with Descriptions of New Species. *Proc. Zool. Soc. London*, 1873, pp. 420-429.
99. ——— A monographic List of the Species of *Gasteracantha*. *Trans. Entom. Soc. London*, 1873, pp. 153-180, pl. iv.
100. ——— Account of the Zoological Collection made during the visit of H. M. S. "Peterel" to the Galapagos Islands. Arachnida. *Proc. Zool. Soc. London*, 1877, pp. 75-77.
101. CAMBRIDGE, OCTAVIUS PICKARD. Descriptions and sketches of some new species of Araneidea with characters of a new genus. *Ann. & Mag. Nat. Hist.*, 4 ser., 1869, Vol. III, pp. 52-74, pl. iv-vi.
102. ——— Monograph of the genus *Idiops*, including descriptions of several species new to science. *Proc. Zool. Soc. London*, 1870, pp. 101-108, pl. viii.
103. ——— Supplementary notice on the genus *Idiops*. *Ibid.*, 1870, pp. 152-157, pl. viii.
104. ——— On some new genera and species of Araneidea. *Ibid.*, 1870, pp. 728-747, pl. xliv.
105. ——— Notes on some Arachnida collected by Cuthbert Collingwood Esq., M. D., during rambles in the China Sea, etc. *Ibid.*, 1871, pp. 617-622, pl. xlix.
106. ——— On some new genera and Species of Araneidea. *Ibid.*, 1873, pp. 112-129, pl. xii-xiv.
107. ——— On some new Species of Drassides. *Ibid.*, 1874, pp. 370-419, pl. li-lii.
108. ——— On some new Species of *Erigone* from North America. *Ibid.*, 1874, pp. 428-442, pl. lv.
109. ——— On some new Genera and Species of Araneidea. *Ann. & Mag. Nat. Hist.*, 4 ser., Vol. XIV, 1874, pp. 167-182, pl. xvii.
110. ——— On some New Species of *Erigone* from North America. *Proc. Zool. Soc. London*, 1875, pp. 393-405, pl. xlvi.
111. ——— On some new Species of Araneidea, with characters of two new genera, and some remarks on the families of Podophthalmides and Dinopides. *Ibid.*, 1877, pp. 557-578, pl. xlvi-xlvii.
112. ——— On some new Genera and Species of Araneidea. *Ann. & Mag. Nat. Hist.*, 4 ser., Vol. XIX, 1877, pp. 26-39, pl. vi-vii.
113. ——— On some new and little known Spiders from the Arctic Regions. *Ibid.*, 4 ser., Vol. XX, 1877, pp. 273-285, pl. viii.

114. CAMBRIDGE, OCTAVIUS PICKARD. On a new Genus and Species of Spiders of the Family Salticidæ. *Proc. Zool. Soc. London*, 1879, pp. 119-121, fig. 1-3.
115. ——— On some new and little known species of Araneidea with remarks on the genus *Gasteracantha*. *Ibid.*, 1879, pp. 279-293, pl. xxvi-xxvii.
116. ——— On some new and little known Spiders of the Genus *Argyrodes*. *Ibid.*, 1880, pp. 320-342, pl. xxviii-xxx.
117. ——— On a new Spider of the Family Theraphosidæ. *Ibid.*, 1881, pp. 682-685, pl. lx.
118. ——— On some New Genera and Species of Araneidea. *Ibid.*, 1881, pp. 765-775, pl. lxvi.
119. ——— On some Spiders from Newfoundland. *Proc. Phys. Soc. Edinburgh*, Vol. VI, 1881, pp. 112-115.
120. ——— On new Genera and Species of Araneidea. *Proc. Zool. Soc. London*, 1882, pp. 423-442, pl. xxix-xxx.
121. ——— On some New Genera and Species of Spiders. *Ibid.*, 1883, pp. 352-365, pl. xxxvi-xxxvii.
122. ——— On a new Trap-Door Spider from Brazil. *Ibid.*, 1889, pp. 250-252, fig. 1-5.
123. ——— On some new Species and two new Genera of Araneidea. *Ibid.*, 1890, pp. 620-628, pl. liii.
124. ——— On some new and little known Spiders. *Ibid.*, 1896, pp. 1006-1012, pl. liii.
125. ——— On some new Species of Exotic Araneidea. *Ibid.*, 1899, pp. 518-532, pl. xxix-xxx.
126. ——— Arachnida-Araneidea. Vol. I, 1889-1902, pp. xv + 317, 39 colored plates. In: *Biologia Centrali-Americana*, published by Dulau & Co., London.
127. CAMBRIDGE, FREDERICK PICKARD. On the Theraphosidæ of the Lower Amazons: being an account of the new genera and species of this Group of Spiders discovered during the Expedition of the Steamship "Faraday" up the River Amazons. *Proc. Zool. Soc. London*, 1896, pp. 716-766, pl. xxxiii-xxxv.
128. ——— On Cteniform Spiders from the Lower Amazons and other regions of North and South America, with a list of all known Species of these groups hitherto recorded from the New World. *Ann. & Mag. Nat. Hist.*, 6 ser., Vol. XIX, 1897, pp. 52-106, pl. iii-iv.
129. ——— On some Spiders from Chili and Peru collected by Dr. Plate of Berlin. *Journal Linnæan Soc. London*, Vol. XXVII, 1898, pp. 15-22, pl. ii.
130. ——— On New Species of Spiders from Trinidad, West Indies. *Proc. Zool. Soc. London*, 1898, pp. 890-900, pl. liv.

131. CAMBRIDGE, OCTAVIUS PICKARD. On a collection of Spiders from the Bahama Islands made by J. L. Bonhote, Esq., with characters of a new genus and species of Mygalomorphæ. *Ann. & Mag. Nat. Hist.*, 7 ser., Vol. VII, 1901, pp. 322-332, pl. vii.
132. ——— A Revision of the Genera of the Araneæ or Spiders with reference to their Type Species. *Ibid.*, 7 ser., Vol. VII, 1901, pp. 51-65.
133. ——— A Revision of the Genera of the Araneæ or Spiders with reference to their Type Species. *Ibid.*, 7 ser., Vol. VIII, 1901, pp. 403-414.
134. ——— A Revision of the Genera of the Araneæ or Spiders with reference to their Type Species. *Ibid.*, 7 ser., Vol. IX, 1902, pp. 5-20.
135. ——— New Species of Spiders belonging to the Genus Ctenus. *Ibid.*, 7 ser., Vol. IX, 1902, pp. 401-415, pl. vii.
136. ——— On the Genus Latrodectus Walck. *Ibid.*, 7 ser., Vol. X, 1902, pp. 38-40.
137. ——— On the Spiders of the Genus Latrodectus, Walckenaer. *Proc. Zool. Soc. London*, 1902, pp. 247-261, pl. xvi-xvii.
138. ——— On some new Species of Spiders belonging to the Families Pisauridæ and Senoculidæ. *Ibid.*, 1903, pp. 151-168, pl. xiv-xv.
139. ——— A Revision of the Genera of the Araneæ or Spiders with reference to their Type Species. *Ann. & Mag. Nat. Hist.*, 7 ser., Vol. XI, 1903, pp. 32-51.
140. ——— A Revision of the Genera of the Araneæ or Spiders with reference to their Type Species. *Ibid.*, 7 ser., Vol. XII, 1903, pp. 481-495.
141. ——— Arachnida Areneidea and Opiliones. Vol. II, 1897-1905, pp. xii + 610, 54 partly colored plates. In: *Biologia Centrali-Americana*, published by Dulau & Co., London.
142. CHAMBERLIN, RALPH V. Note on generic characters in the Lycosidæ. *Canad. Entomol.*, Vol. XXXVI, 1904, pp. 145-148, 173.
143. ——— Three new Lycosidæ. *Ibid.*, Vol. XXXVI, 1904, p. 286.
144. ——— Revision of North American Spiders of the Family Lycosidæ. *Proc. Acad. Philadelphia*, 1908, pp. 158-318, pl. viii-xxiii.
145. ——— The American Drapetisca. *Canad. Entomol.*, Vol. XLI, 1909, p. 368.
146. ——— Some synonyms in North American Lycosidæ. *Ibid.*, Vol. XLI, 1909, p. 376.
- 146a. ——— A New Lycosid from Nevada. *Entom. News Philadelphia*, 1910, Vol. XXI, pp. 1-4, pl. i.
147. CLERCK, CAROL. Aranei suecici, descriptionibus et figuris æn. illustrati, ad genera subalterna redacti, speciebus ultra LX determinati. Cum Tabulis æn. Col. VI. Holmiæ. 1757.
148. ——— Nomenclator extemporaneus rerum naturalium plantarum, insectorum, conchyliorum, secundum systema naturæ Linnæum 8. Holmiæ. 1759.

149. COCKERELL, T. D. A. The Entomology of the Mid Alpine zone of Custer County, Colorado. *Trans. Amer. Entom. Soc.*, Vol. XX, 1890, pp. 305-370.
150. ——— *Xysticus versus Pterostichus*. *Entom. Monthly Mag.*, 1890, p. 191.
151. ——— A New Jamaica Spider. *Journal Instit. Jamaica*, Vol. I, 1893, p. 221.
152. ——— Additions to the Fauna and Flora of Jamaica. *Ibid.*, Vol. I, 1893, p. 260.
153. ——— A New Attid Spider from Jamaica. *Canad. Entomol.*, Vol. XXVI, 1894, p. 343.
154. ——— The Hunting Spider of the vine. *Entomologist*, Vol. XXVII, 1894, pp. 207-208.
155. ——— A new Attid Spider. *Canad. Entomol.*, Vol. XXIX, 1897, p. 223.
156. COMSTOCK, J. H. A classification of North American Spiders. New York, 1903.
157. COOLIDGE, K. R. The Araneina of Santa Clara County, California. *Canad. Entomol.*, Vol. XXXIX, 1907, pp. 374-376.
- 157a. ——— A New Thomisid. *Entom. News Philadelphia*, 1909, Vol. XX, pp. 243, 244.
158. CRAGIN, F. W. First Contribution to the knowledge of the Arachnida of Kansas. *Bull. Washburn College*, Vol. I, 1885, pp. 145-146.
159. CROSBY, C. R. The spiders of the Rochport Cave, Mo. *Canad. Entomol.*, Vol. XXXVII, 1905, pp. 367-369.
160. ——— A catalogue of the Erigoneæ of North America with notes and descriptions of new species. *Proc. Acad. Philadelphia*, 1905, pp. 301-343, pl. xxviii-xxix.
161. ——— Two new species of Theridiidæ. *Canad. Entomol.*, Vol. XXXVIII, 1906, pp. 308-310.
162. CURTIS, J. L. A new jumping Spider. *Zoe*, Vol. III, 1893, pp. 332-337.
163. ——— *Theridium inconstans* — A new spider. *Entomol. News Philadelphia*, Vol. VIII, 1897, pp. 91-94.
164. DAHL, FRIEDRICH. Ueber den Werth des Cribellums und Calamistrums für das System der Spinnen und eine Uebersicht der Zoropsiden. *Sitz-Ber. Gesell. naturf. Freunde Berlin*, 1901, pp. 177-199, fig. 1-6.
165. ——— Nachtrag zur Uebersicht der Zoropsiden. *Ibid.*, 1901, pp. 245-255.
166. ——— Ueber abgebrochene Copulationsorgane, etc. . . . mit einer Uebersicht der Latrodectus-Arten. *Ibid.*, 1902, pp. 36-45, fig. 1-3.
167. ——— Das System der Araneen. *Zool. Anzeiger*, Vol. XXIX, 1905, pp. 614-619.
168. ——— *Synæma marlothi*, eine neue Laterigraden-Art und ihre Stellung im System. *Mitteil. Zool. Museum Berlin*, Vol. III, 1907, pp. 371-395.

169. DE GEER, CHARLES BARON DE. Mémoire pour servir à l'histoire des insectes. Vol. VII. 1778.
170. DIGUET, LÉON. Sur l'Araignée Mosquero. *CR. Acad. Sc. Paris*, Vol. CXLVIII, 1909, p. 735.
171. DUFOUR, LÉON. Description de cinq Arachnides nouvelles. *Annales Générales Sc. Physiques*, Vol. IV, 1820, pp. 198-208, pl. lxxvii.
172. ——— Description de la Mygale de Barthélemi. *Actes Soc. Linn. Bordeaux*, Vol. IX, 1837, pp. 34-43.
173. EIGENMANN, C. H. A contribution to the Fauna of the Caves of Texas. *Proc. Amer. Ass. Adv. Sc.*, Vol. XLIX, 1900, p. 230.
174. EMERTON, J. H. Notes on Spiders from Caves in Kentucky, Virginia and Indiana. *American Naturalist*, Vol. IX, 1875, pp. 278-281, pl. i.
175. ——— Spiders Common to New England and Europe. *Psyche*, Vol. I, 1876, pp. 129-131.
176. ——— A comparison of the Spiders of Europe and North America. *Proc. Boston Soc. Nat. Hist.*, Vol. XIX, 1877, pp. 68-72.
177. ——— Descriptions of two new Spiders from Colorado. *Bull. U. S. Geol. Survey*, Vol. III, 1877, p. 528.
178. ——— New England Spiders of the Family Therididæ. *Trans. Conn. Acad. Sc.*, Vol. VI, 1882, pp. 1-86, pl. i-xxiv.
179. ——— New England Spiders of the Family Epeiridæ. *Ibid.*, Vol. VI, 1884, pp. 295-342, pl. xxxiii-xl.
180. ——— New England Lycosidæ. *Ibid.*, Vol. VI, 1885, pp. 481-505, pl. xlvi-xlix.
181. ——— New England Spiders of the Family Ciniflonidæ. *Ibid.*, Vol. VII, 1888, pp. 443-458, pl. ix-xi.
182. ——— New England Spiders of the Families Drassidæ, Agalenidæ and Dysderidæ. *Ibid.*, Vol. VIII, 1889, pp. 166-206, pl. iii-viii.
183. ——— New England Spiders of the Family Attidæ. *Ibid.*, Vol. VIII, 1891, pp. 220-252, pl. xvi-xxi.
184. ——— New England Spiders of the Family Thomisidæ. *Ibid.*, Vol. VIII, 1892, pp. 359-381, pl. xxviii-xxxii.
185. ——— Canadian Spiders. *Ibid.*, Vol. IX, 1894, pp. 400-429, pl. i-iv.
186. ——— The Common Spiders of the United States. 1902, pp. xviii + 225. With 501 figures. Published by Ginn & Co., Boston.
187. ——— Supplement to the New England Spiders. *Trans. Conn. Acad. Sc.*, Vol. XIV, 1909, pp. 171-236, pl. i-xii.
188. FABRICIUS, JOH. CHRIST. Systema entomologiae sistens insectorum classes, ordines, genera, species, etc. . . . 1775.
- 188a. ——— Species insectorum exhibentes eorum differentias, synonyma etc. Vol. L. 1781. Aranea, pp. 536-547.

- 188b. FABRICIUS, JOH. CHRIST. *Mantissa Insectorum sistens eorum species nuper detectas, etc.* Vol. I, 1787. Aranea, p. 342.
189. ——— *Entomologia systematica, emendata et aucta, etc.* 4 volumes, 1792–1794. Aranea, Vol. II, pp. 407–428.
- 189b. ——— *Supplementum entomologiæ systematicæ. Hafniæ.* 1798.
190. FABRICIUS, OTTO. *Fauna Groenlandica. Hafniæ et Lipsiæ.* 1780.
191. FITCH, ASA. First Report on the noxious, beneficial and other insects of the State of New York. *Trans. New York State Agric. Soc.*, Vol. XIV, 1854, pp. 690–880.
192. ——— Second Report on the Noxious, beneficial and other insects of the State of New York. *Ibid.*, Vol. XV, 1855, pp. 409–559.
193. ——— Thirteenth Report on the Noxious insects. *Ibid.*, Vol. XXIX, 1869, pp. 495–565.
194. FOX, WM. H. New North American Species of the genus *Erigone*. *Proc. Entom. Soc. Washington*, Vol. II, 1891, pp. 44–46.
195. ——— A list of Spiders from Indiana. *Ibid.*, Vol. II, 1891, pp. 267–269.
196. GÉTAZ, A. *Fauna Aracnologica de Costa Rica. Ann. Instit. Costa Rica*, Vol. IV, 1891, pp. 103–106.
197. GIEBEL, C. G. Drei und Zwanzig neue und einige bekannte Spinnen der Halle'schen Sammlung. *Zeitschr. Gesamm. Naturwiss.*, Vol. XXI, 1863, pp. 306–327.
198. ——— Neue Spinne, *Nephila sexpunctata*, von Mendoza. *Ibid.*, Vol. XXX, 1867, p. 325.
199. ——— Ueber einige Spinnen aus Illinois. *Ibid.*, Vol. XXXIII, 1869, pp. 248–253.
200. GIRARD, CHARLES. Marcy's Report of the Exploration of the Red River of Louisiana. 1854. Pp. 262–263, pl. xvi.
201. GÖLDI, EMIL A. Araneologisches aus Brasilien. *Zool. Anzeiger*, Vol. X, 1887, p. 224.
202. ——— Zur Orientierung in der Spinnenfauna Brasiliens. *Mitteil. a. d. Osterlande. N. F. V.*, 1892, pp. 200–248.
203. ——— Estudos aracnologicos relativos ao Brasil. *Bolet. Museu Para*, Vol. I, 1894.
204. ——— Estudos aracnologicos relativos ao Brasil. *Ibid.*, Vol. II, 1898, pp. 418–429.
205. ——— *Epeiroides bahiensis* Keyserling, eine Dämmerungs Kreuzspinne Brasiliens. *Zool. Jahrb., Abt. System.*, Vol. XII, 1899, pp. 161–169, pl. ix.
206. GUÉRIN-MENEVILLE, F. E. Arachnides. *Duperrey's Voyage autour du monde.* Paris. Vol. II, Part 1, 1830, pp. 51–66.
207. ——— *Segestria ruficeps*. *Magazin de Zoologie*, 1832, Cl. VIII, pl. i.

208. GUÉRIN-MENEVILLE, F. E. Arachnides du Voyage de la Favorite. *Ibid.*, 8 Ann., 1838, pl. xvi-xvii.
209. ——— Gastéracanthes sculptées et de Feisthamel, nouvelles espèces d'Aranéides. *Revue Zool.*, Vol. II, 1839, p. 110.
210. ——— Iconographie du Règne Animal de G. Cuvier, etc. Paris. 7 Volumes. 1829-1844. (Vol. VI, Arachnides, etc.)
211. HAHN, C. W. Monographia Araneorum. 8 Hefte. 1821-1833.
212. ——— Die Arachniden getreu nach der Natur abgebildet und beschrieben. Vol. I, 1831; Vol. II, 1834. (After the death of Hahn continued by C. Koch).
213. HANCOCK, J. L. The castle-building spider. *Entomol. News Philadelphia*, Vol. X, 1899, pp. 23-29.
214. HARRINGTON, W. H. Ottawa Spiders. *Ottawa Naturalist*, Vol. X, 1896.
215. HARTMANN, CARL. Variability in the Number of teeth on the claws of adult spiders, showing their unreliability for systematic description. *Biological Bulletin*, Vol. VI, 1904, pp. 191-197.
216. HASSELT, A. W. M. VAN. Studii over de z. g. Curacao Oranje-Spinn. *Tijdschr. voor Entomol.*, Vol. III, 1860, pp. 62, pl. v.
217. ——— Etudes sur le genre Nops. *Ibid.*, Vol. XXX, 1887, pp. 67-86, pl. vi.
218. ——— Araneæ exoticæ quas collegit pro Museo Lugdunensi J. R. H. Neervoort van de Poll insulis Curacao, Bonaire et Aruba. *Ibid.*, Vol. XXX, 1887, pp. 227-244.
219. ——— Araneæ exoticæ quas collegit pro Museo Lugdunensi Dr. H. Ten Kate Jr. in Guiana Hollandica. *Ibid.*, Vol. XXXI, 1888, pp. 165-200, pl. v-vi.
220. HENTZ, NICHOLAS MARCELLUS. A notice concerning the Spider whose web is used in Medicine (*Tegenaria medicinalis*). *Journal Philadelphia Acad. Nat. Sc.*, Vol. II, 1821, pp. 53-55.
221. ——— On North American Spiders. *Amer. Journal Sci. & Arts (Silliman's)*, Vol. XXI, 1832, pp. 99-152.
222. ——— Enumeration of Spiders of the United States. In: Hitchcock's Report on the Geology, etc., of Massachusetts. 1833, p. 564.
223. ——— List of Spiders of the United States. *Ibid.*, Second edition. 1835.
224. ——— Description of an American Spider (*Spermophora meridionalis*), constituting a new subgenus of the Tribe Inaequitelae, Latreille. *Amer. Journal Sci. & Arts (Silliman's)*, Vol. XLI, pp. 115-117.
225. ——— Species of Mygale of the United States. *Proc. Boston Soc. Nat. Hist.*, Vol. I, 1841, pp. 41-42.
226. ——— Descriptions and Figures of the Araneids of the United States. *Journal Boston Soc. Nat. Hist.*, Vol. IV, 1842, pp. 54-57, pl. vii.

227. HENTZ, NICHOLAS MARCELLUS. (Continuation.) *Ibid.*, Vol. IV, 1842, pp. 223-231, pl. viii.
228. ——— (Continuation.) *Ibid.*, Vol. IV, 1844, pp. 386-396, pl. xvii-xix.
229. ——— (Continuation.) *Ibid.*, Vol. V, 1845, pp. 189-202, pl. xvi-xvii.
230. ——— (Continuation.) *Ibid.*, Vol. V, 1846, pp. 352-369, pl. xxi-xxii.
231. ——— (Continuation.) *Ibid.*, Vol. V, 1847, pp. 444-478, pl. xxiii-xxiv, and xxx-xxxi.
232. ——— (Continuation.) *Ibid.*, Vol. VI, 1850, pp. 18-35, pl. iii-iv.
233. ——— (Conclusion.) *Ibid.*, Vol. VI, 1850, pp. 271-295, pl. ix-x.
234. ——— Supplement to the Descriptions and Figures of the Araneids of the United States. (After the death of Hentz edited by Samuel H. Scudder.) *Ibid.*, Vol. XI, 1868, pp. 103-111, pl. i-ii.
235. ——— The Spiders of the United States. A collection of the arachnological writings of N. M. Hentz, edited by Edward Burgess, with notes and descriptions by James H. Emerton. *Occas. Papers Boston Soc. Nat. Hist.*, Vol. II, 1875, pp. xiii + 171, pl. i-xxi. (The last two plates by Emerton.)
236. HERRERA, A. L. Animales reconocidos en la Cueva de Cacahuamilpa. *Mem. Soc. Ant. Alzate*, Vol. V, 1891, pp. 218-220, pl. iii.
237. HOLMBERG, E. L. Descriptions et notices d'Arachnides de la Republique Argentine. *Periodico Zoologico Soc. Entom. Argentina*, Vol. I, 1875, pp. 282-302, pl. vi.
238. ——— Aracnidos Argentinos. *Anales de Agric. de la Rep. Argentina*, Vol. IV, 1876, pp.
(This paper, containing a brief description of 97 mostly new species, is not known to me. None of the United States libraries has a copy of it.)
239. ——— Generos y especies de Aracnidos argentinos nuevos ó poco conocidos. *Anales de la Soc. Cientifica Argentina*, Vol. XI, 1881, pp. 125-133; 169-177; 270-278, pl. i.
240. ——— Aracnidos. In: Informe oficial de la comision cientifica agregada al Estado Mayor General de la Expedition al Rio Negro (Patagonia) etc. . . . bajo las ordenes del General D. Julio A. Roca. Entrega I. Zoologia, 1881, pp. 117-164, pl. iii-iv. Buenos Ayres. Imprenta de Ostwald y Martinez, calle Florida. (Ouvrage distribué par l'Acad. Nat. des Sciences résidant à Cordoba, Républ. Argentine).
241. ——— Observations à propos du Sous-ordres des Araignées Territiales, spécialement du genre Nord-Americain *Catadysas* Hentz, et de la nouvelle famille *Mecicobothrioidæ*. *Bolet. Acad. Nat. Argentina*, Vol. IV, 1882, pp. 153-174, pl. i.
242. ——— *Neotherentes darwini*, representante de una nueva familia de *Citigradas*. *Ibid.*, Vol. V, 1883, pp. 35-48.
243. ——— Generos y especies de Aracnidos Argentinos nuevos o poco conocidos. *Anales de la Soc. Cientifica Argentina*, Vol. XV, 1883, pp. 232-239.

244. HOLMBERG, E. L. *Epeira socialis* lijeros apuntes sobre esta curiosa arana y su tela. *Anales de Agric. de la Rep. Argentina*, Vol. II, 1874, p. 156.
245. KARSCH, F. Sieben neue Arachniden von St. Martha. *Stettiner Entom. Zeitschr.*, Vol. XL, 1879, pp. 106-109.
246. ——— West Africanische Arachniden gesammelt von Herrn Stabarzt Dr. Falkenstein. (Contains also the description of *Phoneutria oculifera* from Mexico). *Zeitschr. Gesamm. Naturwiss.*, 3 ser., Vol. IV, 1879, pp. 329-373.
247. ——— Arachnologische Beiträge. *Ibid.*, Vol. IV, 1879, pp. 534-562, pl. vii.
248. ——— Arachnologische Blätter. I. *Ibid.*, 3 ser., Vol. V, 1880, pp. 373-399.
249. ——— Zur Arachnidengattung *Theraphosa* Walck. *Ibid.*, 3 ser., Vol. V, 1880, p. 845.
250. ——— Araneologisches aus Süd-Amerika. *Berliner Entom. Zeit.*, Vol. XXX, 1886, pp. 92-93.
251. ——— *Acrosoma* Stübeli. *Ibid.*, Vol. XXX, 1886, p. 340.
252. KELLOG, U. S. Insects and Spiders of the Galapagos Islands. *Psyche*, Vol. IX, 1901, pp. 173-175.
253. KEYSERLING, Graf EUGEN. Beschreibungen neuer und wenig bekannter Arten aus der Familie *Orbitelæ* Latr. oder *Epeiridæ* Sund. *Sitz-Ber. der Isis zu Dresden*, 1863, pp. 63-71, pl. i-vii.
254. ——— Beiträge zur Kenntniss der *Orbitelæ* Latr. *Verhandl. k. k. zool. bot. Gesell. Wien*, Vol. XV, 1865, pp. 799-856, pl. xviii-xxi.
255. ——— Amerikanische Spinnenarten aus den Familien der *Pholecidæ*, *Scyto-doidæ* und *Dysderoidæ*. *Ibid.*, Vol. XXVII, 1877, pp. 205-234, pl. vii.
256. ——— Ueber amerikanische Spinnenarten der Unterordnung *Citigradæ*. *Ibid.*, Vol. XXVI, 1876, pp. 609-708, pl. vii-viii.
257. ——— Spinnen aus Uruguay und einigen anderen Gegenden Amerikas. *Ibid.*, Vol. XXVII, 1877, pp. 571-624, pl. xiv.
258. ——— Neue Spinnen aus Amerika. *Ibid.*, Vol. XXIX, 1879, pp. 293-350, pl. iv.
259. ——— Neue Spinnen aus Amerika. II, Folge. *Ibid.*, Vol. XXX, 1880, pp: 547-582, pl. xvi.
260. ——— Neue Spinnen aus Amerika. III. *Ibid.*, Vol. XXXI, 1881, pp. 269-314, pl. xi.
261. ——— Neue Spinnen aus Amerika. IV. *Ibid.*, Vol. XXXII, 1882, pp. 195-226, pl. xv.
262. ——— Neue Spinnen aus Amerika. V. *Ibid.*, Vol. XXXIII, 1883, pp. 649-684, pl. xxi.
263. ——— Neue Spinnen aus Amerika. VI. *Ibid.*, Vol. XXXIV, 1884, pp. 489-534, pl. xiii.

264. KEYSERLING, Graf EUGEN. Neue Spinnen aus Amerika. VII. *Ibid.*, Vol. XXXVII, 1887, pp. 421-490, pl. vi.
265. ——— Die Spinnen Amerikas. 4 Bände. 1880-1893. Nürnberg. Verlag von Bauer & Raspe. Vol. I.—Laterigradae. 1880, pp. 1-283, pl. i-viii. Vol. II.—Theridiidae. Part 1.—1884, pp. 1-222, pl. i-x. Part 2.—1886, pp. 1-295, pl. xi-xxi. Vol. III.—Brasilianische Spinnen. 1891, pp. 1-278, pl. i-x. Vol. IV.—Epeiridae. 1892, pp. viii + 377, pl. i-xix. (Vol. III and IV published by George Marx after the death of Keyserling.)
266. KIRBY. Capt. Parry's voyage for the discovery of a Northwest passage in 1819-1820. London. 1824. Appendix X.
267. KNOBEL, E. The Spiders of the Northern States. Boston. 1901. 54 pages with many figures. Knight & Millet, publishers.
268. KOCH, C. Die Arachniden getreu nach der Natur abgebildet und beschrieben. Vol. III-XVI, 1836-1848. (Continuation of the same work by Hahn.)
269. ——— Uebersicht des Arachniden-Systems. 5 Hefte. 1837-1850.
270. KOCH, LUDWIG. Die Arachniden-Familie der Drassiden. 1866-1867. 352 pages and xiv plates.
271. ——— Die Arachniden Gattungen Amaurobius, Coelotes und Cybæus. *Abhandl. naturhist. Gesell. Nürnberg*, 1868, pp. 1-52, pl. i-ii.
272. ——— Arachniden. In: Die Zweite Deutsche Nordpolarfahrt, etc. Leipzig. 1874. II. Zoologie. Part 9, pp. 400-403, pl. i.
273. LATREILLE, P. A. Crustacés, Arachnides et Insectes. Encyclopédie Méthodique. Paris, 1789.
274. ——— Sur la famille des Araignées mineuses. *Bull. sci. Soc. Philom.*, Vol. I, 1798, p. 169.
275. ——— Histoire naturelle générale et particulière des Crustacés et des Insectes. Vol. I-XIV, 1792-1805. 374 plates. Paris.
276. ——— Araignée et Mygale. *Nouv. Diction. d'Hist. Natur.*, Vol. XXIV. 1804.
277. ——— Descriptions des Insectes d'Amérique équinoxiale. *Rec. d'Obs. de Zool.*, Vol. IV, 1809, p. 197.
278. ——— Considérations générales sur l'ordre naturel des animaux composant les class des Crustacées, des Arachnides et des Insectes. 1810.
279. ——— Les Crustacées, les Arachnides et les Insectes. Cuvier's Règne Animal, Vol. III, 1817.
280. ——— Notice sur un nouveau genre d'Aranéides (Myrmecium). *Annales Sci. Natur.*, Vol. III, 1824, pp. 23-27.
281. ——— Les Crustacées, les Arachnides et les Insectes distribués en familles naturelles. Vol. I-II. 1829. Paris.
282. ——— Cours d'Entomologie ou l'Histoire naturelle des Crustacées des Arachnides, des Myriapodes et des Insectes. 1831.

283. LATREILLE, P. A. Vues générales sur les Aranéides à quatre pneumobranches ou quadripulmonaires, suivies d'une notice de quelques espèces de Mygale inédites. *Novv. Ann. du Muséum*, Vol. I, 1832, pp. 61-76.
284. LEACH, W. E. Zoological Miscellany, being descriptions of new and interesting animals. London. Vol. I, 1814; Vol. II, 1815; Vol. III, 1817.
285. LENZ, H. Grönländische Spinnen. *Bibliotheca Zoologica*. Heft 20, Lieferung 3, 1897, pp. 73-76.
286. LINNÆUS, CAROLUS, *Systema Naturæ*. Editio I. 1735.
287. ——— *Systema Naturæ*, sive regna naturæ systematice proposita per classes, ordines, genera et species. Editio X, reformata. 1758.
288. ——— *Systema Naturæ*, etc. Editio XII, reformata. 1766-1768.
289. LUCAS, H. Description de l'Epeira mexicana n. sp. *Magazin de Zoologie*, 1833, Cl. VIII, pl. iii.
290. ——— Description d'une espèce nouvelle d'Arachnide appartenant au genre Argyope de M. Savigny. *Ann. Soc. Entom. France*, 1 sér., Vol. II, 1833, pp. 86-88, pl. i.
291. ——— Mémoire sur plusieurs Arachnides nouvelles appartenants au genre Atte de Walckenaer. *Ibid.*, 1 sér., Vol. II, 1833, pp. 476-482.
292. ——— Mémoire sur un nouveau genre d'Aranéide de l'ordre des Pulmonaires. *Ibid.*, 1 sér., Vol. III, 1834, pp. 363-364, pl. i.
293. ——— Scytodes rufipes Lucas. *Magazin de Zoologie*, 1834, Cl. VIII, pl. vi.
294. ——— Quelques observations sur le genre Atypus et description d'une espèce nouvelle appartenant à ce genre. *Ann. Soc. Entom. France*, 1 sér., Vol. V, 1836, pp. 213-217, pl. v.
295. ——— Notice sur une nouvelle espèce d'Aranéide appartenant au genre Lycosa. *Ibid.*, 1 sér., Vol. V, 1836, pp. 521-526, pl. xv.
296. ——— Quelques observations sur la manière de pondre chez les Ixodes, et addition à un travail ayant pour titre: mémoire sur plusieurs Arachnides nouvelles appartenants au genre Atte de M. Walckenaer. *Ibid.*, 1 sér., Vol. V, 1836, pp. 629-634.
297. ——— *Pachyloscelis* Lucas. *Magazin de Zoologie*, 1836, Cl. VIII, pl. xiv.
298. ——— Observations sur les Aranéides du genre *Pachyloscelis* et Synonymie de ce genre. *Ann. Soc. Entom. France*, 1 sér., Vol. VI, 1837, pp. 369-392, pl. xiii.
299. ——— Histoire naturelle des Crustacées, des Arachnides et des Myriapodes. Paris. 1840.
300. ——— Sur une Aranéide du genre *Actinopus*. *Revue Zool.*, 1843, p. 318.
301. ——— Note sur une nouvelle espèce d'Aranéide appartenant au genre *Scytodes* de M. Walckenaer. *Ibid.*, 1844, p. 72.

302. LUCAS, H. Note sur une nouvelle espèce d'Aranéide. *Ann. Soc. Entom. France*, 2 sér., Vol. III, 1845, pp. 57-60, pl. i.
303. ——— Sur une nouvelle espèce d'Aranéide appartenant au genre Scytodes. *Ibid.*, 2 sér., Vol. III, 1845, p. 73, pl. i.
304. ——— Arachnides. In: Fr. de Castelnau, Expédition dans les parties centrales de l'Amérique du Sud, de Rio de Janeiro à Lima, et de Lima au Pará exécutée par ordre du gouvernement Français pendant les années 1844 à 1847 sous la direction de Francis de Castelnau. Paris. 1856.
305. ——— Arachnides. In: Ramon de Sagra, Histoire physique, politique et naturelle de l'île de Cuba. 1857.
306. ——— Note sur la Rétractilité ou la non-rétractilité des ongles des palpes dans les Aranéides du genre Mygale. *Ann. Soc. Entom. France*, 4 sér., Vol. III, 1863, pp. 118-120.
307. ——— Note sur une femelle de la Mygale bicolor. *Ibid.*, 4 sér., 1863, Vol. III, pp. 667-668.
308. ——— Quelques remarques sur les Aranéides Orbitèles de la Nouvelle Grenade, de Nossi-be, de Malacca etc. de M. Keyserling. *Ibid.*, 4 sér., Vol. III, 1863, p. 217.
309. McCOOK, HENRY C. On webs of new species of Spiders. *Proc. Acad. Philadelphia*, 1876, pp. 200-201.
310. ——— The Basilica Spider and her snare. *Ibid.*, 1878, p. 124-133, fig. 1-4.
311. ——— Note on the probable distribution of a spider by the Trade winds. *Ibid.*, 1878, pp. 136-147, fig. 2.
312. ——— On the Nest of a Lycosid Spider. *Proc. Amer. Entom. Soc.*, Vol. VII, 1879, p. xi, fig. 1-2.
313. ——— The snare of the Ray spider (*Epeira radiosa*) a new form of orb-web. *Proc. Acad. Philadelphia*, 1881, pp. 163-175.
314. ——— Notes on two new California Spiders. *Ibid.*, 1883, p. 276.
315. ——— Note on two new California Spiders and their nests. *Ann. & Mag. Nat. Hist.*, Vol. XIII, 1884, pp. 229-232.
316. ——— How *Lycosa* fabricates her round cocoon. *Proc. Acad. Philadelphia*, 1884, p. 139.
317. ——— A spider that makes a spherical Mud-daub Cocoon. *Ibid.*, 1884, p. 153.
318. ——— Note on *Cyrtophora bifurca* n. sp. and her Cocoons. *Ibid.*, 1887, p. 342.
319. ——— Necessity for revising the Nomenclature of American Spiders. *Ibid.*, 1888, pp. 74-79.
320. ——— Descriptive notes of new American Species of Orbweaving Spiders. *Ibid.*, 1888, pp. 193-199.
321. ——— *Drexelia*, a new genus of Spiders. *Ibid.*, 1892, p. 127.

322. McCook, Henry C. American Spiders and their spinning work. 3 volumes. 1889-1893. Published by the Author. Philadelphia. Vol. I, 1889, 372 pages and 354 figures. Vol. II, 1890, 480 pages, 401 figures and 5 colored plates. Vol. III, 1893, 284 pages, 98 figures and 30 colored plates.
323. MacLeay, W. S. On the Natural History of two Annulose genera, viz. *Urania* of Fabricius and *Mygale* of Walckenaer. *Proc. Zool. Soc. London*, Vol. II, p. 10; *Trans. Zool. Soc. London*, Vol. I, p. 179.
324. ——— On some new Forms of Arachnida. *Ann. & Mag. Nat. Hist.*, 1 ser., Vol. II, 1839, pp. 1-14, pl. i-ii.
325. Martyn, Thomas. Aranei: or, the natural history of Spiders, etc. 2 volumes with 11 + 17 colored plates. London. 1793.
326. Marx, George. On some new tube constructing Spiders. *American Naturalist*, Vol. XV, 1881, pp. 393-396, fig. 1-6.
327. ——— Araneina. In: L. O. Howard. A list of the invertebrate Fauna of South Carolina. Resources of South Carolina. Charleston, 1883, Chapter XI.
328. ——— Description of *Gasteracantha rufospinosa*. *Entomolog. Amer.*, Vol. II, 1886, pp. 25-26.
329. ——— On a new and interesting spider from the United States. *Ibid.*, Vol. IV, 1888, pp. 160-162.
330. ——— New Species of Theraphosidæ. *Proc. Entom. Soc. Washington*, Vol. I, 1888, p. 116.
331. ——— On a new and interesting spider from the United States. *Ibid.*, Vol. I, 1889, p. 167.
332. ——— On the importance of the structural characters of *Hypochilus* in the classification of Spiders. *Ibid.*, Vol. I, 1889, p. 178.
333. ——— On a new species of Spider of the Genus *Dinopsis* from the Southern United States. *Proc. Acad. Philadelphia*, 1889, pp. 341-343, pl. xi.
334. ——— Arachnida. In: Scientific Results of Explorations by the U. S. Fish Commission Steamer "Albatross." *Proc. U. S. National Museum*, 1889, pp. 211-216.
335. ——— A Contribution to the Knowledge of the Spider Fauna of the Bermuda Islands. *Proc. Acad. Philadelphia*, 1889, pp. 98-101, pl. iv.
336. ——— Catalogue of the described Araneæ of temperate North America. *Proc. U. S. National Museum*, Vol. XII, 1889, pp. 497-594.
337. ——— A contribution to the Knowledge of North American Spiders. *Proc. Entom. Soc. Washington*, Vol. II, 1891, pp. 1-10, pl. i.
338. ——— A contribution to the Study of the Spider Fauna of the Arctic Regions. *Ibid.*, Vol. II, 1892, p. 186.
339. ——— A List of the Araneæ of the District of Columbia. *Ibid.*, Vol. II, p. 148.

340. MOENKHAUS, W. J. Contribuicao para o conhecimento das aranhas de Sa, Paulo. *Da Revista do Museu Paulista*, Vol. III, 1898, pp. 77-112, pl. v.
341. MOGGIDGE, J. TRAHERNE. Harvesting Ants and Trap-door Spiders. London. 1874. Supplement, p. 260, pl. xv.
342. MOLINA, A. Saggio sulla storia naturale del Chili. Secunda edizione. 1810.
343. MONTGOMERY, THOMAS H., Jr. Descriptions of Lycosidæ and Oxyopidæ of Philadelphia and its vicinity. *Proc. Acad. Philadelphia*, 1902, pp. 534-592, pl. xxix-xxx.
344. ——— Supplementary Notes on Spiders of the Genera *Lycosa*, *Pardosa*, *Pirata* and *Dolomedes* from the Northeastern United States. *Ibid.*, 1903, pp. 645-655, pl. xxix.
345. ——— Descriptions of North American Araneæ of the Families Lycosidæ and Pisauridæ. *Ibid.*, 1904, pp. 261-323, pl. xviii-xx.
346. ——— Remarks on Prof. Chamberlin's Revision of North American Lycosidæ. *Ibid.*, 1908, pp. 513-515.
347. MÜLLER, PHIL. LUDW. STAT. Vollständigen Natursystems Supplements-und Registerband über alle 6 Theile oder Classen des Thierreichs. 1776.
348. NICOLET. Arachnides. In: Cl. Gay, *Historia phisica y politica de Chile*, Vol. III, 1849, pp. 322-541, pl. i-v.
349. OLIVIER, GUILL. ANT. Araignée. *Encyclopédie Méthodique*. 1791, pp. 173-240, pl. cclvi-cclxi.
350. PACKARD, A. S. The invertebrate Cave Fauna of Kentucky and adjoining States. *American Naturalist*, Vol. IX, 1875, pp. 274-278.
351. ——— List of the Spiders of Labrador. *Canad. Entomol.*, Vol. XX, 1888, p. 141.
352. PALISOT DE BEAUVAIS, AMBR. MARIE FRANC. JOS. Insectes recueillis en Afrique et en Amérique dans les royaumes d'Oware et de Benin, à Saint Domingue et dans les Etats Unis pendant les années 1786-1797. 15 livr. 1805-1821. Paris.
353. PALLAS, P. S. *Spicilegia Zoologica*. 1772.
354. PECKHAM, G. W. and E. G. Descriptions of new or little known Spiders of the family Attidæ from various parts of the United States of North America. 35 pages. 1883. Milwaukee, Wis.
355. ——— On some new genera and species of the family Attidæ from Madagascar and Central America. *Proc. Nat. Hist. Soc. Wisconsin*, 1885, pp. 23-42, pl. i.
356. ——— On some New Genera and Species of Attidæ from the eastern part of Guatemala. *Ibid.*, 1885, pp. 62-86, pl. ii.
357. ——— On the Genera of the Family Attidæ. *Proc. Wisconsin Acad. Sc.*
358. ——— Attidæ of North America. *Trans. Wisconsin Acad. Sc.*, Vol. VII, 1889, pp. 1-104, pl. i-vi.

359. PECKHAM, G. W. and E. G., and WM. H. WHEELER. Spiders of the Sub-family Lyssomanæ. *Ibid.*, Vol. VII, 1889, pp. 221-256, pl. xi-xii.
360. PECKHAM, G. W. and E. G. Ant-like Spiders of the Family Attidæ. *Occas. Papers Nat. Hist. Soc. Wisconsin*, Vol. II, 1892, pp. 1-83, pl. i-vii.
361. ——— On the Spiders of the Family Attidæ of the Island of St. Vincent. *Proc. Zool. Soc. London*, 1893, pp. 692-704, pl. lxi-lxii.
362. ——— Spiders of the Marptusa Group of the family Attidæ. *Occas. Papers Nat. Hist. Soc. Wisconsin*, Vol. II, 1894, pp. 85-141, pl. viii-xiv.
363. ——— Spiders of the Homalattus Group of the family Attidæ. *Ibid.*, Vol. II, 1895, pp. 159-178, pl. xv-xvi.
364. ——— Spiders of the Family Attidæ from Central America and Mexico. *Ibid.*, Vol. III, 1896, pp. 1-101, pl. i-vii.
365. ——— Pellenes and some other Genera of the Family Attidæ. *Bull. Wisconsin Nat. Hist. Soc.* (new ser.), Vol. I, 1900, pp. 195-233, pl. i-ii.
366. ——— Spiders of the Phidippus group of the family Attidæ. *Trans. Wisconsin Acad. Sc.*, Vol. XIII, 1901, pp. 282-358, pl. xxiii-xxviii.
367. ——— On Spiders of the Family Attidæ found in Jamaica. *Proc. Zool. Soc. London*, 1901, pp. 6-16, pl. ii-iv.
- 367a. ——— Revision of the Attidæ of North America. *Trans. Wisconsin Acad. Sc.*, Vol. XVI, 1909, pp. 355-646, pl. xxix-li.
368. PERTY, M. Delectus animalium articularum quas in itinere Brazil. ann. 1817 et 1820 colligerunt J. B. de Spix et F. P. Martius-Monachii. 1830-1834. Arachnides, pp. 191-200, pl. xxxviii-xxxix.
369. PETRUNKEVITCH, ALEXANDER. Contributions to our Knowledge of the Anatomy and Relationships of Spiders. *Ann. Entom. Soc. of America*, Vol. II, 1909, pp. 11-20, pl. iv.
370. ——— A trip to Southern Mexico for Spiders. *American Museum Journal*, Vol. IX, 1909, pp. 249-256.
371. ——— Some New or Little Known American Spiders. *Ann. New York Acad. Sc.*, Vol. XIX, 1910, pp. 205-224, pl. xxi-xxii.
372. POCOCK, R. I. Description of a new Species of Tree Trap-door Spider from Trinidad. *Ann. & Mag. Nat. Hist.*, 6 ser., Vol. XI, 1893, pp. 407-409, pl. xix.
373. ——— Descriptions of two new Spiders obtained etc. . . . in Demerara. *Ibid.*, 6 ser., Vol. XVI, 1895, pp. 139-143.
374. ——— Descriptions of new genera and species of Trap-door Spiders belonging to the group Trionychi. *Ibid.*, 6 ser., Vol. XVI, 1895, pp. 187-197, pl. v.
375. ——— Notes on the Identity of some of the Types of Mygalomorphæ in the Collection of the British Museum. *Ibid.*, 6 ser., Vol. XVI, 1895, pp. 223-230.

376. POCOCK, R. I. A new Stridulating Theraphosid Spider from South America. *Ibid.*, 7 ser., Vol. III, 1899, pp. 347-349.
377. ——— Scorpions and Spiders. In: A. E. Fitzgerald, *The Highest Andes. Appendix C. P. Gosse, Notes on the Natural History of the Aconcagua Valley.* 1900. Pp. 356-360.
378. ——— Myriopoda and Arachnida. In: Report on a collection made by Messrs. F. V. McConnell and J. J. Quelch at Mount Roraima in British Guiana. *Trans. Linnean Soc. London*, 2 ser., Vol. VIII, 1900, pp. 64-71.
379. ——— Some new and old genera of the South American Aviculariidae. *Ann. & Mag. Nat. Hist.*, 7 ser., Vol. VIII, 1901, pp. 540-555.
380. ——— On the Geographical Distribution of Spiders of the Order Mygalomorphæ: *Proc. Zool. Soc. London*, 1903, pp. 340-368.
381. ——— On some genera and species of South American Aviculariidae. *Ann. & Mag. Nat. Hist.*, 7 ser., Vol. XI, 1903, pp. 81-115.
382. RENGER, J. R. Ueber Spinnen Paraguay's. *Wiegmann's Archiv f. Naturg.*, Jahrg. 2, Vol. I, 1836, pp. 130-131.
383. RIVERS, J. J. Description of the Nest of the Californian Turret-building Spider (*Atypoides riversii*) with some reference to allied species. *Zoe*, Vol. II, 1891, pp. 318-320.
384. ROSS, JAMES CLARK. Zoology — Insects. In: Captain William E. Parry, *Journal of a third voyage for the discovery of a North-west Passage, etc.* . . . performed in the years 1824-1825. Philadelphia. 1826. Appendix, p. 188.
385. ROSSI, F. W. Neue Arten von Arachniden des K. K. Museums. *Haidinger's Naturwissenschaftliche Abhandlungen*, Vol. I, 1847, pp. 11-19.
386. ROSSIKOV, K. N. Jadovity pauk Kara-Kurt. (In Russian.) *Papers of the Bur. of Entomology, Dep. of Agric.*, Vol. V, 1904, pp. 1-232, pl. i-iv. St. Petersburg.
387. RUTHVEN, A. G. Spiders and Insects from the Porcupine Mountains and Isle Royal, Michigan. *Michigan Rep. Geol. Survey*. Lansing, 1905, pp. 100, 101.
388. SCHEFFER, T. W. A new genus of Spiders. *Canad. Entomol.*, Vol. XXXVI, 1904, p. 305, fig. 8.
389. ——— Four new Spiders from Kansas. *Entomol. News Philadelphia*, Vol. XV, 1904, pp. 257-260, pl. xvii.
- 389a. ——— List of Kansas spiders. *Industrialist*, 1904, Vol. XXX.
390. ——— List of Spiders in the Entomological Collection of the Kansas State University. *Kansas Univ. Sc. Bull.*, Vol. III, 1905.
- 390a. ——— Additions to List of Kansas Spiders. *Industrialist*, 1905, Vol. XXXI.
391. SCUDDER, S. H. The tube-constructing Ground Spider of Nantucket. *Psyche*, Vol. II, 1877, pp. 2-9.

392. SELLS, W. Notes respecting the nest of *Cteniza nidulans*. *Trans. Entom. Soc. London*, Vol. II, pp. 207-210.
393. SIMON, EUGÈNE. Histoire naturelle des Araignées (Aranéides). Paris. 1864. 540 pages with 208 figures. (First edition.)
394. ——— Histoire naturelle des Araignées. 2 Volumes. Paris. 1892-1903. (Second edition.) Vol. I, vii + 1084 pages with 1098 figures. 1892-1895. Vol. II, 1080 pages with 1122 figures. 1897-1903.
395. ——— Les Arachnides de France. 7 Volumes, Paris, 1874-1884. (Vol. VI, was never published.)
396. ——— Sur trois Araignées nouvelles. *Revue et Magazin de Zoologie*, 1867, pp. 15-24.
397. ——— Aranéides nouveaux ou peu connus du Midi de l'Europe. *Mémoires de la Soc. Royale des Sci. de Liège*, 2 sér., Vol. III, 1873, pp. 271-358.
398. ——— Diagnoses de nouvelles espèces d'Arachnides. *Ann. Soc. Entom. France*, 5 sér., Vol. VI, Bulletin, 1876, pp. lxxxvi-lxxxviii.
399. ——— Note sur les Epeiridæ de la sous-famille Arcyinae. *CR. Soc. Entom. Belgique*, Vol. XXII, 1879, pp. lv-lx.
400. ——— Etude sur le genre *Labdacus* Cambr. *Bull. Soc. Zool. France*, Vol. V, 1880, pp. 152-156.
401. ——— Revision de la Famille des Sparassidæ. *Actes Soc. Linnéenne de Bordeaux*, Vol. XXXIV, 1880, pp. 223-351.
402. ——— Note complémentaire sur la famille des Archæidæ. *Ann. Mus. Genoa*, Vol. XX, 1883, pp. 373-380, figures 1-7.
403. ——— Etudes Arachnologiques. 14^e Mémoire. Matériaux pour servir a la Faune arachnologique des îles de l'Océan Atlantique. *Ann. Soc. Entom. France*, 6 sér., Vol. III, 1883, pp. 259-314.
404. ——— Arachnides recueillis par la mission du Cap Horn en 1882-1883. *Bull. Soc. Zool. France*, Vol. IX, 1884, pp. 117-144, pl. iii.
405. ——— Note sur le Groupe des Mecicobothria. *Ibid.*, Vol. IX, 1884, pp. 313-317.
406. ——— Note sur les Amaurobius de l'Amérique du Nord. *Ibid.*, Vol. IX, 1884, pp. 318-320.
407. ——— Description d'une espèce nouvelle du genre *Cryptothele* L. Koch. *CR. Soc. Entom. Belgique*, 3 sér., Vol. XXVIII, 1884, pp. 139-142.
408. ——— Note Synonymique sur le genre *Prodidomus* Hentz. *Ibid.*, 3 sér., Vol. XXVIII, 1884, p. cccii.
409. ——— Espèces et genre nouveau de la Famille des Thomisidæ. *Actes Soc. Linnéenne de Bordeaux*, Vol. XL, 1886, pp. 167-187.
410. ——— Arachnides recueillis en 1882-1883 dans la Patagonie méridionale, de Santa Cruz a Punta Arena, par M. E. Lebrun, attaché comme naturalist a la mission du passage de Venus. *Bull. Soc. Zool. France*, Vol. XI, 1886, pp. 558-577.

411. SIMON, EUGÈNE. Descriptions de quelques espèces nouvelles de la famille des Agelenidæ. *CR. Soc. Entom. Belgique*, Vol. XXX, 1886, p. lvi-lx.
412. ——— Note sur le Mico, araignée vénimeuse de Bolivie. *Ibid.*, Vol. XXX, 1886, p. clxviii.
413. ——— Espèces et genres nouveaux de la famille des Sparassidæ. *Bull. Soc. Zool. France*, Vol. XII, 1887, pp. 466-474.
414. ——— Révision des Aviculariidæ de la République de l'Ecuador. *Actes Soc. Linnéene de Bordeaux*, Vol. XLII, 1887, pp. 398-405.
415. ——— Mission scientifique du Cap Horn. 1882-1883. Vol. VI. Zoologie. Arachnides, 1887, pp. E1-E42, pl. i-ii.
416. ——— Etudes Arachnologiques. 19^e Mémoire. XXVII. Arachnides recueillis à Assinie (Afrique occidentale). *Ann. Soc. Entom. France*, 6 sér., Vol. VII, 1887, pp. 261-276, footnote 2 on page 274.
417. ——— Observations sur les Arachnides. *Ibid.*, Bulletin, 6 sér., Vol. VII, 1887, pp. clxxv, clxxvi.
418. ——— Observations sur les Arachnides. *Ibid.*, Bulletin, 6 sér., Vol. VII, 1887, pp. cxci-cciv.
419. ——— Etudes Arachnologiques. 21^e Mémoire. XXIX. Descriptions d'espèces et de genres nouveaux de l'Amérique centrale et des Antilles. XXX. Descriptions de quelques Arachnides du Chili et Remarques synonymiques sur quelques-unes des espèces décrites par Nicolet. *Ibid.*, 6 sér., Vol. VIII, 1888, pp. 203-222.
420. ——— Arachnides recueillis au Greenland en 1888 par M. Ch. Rabot. *Bull. Soc. Zool. France*, Vol. XIV, 1889, pp. 289-291.
421. ——— Voyage de M. E. Simon au Venezuela. 4^e Mémoire. Arachnides. *Ann. Soc. Entom. France*, 6 sér., Vol. IX, 1889, pp. 169-220, pl. i-iii.
422. ——— Liste des espèces de la famille des Aviculariidæ qui habitent l'Amérique du Nord. Appendice. Liste des Aviculariidæ qui habitent le Mexique et l'Amérique centrale. *Actes Soc. Linnéene de Bordeaux*, Vol. XLIV, 1890, pp. 307-339.
423. ——— Voyage de M. E. Simon au Venezuela. 11^e Mémoire. Observations biologiques sur les Arachnides. *Ann. Soc. Entom. France*, Vol. LX, 1891, pp. 5-14, pl. i-iv.
424. ——— Etudes Arachnologiques. 23^e Mémoire. (XXXVII). XXXVIII. Descriptions d'espèces et de genres nouveaux de la famille des Aviculariidæ. *Ibid.*, Vol. LX, 1891, pp. 300-312.
425. ——— On the Spiders of the Island of St. Vincent. Part I. *Proc. Zool. Soc. London*, 1891, pp. 549-575, pl. xlii.
426. ——— Descriptions de quelques arachnides du Costa-Rica, communiqués par M. A. Gétaz. *Bull. Soc. Zool. France*, Vol. XVI, 1891, pp. 109-112.
427. ——— Etudes Arachnologiques. 24^e Mémoire. XXXIX. Descriptions d'espèces et de genres nouveaux de la famille des Aviculariidæ. Suite (2). *Ann. Soc. Entom. France*, Vol. LXI, 1892, pp. 271-284.

428. SIMON, EUGÈNE. Voyage de M. E. Simon au Venezuela. 21^e Mémoire. Arachnides. *Ibid.*, Vol. LXI, 1892, pp. 423-462, pl. ix.
429. ——— Etudes Arachnologiques. 25^e Mémoire. XL. Descriptions d'espèces et de genres nouveaux de l'ordre des Araneæ. *Ibid.*, Vol. LXII, 1893, pp. 299-330, pl. vii.
430. ——— On the Spiders of the Island of St. Vincent. Part II. *Proc. Zool. Soc. London*, 1894, pp. 519-526.
431. ——— Descriptions d'Arachnides nouveaux de la Famille des Thomisidæ. *Ann. Soc. Entom. Belgique*, Vol. XXXIX, 1895, pp. 432-443.
432. ——— Sur les Arachnides recueillis en Basse Californie par M. Diguët. *Bull. Muséum d'hist. Nat.*, 1895, pp. 105-107.
434. ——— Descriptions de quelques arachnides de basse-Californie faisant partie des collections du Dr. Geo. Marx. *Bull. Soc. Zool. France*, Vol. XX, 1895, pp. 134-137.
435. ——— Arachnides recueillis à la Terre de feu par M. Carl Backhausen. *Anal. Mus. Nac. Buenos Ayres*, Vol. IV, 1895, pp. 167-172.
436. ——— Etudes Arachnologiques. 26^e Mémoire. XLI. Descriptions d'espèces et de genres nouveaux de l'ordre des Araneæ. *Ann. Soc. Entom. France*, Vol. LXIV, 1895, pp. 131-160.
437. ——— Etudes Arachnologiques. 27^e Mémoire. XLII. Descriptions d'espèces nouvelles de l'ordre des Araneæ. *Ibid.*, Vol. LXV, 1896, pp. 465-510, pl. xii-xiii.
438. ——— Arachnides recueillis à la Terre de Feu par M. Carlos Backhausen. 2^e Mémoire. *Anal. Mus. Nac. Buenos Ayres*, Vol. V, 1896, pp. 141-145.
439. ——— Descriptions d'Arachnides nouveaux de la famille des Clubionidæ. *Ann. Soc. Entom. Belgique*, Vol. XL, 1896, pp. 400-422.
440. ——— Sobre aràcnidos de Chile. *Actes Soc. Sc. du Chili*, Vol. VI, 1896, pp. civ-cvii.
441. ——— Etudes sur les Araignées du Chili. Première mémoire. *Ibid.*, Vol. VI, 1896, pp. 63-70.
442. ——— On the Spiders of the Island of St. Vincent. Part III. *Proc. Zool. Soc. London*, 1897, pp. 860-890.
443. ——— Descriptions d'Arachnides nouveaux. *Ann. Soc. Entom. Belgique*, Vol. XLI, 1897, pp. 8-17.
444. ——— Note sur le Chorzops loricatus C. Koch. *Bull. Soc. Entom. France*, 1897, pp. 172-173, fig. 1-3.
445. ——— Viaggio del Dott. A. Borelli nella republica Argentina e nel Paraguay. XXII. Liste des Arachnides recueillis aux îles du Cap Vert, dans la République Argentine et le Paraguay et descriptions d'espèces nouvelles. *Bollet. Musei Zool. Anat. comp. Univ. Torino*, Vol. XII, 1897, No. 270, pp. 1-8.

446. SIMON, EUGÈNE. Description d'un nouveaux genre sénoculé (Symposia) de la famille des Agélénides. *Bull. Soc. Entom. France*, 1898, pp. 88-90.
447. ——— Description d'un nouveau genre d'Arachnides de la famille des Lycosides. *Ibid.*, 1898, pp. 129-130.
448. ——— Descriptions d'Arachnides nouveaux des familles des Agelenidæ, Pisauridæ, Lycosidæ et Oxyopidæ. *Ann. Soc. Entom. Belgique*, Vol. XLII, 1898, pp. 5-34.
449. ——— Liste des Arachnides recueillis par Ch. E. Porter en 1898-1899 et descriptions d'espèces nouvelles. *Revista chilena de hist. nat.*, Vol. IV, 1900, pp. 49-55.
450. ——— Descriptions d'Arachnides nouveaux de la famille des Attidæ. *Ann. Soc. Entom. Belgique*, Vol. XLIV, 1900, pp. 381-407.
451. ——— Etudes Arachnologiques. 30^e Mémoire. XLVII. Descriptions d'espèces nouvelles de la famille des Attidæ. *Ann. Soc. Entom. France*, Vol. LXIX, 1900, pp. 27-61.
452. ——— Liste des Arachnides recueillis par M. Ch. E. Porter en 1899 à Quilqué et à Molle, et par M. B. Wilson en Avril 1900 au Rio Aysen (Patagonia occidentale) et descriptions d'espèces nouvelles. *Revista chilena de hist. nat.*, Vol. V, 1901, pp. 17-22.
453. ——— Description d'une espèce nouvelle du genre *Micrathena*. *Bull. Soc. Entom. France*, 1901, pp. 121-122.
454. ——— Descriptions des Arachnides nouveaux de la famille des Attidæ. *Ann. Soc. Entom. Belgique*, Vol. XLV, 1901, pp. 141-161.
455. ——— Etudes Arachnologiques. 31^e Mémoire. (XLVIII, XLIX). L. Descriptions d'espèces nouvelles de la famille des Salticidæ. (Suite.) *Ann. Soc. Entom. France*, Vol. LXX, 1901, pp. 52-76.
456. ——— Etudes Arachnologiques. 32^e Mémoire. LI. Descriptions d'espèces nouvelles de la famille des Salticidæ. (Suite.) *Ibid.*, Vol. LXXI, 1902, pp. 389-421.
457. ——— Descriptions d'Arachnides nouveaux de la famille Salticidæ. *Ann. Soc. Entom. Belgique*, Vol. XLVI, 1902, pp. 363-406.
458. ——— Descriptions de quelques Arachnides nouveaux de la section des Cribellatés. *Bull. Soc. Entom. France*, 1902, pp. 240-243.
459. ——— Arachniden. In: *Ergebnisse der Hamburger Magalhaensischen Sammelreise*. Vol. II, 1902.
460. ——— Etudes Arachnologiques. 34^e Mémoire. (LIV). LV. Arachnides recueillis à la Terre-de-Feu par M. le Dr. Lehmann-Nietsche en Mars et Avril 1902. LVI. Descriptions de deu espèces nouvelles de la famille des Aviculariides recueillis dans l'Ecuador par M. le Dr. Rivet et faisant partie des collections du Muséum de Paris. *Ann. Soc. Entom. France*, Vol. LXXII, 1903, pp. 310-314.
461. ——— Descriptions de quelques genre nouveaux de la famille des Aviculariides. *Bull. Soc. Entom. France*, 1903, pp. 42-44.

462. SIMON, EUGÈNE. Descriptions de quelques genres nouveaux de l'ordre des Araneæ. *Ibid.*, 1903, pp. 123-124.
463. ——— Note sur une Araignée myrmécophile de la République Argentine, *Bæriella myrmecophila* n. sp. *Ibid.*, 1903, pp. 270-272.
464. ——— Descriptions d'Arachnides nouveaux. *Ann. Soc. Entom. Belgique*, Vol. XLVII, 1903, pp. 21-39.
465. ——— Araignées et Faucheurs. In: Résultats du Voyage du S. V. Belgica. Anvers. 1903.
466. ——— Liste des Arachnides recueillis par M. Schmidt dans l'île d'Anticosti. *Bull. Muséum de Paris*, Vol. IX, 1903, pp. 386-387.
467. ——— Etude sur les Arachnides di Chili recueillis en 1900, 1901 et 1902 par MM. C. Porter, Dr. Delfin, Barcey Wilson et Edwards. *Ann. Soc. Entom. Belgique*, Vol. XLVIII, 1904, pp. 83-114.
468. ——— Note sur la faune des îles Juan-Fernandez. *Bull. Soc. Entom. France*, 1905, pp. 70-72.
469. ——— Etudes sur les Arachnides recueillis en Patagonie par le Dr. Filippo Silvestri. *Bollet. Musei Zool. Anat. comp. Univ. Torino*, Vol. XX, 1905, No. 511, pp. 1-17.
470. ——— Etudes sur les araignées de la section des Cribellates. *Ann. Soc. Entom. Belgique*, Vol. L, 1906, pp. 284-308.
471. ——— Etudes sur les araignées de la sous-section des Haplogynes. *Ibid.*, Vol. LI, 1907, pp. 246-264.
472. ——— Sur l'Araignée Mosquero. *CR. Acad. Sc. Paris*, Vol. CXLVIII, 1909, p. 736.
473. SLOAN, H. A Voyage to the Islands Madera, Barbados, Nieves, St. Christophers and Jamaica, with the natural history etc . . . of the last of those islands, etc . . . London. 2 volumes. 1707.
474. SLOSSON, ANNIE T. List of the Araneæ taken in Franconia, New Hampshire. *Journal New York Entom. Soc.*, Vol. VI, 1898, pp. 247-249.
475. SMITH, CHAS. PIPER. A preliminary study of the Araneæ Theraphosæ of California. *Ann. Entom. Soc. America*, Vol. I, 1908, pp. 207-236, pl. xiii-xx.
476. SÖRENSEN, WILLIAM. Arachnida Groenlandica. *Videnskabelige Meddelelser*, 1898, pp. 176-235.
477. STONE, W. Pennsylvania and New Jersey Spiders of the Family Lycosidae. *Proc. Acad. Philadelphia*, 1890, pp. 420-434, pl. xv.
478. STRAND, EMBRIK. Araneæ. In: Report of the Second Norwegian Arctic Expedition in the "Fram" 1898-1902. No. 3. Kristiania, 1905, pp. 22-30.
479. ——— Die Arktischen Araneæ. *Fauna Arctica*, Vol. IV, 1904, pp. 431-478.
480. ——— Ueber einige Vogelspinnen und afrikanische Spinnen etc. *Jahrb. Nassau. Ver. Naturk. Wiesbaden*, Vol. LIX, 1906, pp. 1-45.

481. STRAND, EMBRIK. Eine neue Avicularia, nebst Bemerkungen über andere südamerikanische Spinnen. *Ibid.*, Vol. LX, 1907, pp. 220–227.
482. ——— Afrikanische und südamerikanische Aviculariden. *Zeitschr. f. Naturwiss.*, Vol. LXXIX, 1907, pp. 170–266.
483. ——— Ueber drei Clubioniden und eine Pisauride vom Sorata in den Cordilleren. *Ibid.*, Vol. LXXIX, 1907, pp. 422–431.
484. ——— Diagnosen neuer aussereuropäischer Spinnen. *Zool. Anzeiger*, Vol. XXXII, 1908, pp. 769–773.
485. ——— Diagnosen neuer Aussereuropäischer Argiopiden. *Ibid.*, Vol. XXXIII, 1908, pp. 1–4.
486. ——— Neue aussereuropäische Spinnen. *Ibid.*, Vol. XXXIII, 1908, pp. 5–7.
487. ——— Exotisch-araneologisches. I. Amerikanische, hauptsächlich in Peru, Bolivien und Josemitetal in Californien gesammelte Spinnen. *Jahrb. Nassau. Ver. Naturk. Wiesbaden*, Vol. LXI, 1908, pp. 223–281.
- 487 a. ——— Neue oder wenig bekannte südamerikanische Cupiennius und Ctenus Arten. *Zool. Jahrbücher, Abt. f. System.*, 1910, Vol. XXVIII, pp. 293–328.
- 487 b. ——— Neue oder wenig bekannte neotropische cteniforme Spinnen des Berliner Museums. *Ibid.*, pp. 401–428.
488. SUNDEVALL, CARROLL J. Specipen academ. Genera Araneidum Suesiæ exhibens. Lundæ. 1823.
489. ——— Svenska Spindlarnes beskrifning. *Svenska vet. acad. handl.*, 1829–1832.
490. ——— Conspectus Arachnidum. 1833.
491. TACZANOWSKI, LADISLAS. Les Aranéides de la Guyane française. *Horæ Soc. Entom. Ross.*, Vol. VIII, 1871, pp. 32–132, pl. iii–iv.
492. ——— Les Aranéides de la Guyane française. (Suite.) *Ibid.*, Vol. IX, 1872, pp. 64–150, pl. iii–iv.
493. ——— Les Aranéides de la Guyane française. (Suite.) *Ibid.*, Vol. IX, 1872, pp. 261–286, pl. v–vi.
494. ——— Les Aranéides de la Guyane française. (Dernière partie.) *Ibid.*, Vol. X, 1873, pp. 56–115, pl. ii.
495. ——— Les Aranéides du Peru. *Bull. Soc. Natur. Moscou*, Vol. LIII, 1878, pp. 278–374, pl. iv.
496. ——— Les Aranéides du Peru central. *Horæ Soc. Entom. Ross.*, Vol. XIV, 1878, pp. 140–175, pl. i–ii.
497. ——— Les Aranéides du Péru central. (Suite.) *Ibid.*, Vol. XV, 1879, pp. 102–136, pl. i–ii.

498. TELLKAMPF. Beschreibung einiger neuer, in der Mammuth Höhle in Kentucky aufgefundenen Gattungen von Gliederthieren. *Archiv. f. Naturgeschichte*, 10 Jahrg, Vol. I, 1844, pp. 321, pl. viii.
499. THORELL, TORD TAMERLAN THEODOR. Recensio critica Araneorum Suecicarum quas descripserunt Clerckius, Linnæus, DeGeerus, etc. Upsaliæ. 1856.
500. ——— Om Clercks original-spindelsamling. *Ofvers. K. Vet.-Akad. Förh.*, 1858, pp. 143-154.
501. ——— Nya exotiska Epeirider. *Ibid.*, 1859, pp. 299-304.
502. ——— On European Spiders. *Nova Acta Reg. Soc. Sc. Upsaliæ*, 3 ser., Vol. VII, 1869-1870, pp. 1-242.
503. ——— Remarks on synonyms of European Spiders. 4 parts in one volume. Upsala, London & Berlin. 1870-1873. 644 pages.
504. ——— Araneæ. Species novæ minusve cognitæ. Kongliga Svenska Fregatten Eugenies Resa omkring Jorden. 1868. Zoologi. Arachnida, I, pp. 1-34.
505. ——— Om Arachnider Fran Spetsbergen och Beeren-Eiland. *Ofvers. K. Vet.-Akad. Förh.*, 1871, pp. 683-702.
506. ——— Om nagra Arachnider fran Grönland. *Ibid.*, 1872, pp. 147-166.
507. ——— Notice of some Spiders from Labrador. *Proc. Boston Soc. Nat. Hist.*, Vol. XVII, 1875, pp. 490-504.
508. ——— Sobre algunos aracnidos de la República Argentina. *Periodico Zoologico Soc. Entom. Argentina*, Vol. II, 1877, pp. 255-272.
509. ——— Descriptions of the Araneæ collected in Colorado in 1875 by A. S. Packard, Jr. M. D. *Bull. U. S. Geol. Survey*, Vol. III, 1877, pp. 477-528.
510. ——— Notice of the Spiders of the "Polaris" Expedition. *American Naturalist*, Vol. XII, 1878, p. 393.
511. ——— Förteckning öfver Arachnider fran Java och närgrändsande, etc. och sydamerikanska Spindlar. II. Descr. Aran. nov. in Amerika. *Bihang Svenska Akad.*, Vol. XX, Part IV, 1894, pp. 1-64.
512. TREAT, MARY. *Lycosa turricola*. *Harper's Monthly Magazine*, April, 1880.
513. ——— *Argiope riparia* var. *multiconcha*. *American Naturalist*, Vol. XXI, 1887, p. 1122.
514. TULLGREN, ALBERT. Contribution to the Knowledge of the Spiderfauna of the Magellan Territories. Svenska Expeditionen till Magellansländerna, Vol. II, Part 2, 1901, No. 10.
515. ——— On the Spiders collected in Florida by Dr. Einar Lönnberg. *Bihang Svenska Vet. Akad. Handlingar*, Vol. XXVII, 1901, Afd. IV, No. 1, pp. 1-29, pl. i.
516. ——— Spiders collected in the Aysen Valley in South-Chile by Mr. P. Dusén. *Ibid.*, Vol. XXVIII, 1902, Afd. IV, No. 1, pp. 1-75, pl. i-vii.

517. TULLGREN, ALBERT. Araneida from the Swedish expedition through the Gran Chaco and the Cordilleras. *Arkiv. Zool.*, Vol. II, 1905, pp. 1-81, with 10 plates.
518. TYRRELL, J. B. Canadian Spiders and North American Attidæ. *Ottawa Naturalist*, Vol. IX, 1896, pp. 204-205.
519. VANHÖFFEN, F. Die Fauna und Flora Grönlands. Grönland Expedition. Herausgeg. v. Ges. f. Erdkunde Berlin unter Leitung v. Erich von Drygalski. Vol. II, 1897, pp. 141-152.
520. VERRILL, ADDISON E. Zoology of the Bermudas. 2 volumes, 1900-1902. Vol. I, Arachnida, pp. 267-275; Vol. II, Arachnida, pp. 417-428.
521. ——— The Bermuda Islands. 2 Volumes. Second edition. New Haven, 1907, Araneina, Vol. I, pp. 417-428, figures 205-223.
522. VILLIERS, C. DE. Caroli Linnæi Entomologia, etc. 1789.
523. WALCKENAER, CHARLES ATHAN, Baron de. Faune Parisienne. 2 volumes, Paris, 1802. Aranea, Vol. II, pp. 187-250.
524. ——— Tableau des Aranéides. Paris. 1805. xii + 88 pages, 9 plates.
525. ——— Histoire naturelle des Aranéides. Strassbourg, 1805-1808.
526. ——— Les Arachnides. In: Faune française ou histoire générale et particulière, etc. Paris. 1820-1830. 240 pages and 10 plates.
527. ——— Mémoire sur une nouvelle espèce de Mygale (*M. zebrata*), sur les Theraphoses et les divers genres dont se compose cette tribue d'Aranéides. *Ann. Soc. Entom. France*, 1 sér., Vol. IV, 1835, pp. 23-27, pl. xix.
528. ——— Histoire naturelle des Insectes Aptères. 4 volumes. Paris. 1837-1847. Atlas with 52 plates. Edition Suites à Buffon.
529. WEED, CLARENCE M. Some Florida Spiders. *American Naturalist*, Vol. XXVI, 1892, p. 873.
530. WHITE, ADAM. Descriptions of new or little known Arachnida. *Ann. & Mag. Nat. Hist.*, Vol. VII, 1841, pp. 473-476.
531. ——— Arachnida. In: Southerland's Journal of a Voyage in Baffin's Bay and Barrow Straights. Vol. II. 1850.
532. ——— Description of Mygale Emilia, a Spider from Panama hitherto apparently unrecorded. *Proc. Zool. Soc. London*, Vol. XLIII, 1856, pp. 183-185, pl. xliii.
533. ——— Description of Mygale Emilia, a Spider from Panama hitherto apparently unrecorded. *Ann. & Mag. Nat. Hist.*, 2 ser., Vol. XIX, 1857, pp. 406-407.

