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**Autor:** Yuncker, T. G.  
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## A bibliography of the family Piperaceae

T. G. YUNCKER

DePauw University, Greencastle, Indiana

The present bibliography attempts to present, it is believed for the first time in a single list, most of the publications dealing with various aspects of members of the plant family Piperaceae. While emphasis has been placed on papers of taxonomic interest, those treating on cytology, morphology, physiology, and genetics also have been included. Likewise, a number discussing the preparation and use of the beverage kava (awa, ava, yagona, etc.), because of its popular interest, have been included. A number of papers, especially those dealing with the cultivation and diseases of commercially important species, as well as some treating of the chemistry and medicinal properties of contained drugs, have been intentionally omitted. While it is hoped that the list is reasonably complete, it is to be expected that an occasional paper, which logically should have been included, may have been overlooked.

Added, as an appendix, is a list of countries the species of which have been treated taxonomically in the various papers. This listing shows the authors together with index references to their papers.

- ABELE, K. 1923. Entwicklungsgeschichtliche Untersuchungen über die Piperaceen. *Peperomia verschaffeltii* Lem. und *P. metallica* (L.) Linden & Rodigas. *Acta Univ. Latviensis* **8**: 371-398. 57 fig.
- 1924. Untersuchungen an Gametophyten von *Peperomia incana*. *Bot. Arch.* **7**: 321-324. 6 fig.

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- AFZELIUS, A. 1813-1817. *Remed. Guineensis* 6: 39. Describes and discusses *Piper grandifolium* Afz. as new from Guinea.
- AITON, W. 1789. *Hortus Kewensis or a catalogue of the plants cultivated in the Royal Botanic Garden at Kew* 1: 48-50. Includes 5 species, of which *Piper polystachyon* and *P. pulchellum*, are described as new from Jamaica.
- ALAIN, H. 1960. Novedades en la flora cubana XI. *Mem. Soc. Cub. Nat. Hist.* 24: 111-112; also *Candollea* 17: 104. *Peperomia acaulis* is described as new.
- ANDERSSON, N. J. 1855. [Piperaceae in] Enum. Pl. Insul. Galapag. *Kungl. Svensk. Vet.-Akad. Handl. ser. 4. 1*: 158-159. [1853]. Lists 4 species of *Peperomia* from the Galapagos Islands of which *P. ramulosa* is described as new.
- Anonymous 1845. *Systema Piperacearum*; exposuit F. A. Guil. Miquel. *London Journ. Bot.* 4: 33-34. A review of Miquel's monograph.
- 1879. *Peperomia prostrata*. *Gard. Chron. ser. 2.* 11: 716. 1 fig. A good illustration and brief note regarding this ornamental species.
- 1887. *Cubeba* (*Piper cubeba* L.). *Bull. Misc. Inform. Kew*: 1-4. 1 tab.
- ARBELAEZ, E. P. 1847. [Piperales in] *Plantas utiles de Colombia*: 207-209. 6 fig. 1 tab. Discusses the economic uses of a number of species.
- AUBLET, J. B. C. F. 1775. *Histoire des plantes de la Guiane françoise* 1: 21-23. Describes 15 species including one new species, *Piper arboreum*.
- BAILEY, Clara M. 1928. The genus *Peperomia* in northeastern South America. *Trans. Illinois Acad. Sci.* 20: 41-55. Describes and keys 19 species from the Guianas.
- BAILLON, H. E. 1885. Madagascar plants. *Bull. Soc. Linn. Paris* 1: 478-479. Lists 19 species including the description of *Peperomia commersonii* as new.
- BAKER, C. F. 1907. Determinations of Cuban Piperaceae. *Torreyia* 7: 201-203.
- BAKER, J. G. 1869. *Refug. Bot.* 1: tab. 12, 13, 40, 41. Describes and illustrates 4 species of *Peperomia* from America.
- 1873. *Refug. Bot.* 5: tab. 302. Describes and illustrates *Peperomia puberula* as new from Guatemala.
- 1877. [Piperaceae in] *Flora of Mauritius and the Seychelles*: 294-298. Gives descriptions and keys covering 12 species including the description of *Peperomia penninervia* from Mauritius as new.
- 1882. Flora of central Madagascar. *Journ. of Bot.* 20: 244. Includes the description of *Peperomia tanalensis* as new.
- 1884. Contributions to the flora of Madagascar. *Journ. Linn. Soc. Bot.* 20: 239. Describes *Peperomia baroni* as new.
- 1886. Flora of Madagascar. *Journ. Linn. Soc. Bot.* 21: 436. Describes *Peperomia trichophylla* and *Piper pachyphyllum* as new.
- 1887. Flora of Madagascar. *Journ. Linn. Soc. Bot.* 22: 514-515. Describes *Piper emirnense* as new.
- 1890. Flora of Madagascar. *Journ. Linn. Soc. Bot.* 25: 342. Describes *Peperomia brachytricha* as new.

- BAKER, J. G. & WRIGHT, C. H. 1913. [Piperaceae in] Thiselton-Dyer, *Flora of Tropical Africa* 6: 143-156. Gives descriptions, synonymy and keys for 32 species. *Piper brachyrhachis* and *Peperomia magilensis*, *P. vulcanica* and *P. crassifolia* are described as new.
- BALFOUR, I. B. 1877. Aspects of the phanerogamic vegetation of Rodriguez, with descriptions of new plants from the island. *Journ. Linn. Soc. Bot.* 16: 20-21. *Peperomia hirta*, *P. reticulata*, and *P. rodrigueziana* are described as new.
- 1879. [Piperaceae in] An account of the petrological, botanical and zoological collections made in Kerguelen's Land and Rodriguez. *Phil. Trans. Roy. Soc. London* 168: 370-371. 1 tab. Describes 3 species of *Peperomia* from Rodriguez Island.
- BALLE, S. 1942. Revision des Piperaceae du Congo Belge. *Bull. Jard. Bot. Bruxelles* 16: 367-405. 1 tab. Gives detailed descriptions of 14 species including keys and bibliography. *Peperomia dubia* is described as new.
- BARBER, C. A. 1906. The varieties of cultivated pepper. *Bull. Dept. Agr. Madras.* 3: 123-133. 2 tab.
- BARRAU, J. 1957. A propos du *Piper methysticum* Forst. *Journ. Agr. Trop. Bot. Appl.* 4: 270-273.
- BARTLING, F. Th. 1863. *Index seminum horti academici Gottingensis*: 6. Describes *Pothomorpha hirsuta* as new from Venezuela.
- BECKER, R. 1931. Der Bau und die Entwicklungsgeschichte der Ölzellen und ihres Inhaltes, vornehmlich bei *Peperomia*. *Bot. Arch.* 33: 48-80. 15 fig.
- BEINLING, E. 1883. Untersuchungen über die Entstehung der adventiven Wurzeln und Laubknospen an Blattstecklingen von *Peperomia*. *Beitr. Biol. Pfl.* 3: 25-50. 2 tab.
- BENNET, G. 1832. Medical properties of the kava shrub, etc. *Lond. Med. Phys. Journ.* ser. 2. 11: 110-111. Abstract.
- BENTHAM, G. 1843. Enumeration of the plants collected by R. B. Hinds, Esq., and by Mr. Barclay in the Feejee Islands, Tauna, New Ireland and New Guinea, etc. *London Journ. Bot.* 2: 234-235. *Piper fragile* from New Guinea and *Macropiper puberulum* from Fiji are described as new.
- 1844-48. *Plantas hartwegianas*. 1844: 148-149. 1846: 253-256. 1848: 293. Includes the descriptions of *Peperomia cotyledon*, *P. quitensis*, *Artanthe appendicula* and *A. hartwegiana* as new.
- 1861. [Piperaceae in] *Flora hongkongensis*: 335-336. Describes and keys 3 species of *Chavica* (*Piper*), of which *C. puberula* is new.
- 1894. [Piperaceae in] *Botany of the voyage of H.M.S. Sulphur*: 166-168. 1 tab. Includes 13 species from North and South America, 4 of which are described as new species.
- BENTHAM, G. & HOOKER, J. D. 1880. *Genera plantarum* 3: 125-133. Describes the genera of the family Piperaceae.

- BERGIUS, P. J. 1772. *Piper aggratum*, descriptum a Petro Jona Bergio. *Acta. Helv. Phys.-Math.-Anat.-Bot.-Med.* 7 : 131-132. 1 tab.
- BERNARD, L. 1843. *Mémoire sur la culture du poivrier à la Guiane Française*: 1-163.
- BERTOLONI, A. 1890. *Florula Guatimalensis* : 7-8. 1 tab. *Piper patulum* is described as new.
- BLANCO, M. 1837-77. [Piperaceae in] *Flora de Filipinas*. ed.1 : 21-24. 1837. ed. 2 : 15-17. 1845; subsequent much enlarged edition under the direction of Andres Naves and Fernandez-Villar. 1 : 29-32. 1877. Includes the descriptions of several new species.
- BLOT, J. 1960. Contribution à l'étude cytologique du genre *Peperomia*. *Rev. Gen. Bot.* 67 : 522-535.
- BLUME, C. L. 1823. [Piper in] *Catalogus van eenige der merkwaardigste zoo in- als uitheemsche gewassen, the vinden in 'sland plantentuin te Buitenzorg*: 32-35. Lists 11 species from Java including 5 which are described as new.
- 1826. Monographie der oost-indische pepersoorten. *Verh. Batav. Genootsch.* 11 : 140-245. 2 tab. 42 fig. An extensive monographic treatment giving detailed descriptions of the East Indian species, 31 of which are described as new.
- 1827a. [Piper in] *Enumeratio plantarum Javae et insularum adjacentium* 1 : 64-77. Forty species of *Piper* are described.
- 1827b. Observations sur la structure des poivres. *Ann. Sci. Nat. Bot.* 12 : 216-224.
- BOERLAGE, J. G. 1900. [Piperaceae in] *Flora van Nederlandsch Indiae*: 68-77. Lists, describes, and keys the sections, together with their respective species.
- BOJER, W. 1837. [Piperaceae in] *Hortus mauritianus*: 334-336. Lists 11 species for the island.
- BRAULT, R. L. 1935. A chemical and macroscopical study of *Jaborandy*. *Bull. Mass. Coll. Pharm.* 25 : 23
- BRITTON, N. L. 1902. A new *Peperomia* from the Island of St. Kitts. *Torreyia* 2 : 43. Describes *Peperomia davisii*.
- 1917. *Peperomia obtusifolia*. *Addisonia* 2 : 19-20. 1 tab. Description and colored plate.
- 1918. [Piperaceae in] *Flora of Bermuda*: 94. 1 fig. Describes and illustrates *Peperomia septentrionalis* S. Br. as the only native species.
- 1920. Descriptions of Cuban plants new to science. *Mem. Torrey Bot. Club.* 16 : 57-62. *Peperomia similis* and *P. cueroensis* are described as new.
- BRITTON, N. L. & WILSON, P. 1924-30. [Piperaceae in] *Sci. Surv. Porto Rico Virgin Islands* 5 : 219-229. 6 : suppl. : 532-533. Describes and keys 32 species, of which *Peperomia wheeleri* and *P. megalopoda* are new.
- BROWN, N. E. 1882. *Piper borneense*. *Gard. Chron.* ser. 2. 17 : 108. Described as a new species under cultivation from Borneo.
- 1884. *Piper ornatum*. *Gard. Chron.* ser. 2. 22 : 424. An ornamental species in cultivation described as new.

- 1884. *Piper porphyrophyllum*. *Gard. Chron.* ser. 2. **22**: 438. *A new name for an East Indian ornamental species.*
- BROWN, S. 1909. Notes on the flora of the Bermudas. *Proc. Acad. Phil.* **61**: 490-491. *Describes Peperomia septentrionalis as new.*
- BROWN, Wm. H. 1908. The nature of the embryo sac of *Peperomia*. *Bot. Gaz.* **46**: 445-460. *3 tab.*
- 1910. The exchange of material between nucleus and cytoplasm in *Peperomia sintenisii*. *Bot. Gaz.* **49**: 189-194. *1 tab.*
- BROWNE, P. 1756. *Civil and natural history of Jamaica*: 121-122. *Describes and discusses 4 species of Piper.*
- BRUNETTE, C.K.G. 1889. *Des fruits utiles de Piperites*. Thèse. Ecole supérieure de pharmacie de Paris: 1-100. *3 tab.*
- BUEK, H. W. 1874. [Piperaceae in] *Genera, species et synonyma candolleana alphabetico ordine disposita, seu index generalis et specialis ad A.P. DeCandolle et Alph. DeCandolle. Prodrumum systematis naturalis regni vegetabilis 4*: 245-251, 284-296.
- BUERLING, P. J. 1856. *Primitiae florum portobellensis*. *Kungl. Svensk. Vet.-Akad. Handl.* ser. 4. **1**: 147-148. [1854]. *Describes Peperomia portobellensis as new from Panama.*
- BURKART, A. 1945. La Piperácea más austral en la República Argentina. *Darwiniana* **7**: 171-173. *Describes and discusses Peperomia catharinae.*
- 1951. Observaciones sobre una *Peperomia* terrestre y sus afines en el norte de Buenos Aires y el Chaco. *Bol. Soc. Argent. Bot.* **4**: 95-104. *1 tab. 3 fig. Detailed description and discussion of Peperomia comarapana.*
- BURKI, M. 1952. *Peperomien*. *Schweiz. Gärtnerz.* **55**, 7: 2-3.
- CAMPBELL, D. H. 1899a. A peculiar embryo sac in *Peperomia pellucida*. *Ann. Bot.* **13**: 626. *A preliminary note.*
- 1899b. Die Entwicklung des Embryosackes von *Peperomia pellucida* Kunth. *Ber. Deutsch. Bot. Ges.* **17**: 452-456.
- 1901. The embryo-sac of *Peperomia*. *Ann. Bot.* **15**: 103-117. *1 tab.*
- CANDOLLE, A. P. de. 1837.  *Ic. Select. Plant.* **3**: 53-54. *Describes and figures Piper methysticum and Serronia jaborandi.*
- CANDOLLE, C. de. 1866a. Mémoire sur la famille des Pipéracées. *Mem. Soc. Phys. Hist. Nat. Genève* **18**, 2: 1-32. *Discusses the morphology and anatomy of members of the family.*
- 1866b. *Piperaceae novae*. *Journ. of Bot.* **4**: 132-147, 161-167, 210-219, 300. *Contains descriptions of a large number of new species from various parts of the world.*
- 1869. [Piperaceae in] *DC Prodrumum 16*, 1: 235-471. [1869]. *A monographic treatment of all species known at the time.*

- CANDOLLE, C. de (*suite*). 1872a. [Piperaceae in] Warming, Symbolae ad floram brasiliae centralis cognoscendam. *Vid. Medd. Nat. For. Kjøbenh.*: 89-94. *Lists a number of species collected at Lagoa Santa and Rio de Janeiro.*
- 1872b. Piperaceae novae. *Linnaea* **37**: 333-390. [1872]. *Numerous species are described from various parts of the world.*
- 1882. Nouvelles recherches sur les Pipéracées. *Mém. Soc. Phys. Hist. Nat. Genève* **27**: 305-318. 15 tab. *Six species from the West Indies and South America are described as new.*
- 1889. [Piperaceae in] Plantae Lehmannianae in Guatemala, Costarica, Columbia, Ecuador etc. collectae. *Bot. Jahrb.* **10**: 286-290. *Nine species are described as new.*
- 1890a. Piperaceae costaricensis novae. *Compt. Rend. Soc. Roy. Bot. Belg.* **59**: 69-71. *Five species are described as new.*
- 1890b. Recherches sur les inflorescences épiphyllées. *Mém. Soc. Phys. Hist. Nat. Genève* [vol. suppl. 1891] **6**: 22-23. *Discusses the possibility of foliar origin of the inflorescence in certain species of Peperomia.*
- 1890c. Les Pipéracées de l'Equateur, de la Nouvelle-Grenade et du Pérou de la collection de M. Ed. André. *Journ. de Bot.* [Morot]. **4**: 395-399. *Lists 79 species of which 6 pipers and 10 peperomias are described as new.*
- 1891. [Piperaceae in] Durand & Pittier, Primitiae florum costaricensis. *Bull. Soc. Bot. Belg.* **30**: 196-235. Also published as a separate with different pagination. *Numerous species are described as new.*
- 1892a. [Piperaceae in] Henriques, Contribuição para o estudo da flora d'África. *Catalogo da flora da Ilha de S. Thomé. Bol. Soc. Brot.* **10**: 152-155. *Includes 7 species of which 2 Piper and 2 Peperomia are described as new.*
- 1892b. Piperaceae boliviana. *Bull. Torrey Bot. Club* **19**: 47-49; 254-255. *Describes 10 new species collected by Rusby, Bang, and Stübel.*
- 1892c. [Piperaceae in] Morong & Britton, An enumeration of the plants collected by Dr. Thomas Morong in Paraguay, 1888-1890. *Ann. N. Y. Acad.* **7**: 213-215. *Seven species are listed and briefly described.*
- 1893. [Piperaceae in] Micheli, Contrib. Fl. Paraguay. *Mem. Soc. Phys. Hist. Nat. Genève* **32**: 5-10. 3 tab. *Nineteen species are listed. Piper cinerascens and P. fulvescens are described as new.*
- 1894a. [Piperaceae in] J. D. Smith, undescribed plants from Guatemala. *Bot. Gaz.* **19**: 5-10. *Four pipers and 7 peperomias are described as new.*
- 1894b. [Piperaceae in] J. D. Smith, Undescribed plants from Guatemala and other Central American Republics, XIII. *Bot. Gaz.* **19**: 258-261. *Seven species are described, including Peperomia luxii from Guatemala as new.*
- 1894c. New Piperaceae from Bolivia. *Bull. Torrey Bot. Club* **21**: 160-161. *Peperomia pseudo-rufescens, P. psilophylla, and Piper longestylosum.*
- 1895a. Piperaceae africanae et madagascariensis. *Bot. Jahrb.* **19**: 224-230. *Eighteen species are described as new.*

- 1895b. [Piperaceae in] Rose, Report on a collection of plants made in the States of Sonora and Colima, Mexico, by Dr. Edward Palmer, in the years 1890 and 1891. *Contr. U. S. Nat. Herb.* **1**: 354. *Piper palmeri*, var. *manzanillo-sanum* and *P. unguiculatum* var. *longifolium* are described as new.
- 1897a. [Piperaceae in] Pittier, Primitiae florum costaricensis. *Bol. Inst. Fis.-Geogr. Nac. Costa Rica* **9**: 153-223. Also distributed as a reprint with different pagination. Contains a large number of species described as new.
- 1897b. Piperaceae Andreanae. *Bull. Herb. Boiss.* **5**: 696-711. Includes 82 species. Sixteen species previously published in *Journ. Bot. Morot* are given more detailed descriptions.
- 1898a. [Piperaceae in] Kuntze, *Revisio generum plantarum* **3**, 2: 272-275. Four species from Bolivia and Argentina and 1 variety from Natal are described as new.
- 1898b. Piperaceae novae. *Ann. Conserv. Jard. Bot. Genève* **2**: 252-288. Includes 85 species of which 65, mostly from Indo China, Central and South America, and the West Indies, are described as new.
- 1898c. Piperaceae sodiroanae. *Bull. Herb. Boiss.* **6**: 477-495; 505-521. Includes 119 species from Ecuador of which 23 pipers and 30 peperomias are described as new.
- 1898d. Diagnosen neuer Arten. *Bull. Herb. Boiss.* **6**: 564. *Piper orenocanum* from Venezuela is described as new.
- 1898e. Piperaceae boliviana. *Bull. Torrey Bot. Club.* **25**: 566-572. Eleven species are described as new.
- 1899. Piperaceae africanae II & III. *Bot. Jahrb.* **26**: 360-361. *Peperomia humblotii*, *P. baumannii*, *P. standtii*, and *P. laeteviridis* are described as new.
- 1900. [Piperaceae in] Loesener, Species et varietates novae vel minus cognitae centrali-americanae et mexicanae. *Bot. Jahrb.* **29**: 94-95. *Peperomia rothschuhi* and *Piper rothschuhi* are described as new from Nicaragua.
- 1901a. Piperaceae Uleanae e Brasilia. *Bot. Jahrb.* **29**. Beibl. 65: 24-27. Thirty-six species are listed, including *Piper humile*, *P. multinodum*, *P. flabellinerve*, and *Peperomia ulei* as new.
- 1901b. [Piperaceae in] Huber, Plantae Cearenses. *Bull. Herb. Boiss.* ser. 2. **1**: 298-299. Lists 8 species, of which *Piper huberi* and *P. gigantifolium* var. *brevipedunculatum* are described as new.
- 1901c. Piperaceae et Meliaceae brasilienses a cl. W. Schwacke lectae. *Bull. Herb. Boiss.* ser. 2. **1**: 353-360. Lists 48 species of Piperaceae of which 5 species of *Piper* and 4 of *Peperomia* are described as new.
- 1902a. [Piperaceae in] D. Smith, Undescribed plants from Guatemala and other Central American Republics, XXIII. *Bot. Gaz.* **33**: 257. *Piper calophyllum* from Guatemala is described as new.
- 1902b. Piperaceae. *Symbolae Antillanae* **3**: 159-274. A comprehensive, monographic presentation of the West Indian species, including full descriptions, synonymy, and keys. A number of species are described as new.

- CANDOLLE, C. de (*suite*). 1903. [Piperaceae in] Chodat & Hassler, *Plantae hasslerianae*. *Bull. Herb. Boiss.* ser. 2. **3**: 394-403. *Eleven species from Paraguay are described as new.*
- 1904. Zwei neue Piper-Arten aus China. *Bull. Herb. Boiss.* ser. 2. **4**: 1026. *Piper macropodum* and *P. polysyphonum*.
  - 1905a. [Piperaceae in] Johnston, *New plants from the Islands of Margareta and Coche, Venezuela*. *Proc. Am. Acad.* **40**: 685. *Piper johnstoni*, *P. margaritanum*, and *Peperomia victoriana* var. *margaritana* are described as new.
  - 1905b. [Piperaceae in] Perkins, *Fragmenta florum philippinae*. **3**: 153-160. *Fifteen species and 2 varieties of Piper are described as new.*
  - 1905c. [Piperaceae in] Usteri, *Beiträge zur Kenntnis der Philippinen und ihrer Vegetation mit Ausblicken auf Nachbargebiete*: 125. *Piper usteri* is described as new.
  - 1906a. [Piperaceae in] Schlechter, *Beiträge zur Kenntnis der Flora von Neu-Kaledonien*. *Bot. Jahrb.* **39**: 92-93. *Five species are listed including the description of Piper paitensis as new.*
  - 1906b. [Piperaceae in] Pilger, *Beiträge zur Flora der Hylaea den Sammlungen von E. Ule*. *Verh. Bot. Ver. Brandenburg* **47**: 104-118. *Includes 44 species from the State of Amazonas, Brazil, and Dept. of Loreto, Peru, of which 24 are described as new.*
  - 1906-1909. [Piperaceae in] Huber, *Materiales para a flora amazonica*. *Bol. Mus. Emilio Goeldi* **4**: 554. 1906. **5**: 330-332. 1909. *Piper nigrispicum*, *P. durilignum* and *P. nigropunctatum* are described as new.
  - 1907a. [Piperaceae in] Beauverd, *Plantae damazianae brasilienses*. *Bull. Herb. Boiss.* ser. 2. **7**: 139-143. *Includes the descriptions of 1 species and 1 variety of Piper and 4 species and 2 varieties of Peperomia as new.*
  - 1907b. [Pipéracées nouvelles du Chaco in] Hassler, *Plantae paraguayenses*. *Bull. Herb. Boiss.* ser. 2. **7**: 917-919. *Peperomia santa-elisae*, *P. pseudo-reflexa*, and *P. rojasii* are described as new.
  - 1907c. [Piperaceae in] Urban, *Nova genera et species, III*. *Symb. Antill.* **5**: 294-298. *Two species of Piper and 7 species of Peperomia from the West Indies are described as new.*
  - 1908a. *Trois Peperomia des Nouvelles-Hébrides*. *Bull. Herb. Boiss.* ser. 2. **8**: 329-330. *Peperomia quaifei*, *P. pallidinervis*, and *P. leptostachyoides* are described as new.
  - 1908b. [Piperaceae in] Urban, *Plantae novae andinae imprimis weberbauerianae, III*. *Bot. Jahrb.* **40**: 242-267. *Describes as new 53 species from Peru, Colombia and Ecuador.*
  - 1909a. [Piperaceae in] Miss Gibbs, *A contribution to the montane flora of Fiji*. *Journ. Linn. Soc. Bot.* **39**: 162-167. *Includes 14 species of which 5 Piper and 6 Peperomia are described as new.*
  - 1909b. [Piperaceae in] Dusen, *Beiträge zur Flora des Itatiaia*. *Arkiv. Bot.* **9**: 4-6. *Includes 5 species. Piper itatiaianum is described as new.*

- 1910a. A revision of Philippine Piperaceae. *Philip. Journ. Sci. Bot.* **5**: 405-463. *Includes keys to 22 species of Peperomia and 103 of Piper, of which a large number are described as new.*
- 1910b. Philippine Piperaceae. *Leaft. Philippine Bot.* **3**: 759-789. *Includes 44 species of which 22 species of Piper and 7 of Peperomia are described as new.*
- 1910c. [Piperaceae in] Rechinger, Botanische u. Zoologische Ergebnisse einer Wissenschaftlichen Forschungsreise nach den Samoainseln, dem Neuguinea-Archipel und dem Salomoninseln. *Denkschr. Akad. Wiss. Wien Math. Naturw.* **85**: 264-269. Also as a reprint with different pagination. *Includes 4 species of Piper and 7 of Peperomia from Samoa as new.*
- 1910d. [Piperaceae in] Lecomte, *Flore générale de l'Indo-Chine.* **5**: 62-92. *Descriptions and keys are provided for 42 species, 20 of which are considered new.*
- 1910-1914. [Piperaceae in] Lorentz, *Nova Guinea* **8**: 415-422. [1910]. 1005-1010. [1914]. *Includes the descriptions of a large number of new species.*
- 1911a. [Piperaceae in] Stewart, A botanical survey of the Galapagos Islands. *Proc. Calif. Acad. Sci. ser. 4.* **1**: 48-50. *Ten species are listed. Peperomia obtusilimba and P. stewartii are described as new.*
- 1911b. [Piperaceae in] Pax, *Plantae novae bolivianae, V. Repert. Spec. Nov.* **9**: 229-235. *Eleven species from Bolivia are described as new.*
- 1911c. [Zwei neue javanische Piperaceen in] Koorders-Schumacheer, *Syst. Verzeich. Herb. Koorders* **1**: 8-9. *Piper rindu and P. suaveolens.*
- 1911d. Pipéracées de Madagascar espèces et localités nouvelles. *Not. Syst. [Paris]* **2**: 46-51. *Fifteen species are listed including 10 species of Peperomia and 2 of Piper which are described as new.*
- 1911e. Piperaceae de l'Afrique orientale récoltées par le R. P. Sacleux. *Not. Syst. [Paris]* **2**: 51-53. *Five species are listed including the descriptions of Piper trichopodium, P. sacleuxii, and P. odoratum as new.*
- 1911f. Note sur la distribution géographique des espèces du genre Peperomia R. & Pav. *Bull. Géogr. Bot.* **21**: 3-6. *Discusses the distribution, in particular that of certain wide-spread species as P. reflexa and P. pellucida.*
- 1912a. Piperaceae meeboldianae herbarii vratslaviensis. *Repert. Spec. Nov.* **10**: 518-523. *Eight species and 1 variety of Piper from the East Indies are described as new.*
- 1912b. [Piperaceae in] Urban, *Nova genera et species, V. Symbolae Antillanae* **7**: 182-190. *Five species of Piper and 8 of Peperomia from the West Indies are described as new.*
- 1912c. Piperaceae novae e Peninsula Malayana. *Rec. Bot. Surv. India* **6**: 1-27. *Lists 54 species, including 3 of Peperomia and 49 of Piper described as new.*
- 1912d. [Piperaceae in] Hochreutiner, *Plantae hochreutineranae. Ann. Conserv. Jard. Bot. Genève* **15, 16**: 231-235. *Lists 21 species including Piper gracilipes from Java and Peperomia asperulata and P. hochreutineri from Hawaii as new.*
- 1913a. The Hawaiian peperomias. *Bull. Coll. Hawaii* **2**: 1-38. 8 fig. *Descriptions and keys are provided for 73 species of which 47 are described as new.*

- CANDOLLE, C. de (*suite*). 1913b. [Piperaceae in] Fuhrmann & Mayor, Voyage d'exploration scientifique en Colombie. *Mém. Soc. Neuchâtel Sci. Nat.* **5**:358-359. Lists 7 species. *Peperomia macrotricha* is described as new.
- 1913c. [Piperaceae in] Winkler, Beiträge zur Kenntnis der Flora und Pflanzengeographie von Borneo, III. *Bot. Jahrb.* **49**: 352-356. Lists 13 species including 6 *Piper* and 1 *Peperomia* described as new.
- 1914a. [Piperaceae in] Miss Lilian S. Gibbs, On the flora and plant formations of Mt. Kenabalu and British North Borneo. *Journ. Linn. Soc. Bot.* **42**: 127-129. Lists 5 species. *Piper amphibracteum* and *Peperomia decumbens* are described as new.
- 1914b. Six new Piperaceae. *Leaflet. Philippine Bot.* **6**: 2292-2294. Five species of *Piper* and 1 of *Peperomia* from the Philippines are described as new.
- 1914c. Piperaceae novae. *Not. Syst.* [Paris] **3**: 38-44. Eleven species from Africa, China, Mexico and South America are described as new.
- 1914d. Piperaceae meeboldianae herbarii vratislaviensis, II. *Repert. Spec. Nov.* **13**: 297-311. Lists 18 species of which 2 species of *Peperomia* and 3 of *Piper* from southern Asia are described as new.
- 1914e. [Piperaceae in] Pax, Plantae novae bolivianae, VI. *Repert. Spec. Nov.* **13**: 304-311. Includes the descriptions of 13 new species, 1 new variety and 1 new form based on collections by Buchtien.
- 1914f. Plantae paraguarienses novae, a cl. E. Hassler et cl. K. Fiebrigio lectae. *Bull. Soc. Bot. Genève ser. 2.* **6**: 107-112. 1 fig. Lists 29 species. *Piper rojasii* is described as new.
- 1914g. [Piperaceae in] Merrill, An enumeration of the plants of Guam. *Philipp. Journ. Sci. Bot.* **9**: 71-72. Lists 6 species. *Peperomia guamana* and *P. saipana* are described as new.
- 1914h. [Piperaceae in] Skottsberg, Studien über die Vegetation der Juan-Fernández-Inseln. *Kungl. Svensk. Vet.-Akad. Handl.* **51**: 20. Includes 3 species. *Peperomia skottsbergii* is described as new.
- 1914i. [Piperaceae, in] Rechinger, Botanische u. zoologische Ergebnisse von den Samoa- u. Solomonsinseln. *Denkschr. Akad. Wiss. Wien Math. Naturw.* **89**: 527-532. 2 tab. Seven species and 4 varieties of *Piper* from the Solomon Islands are described as new.
- 1914j. [Piperaceae in] Hallier, Die botanischen Ergebnisse der Elbert'schen Sunda-Expedition des Frankfurter Vereins für Geographie und Statistik, II. *Meded. Rijks Herb. Leiden* **22**: 1-7. Twenty-one species are included, of which 5 species of *Piper* and 6 of *Peperomia* are described as new.
- 1915a. [Piperaceae] in Herzog, Die von Dr. Th. Herzog auf seiner zweiten Reise durch Bolivien in den Jahren 1910 and 1911 gesammelten Pflanzen. *Meded. Rijks Herb. Leiden* **27**: 7-9. Lists 10 species. *Piper nigriconectivum*, *P. herzogii*, *Peperomia comarapara*, and *P. herzogii* are described as new.
- 1915b. Piperaceae. *Viert. Naturf. Ges. Zurich.* **60**: 431-432. *Peperomia cilifolia* from Brazil and *Piper angremondii* from Dutch Guiana are described as new.

- 1916a. Piperaceae Philippinenses novae vel nuper repertae. *Philip. Journ. Sci. Bot.* **11**: 207-225. *Includes 64 species, of which 23 species of Piper are described as new.*
- 1916b. Piperaceae argentinae. *Repert. Spec. Nov.* **14**: 395-398. *Thirteen species are included of which 1 species of Piper and 4 species and 2 forms of Peperomia are described as new.*
- 1916c. Piperaceae neo-caledonicae. *Viert. Naturf. Ges. Zurich.* **61**: 632-633. *Peperomia canalensis, P. lifuana and Piper staminodiferum are described as new.*
- 1917a. Piperaceae neotropicae. *Notizbl. Bot. Gart. Berlin.* **6**: 434-476. *Includes 166 species of which a large number are described as new.*
- 1917b. Piperaceae chinenses. *Notizbl. Bot. Gart. Berlin.* **6**: 476-482. *Includes 17 species of Piper of which 9 are described as new.*
- 1917c. Piperaceae novae. *Notizbl. Bot. Gart. Berlin.* **6**: 482-483. *Piper barbispicum from Borneo and Peperomia subpallescens from New Caledonia are described as new.*
- 1917d. [Piperaceae in] Pilger, *Plantae uleanae novae vel minus cognitae.* *Notizbl. Bot. Gart. Berlin.* **6**: 485-497. *Numerous species from Brazil and Peru are described as new.*
- 1917e. Piperaceae antillanae. *Repert. Spec. Nov.* **15**: 1-4. *Eight West Indian species are described as new.*
- 1917f. [Piperaceae in] Gibbs, *Phytogeogr. & Flora Arfak Mts.*: 127-128, 207-208. *Piper arfakianum, P. pilosulinodum, P. bosnicanum, and P. bipunctatum are described as new.*
- 1918. Piperaceae a Jaheri in insulis Key collectae. *Meded. Rijks Herb. Leiden.* **32**: 1-2. *List 5 species, including Piper subepunctatum, P. oblongibracteum, and P. keyanum described as new.*
- 1919. Beiträge zur Kenntnis der Piperaceen von Papuasien, in Lauterbach, *Beiträge zur Flora von Papuasien, VI.* *Bot. Jahrb.* **55**: 204-220. *Includes 46 species of which 23 species of Piper and 11 of Peperomia are described as new.*
- 1920a. New species of Piper from Panama. *Smithson. Misc. Collect.* **71**: 1-17. *Twenty-seven species are described as new.*
- 1920b. Piperaceae africanae. *Bot. Jahrb.* **57**: 18-19. *Piper zenkeri from Kamerun and Peperomia kyimbilana and P. stolzii from Nyassaland are described as new.*
- 1920c. New species of Piper from Central America. *Bot. Gaz.* **70**: 169-189. *Numerous species are described as new.*
- 1920d. Piperaceae formosanae novae. *Ann. Conserv. Jard. Bot. Genève* **21**: 221-224. *Piper arboricola, P. subglaucescens, Peperomia formosana and P. laticaulis are described as new.*
- 1920e. Piperaceae bakeriana, e Brasilia. *Ann. Conserv. Jard. Bot. Genève* **21**: 225-227. *Piper bakerianum, P. carniovarium, P. marcoanum, and P. carni-connectivum are described as new.*

- CANDOLLE, C. de (*suite*). 1920f. Piperaceae colombianae et peruvianae novae vel nuper lectae. *Ann. Conserv. Jard. Bot. Genève*. **21** : 229-249. *Includes 58 species many of which are described as new.*
- 1920g. Piperaceae ecuadorenses novae vel nuper lectae. *Ann. Conserv. Jard. Bot. Genève*. **21** : 251-270. *Includes 62 species many of which are described as new.*
- 1920h. Piperaceae javanicae novae. *Ann. Conserv. Jard. Bot. Genève* **21** : 271-277. *Six species of Piper and 5 of Peperomia are described as new.*
- 1920i. Piperaceae e Borneo et e Sumatra novae aut nuper repertae. *Ann. Conserv. Jard. Bot. Genève*. **21** : 279-295. *Includes 24 species of Piper and 2 of Peperomia described as new.*
- 1920j. Piperaceae celebicae novae. *Ann. Conserv. Jard. Bot. Genève* **21** : 298-304. *Twelve species of Piper and 1 of Peperomia are described as new.*
- 1920k. Piperaceae mexicanae. *Ann. Conserv. Jard. Bot. Genève* **21** : 305-322. *Includes 51 species, many of which are described as new.*
- 1920l. [Piperaceae in] Sarasin & Roux, *Nova Caledonia* **1** : 131-133. *Piper staminodiferum, Peperomia kamalensis, P. lifuana, and P. sarasinii are described as new.*
- 1921. Piperaceae novae e Micronesia et Polynesia allatae. *Bot. Jahrb.* **56** : 502-506. *One species of Piper and 11 of Peperomia are described as new.*
- 1922. Zwei neue Piper aus Neo-Mecklenburg. *Bot. Jahrb.* **57** : 354-355. *Piper peekelii and P. anisopleurum.*
- 1923. Piperacearum clavis analytica. *Candollea* **1** : 66-415. *An analytical key covering all known species. Published posthumously. Contains a number of inadequately described new species which are later more fully described by Briquet. (See next item.)*
- 1925. Piperaceae novae. *Candollea* **2** : 187-226. *The clavis included 21 species of Piper and 42 of Peperomia designated as new but without proper descriptions. Dr. Briquet here assembles the characters into formal descriptions, furnishes type localities, and indicates types collections for those species from India, Indo-China, New Guinea, Australia, and tropical Africa.*
- CANDOLLE, C. de, VAN HEURCK, H., & MUELLER, J. 1870. [Piperaceae novae in] Van Heurck, *Observationes botanicae et descriptiones plantarum novarum herbarii Van Heurckiani*: 111-117. *Peperomia casimiri and P. subvillosa from Martinique, and P. pellucida var. minor from Panama are described as new.*
- CHAPMAN, A. W. 1883. *Flora of the Southern U.S. Suppl.* : 645. *Describes 2 species of Peperomia from Florida, including P. leptostachya as new.*
- CHAUVEAU, J. M. 1860. Sur diverses espèces de vers à soie et sur l'ortie blanche de Chine. *Bull. Soc. Acclim.* **7** : 341-345. *Includes a brief note on Piper sinensis.*
- CHRISTOPHERSEN, E. 1944. New phanerogams from Tristan da Cunha. *Results Norw. Sci. Exped. Tristan da Cunha 1937-38*, **11** : 5. *1 fig. Describes Peperomia tristanensis as new.*

- CHURCHILL, Wm. 1916. Samoan kava custom. Holmes anniversary volume. Washington: 53-66.
- COLENZO, W. 1895. Phanerogams: A description of a few more newly-discovered indigenous plants. *Trans. Proc. Inst. New Zealand* **27**: 393-394. Describes *Peperomia muricatulata* and *P. novae-zealandiae* as new from New Zealand.
- CRUZ, J. P. G. da & COSTA, O. de A. 1944. Familia das Piperaceas. *Rev. Fl. Med. Bras.* **11**: 299-313. 5 fig.
- CUATRECASAS, J. 1946. Notas a la flora de Colombia, IX. *Revista Acad. Colomb.* **7**: 51-52. 1 tab. *Trianaeopiper contraverrucosa*, *T. bullatum*, *T. umbricolum*, and *T. silvaticum* are described as new.
- CUFODONTIS, G., 1934. La plante raccolte durante la Spedizione Biologica Austriaca in Costarica nel 1930. *Archivio Bot.* **10**: 259-262. Lists 20 species.
- CUZENT, G. 1939-40. Du kava ou ava. *Bull. Soc. Etud. Ocean.* **6**: 240-245, 276-283.
- DAHLSTEDT, H. 1900. Studien über Sud- und Central-Amerikanische Peperomien. *Kungl. Svensk. Vet.-Akad. Handl.* **33**, 2: 1-218. 11 tab. Gives descriptions, synonymy, illustrations, and keys for approximately 200 species.
- DANIEL, W. F. 1854. On the *Cubeba clusii* of Miquel, the black pepper of Western Africa. *Pharm. Journ.* **14**: 198-203. 1 fig.
- DEBRAY, F. 1885. *Etude comparative des caractères anatomiques et du parcours des faisceaux fibro-vasculaires des Pipéracées*. Thèse. Faculté des Sciences de Paris: 1-109. 16 tab.
- DEGENER, O. 1930. [Piperaceae in] *Illustrated guide to the more common or noteworthy ferns and flowering plants of Hawaii National Park, etc.*: 122-124. 1 tab. General discussion together with illustration of *Peperomia reflexa*.
- 1932. [Piperaceae, family 83 in] *Flora hawaiiensis, or new illustrated flora of the Hawaiian islands*. Unbound pages without numbers assembled under family numbers. Key to the genus *Peperomia*, and descriptions, synonymy, and illustrations of *Peperomia membranacea*, *P. oahuensis*, and *Piper methysticum*, largely adapted from Yuncker's revision of the genus *Peperomia* in Hawaii.
- DELESSERT, B. 1837. [Piperaceae in] *Icones selectae plantarum...* **3**: 54. 1 tab. The genus *Serronia* is proposed as new by Gaudichaud.
- DEFONTAINES, R. 1829. *Cat. Hort. Paris* ed. 3: 414. Lists 8 species of *Piper*. *P. celtidifolium*, *P. discolorum*, *P. purpurascens*, and *P. suaveolens* are described as new.
- DEWÈVRE, A. 1894. Recherches sur le Cubèbe et sur les Pipéracées qui peuvent s'y trouver. *Soc. Roy. Sci. Med. Nat. Bruxelles* **3**: 1-64. Several fig. Anatomical (Separate).
- DIEHL, J. R. 1932. Kava and kava-drinking. *Primitive Man.* **5**: 61-68.
- DIELS, L. 1937. Beiträge zur Kenntnis der Vegetation und Flora von Ecuador. *Bibliot. Bot.* **29** n° 116: 74-79. Lists and discusses 20 species, 7 of which are described as new.

- DIELS, L. (*suite*). 1938. Piperaceae. *Notizbl. Bot. Gart. Berlin*. **14**: 28-29. *Piper eustylum and Peperomia herthae from Ecuador are described as new*
- DIETRICH, A. 1831. [Piperaceae in] *Spec. Plant.* ed. 6. **1**: 140-186, 634-695. *A large number of Piper species are transferred to the genus Peperomia.*
- DIETRICH, D. 1839. [Piperaceae in] *Syn. Pl.* **1**: 107-123. *Describes 353 species of which nearly 30 are described as new.*
- DIEZ, R. 1887. [Piperaceae in] Über die Knospelage der Laubblätter. *Flora* **70**: 547.
- DOMIN, K. 1910. Piperaceae. *Queensland Agr. Journ.* **24**: 222. *Describes Peperomia affinis as new from Queensland.*
- 1921-29. Beiträge zur Flora und Pflanzengeographie Australiens. Piperaceae. *Bibliot. Bot.* **22**: 557-559. *Includes 10 species. Piper harveyanum and Peperomia bellendenkerensis from Queensland are described as new.*
- DRAKE DEL CASTILLO, E. 1893. [Piperaceae in] *Flore de la Polynésie française*: 163-166. *Presents literature citations, keys, and descriptions for 8 species.*
- DUMONT DE COURSET, G. L. M. 1811. *Le Botaniste cultivateur*, ed. 2. **6**: 377-382. *Describes 27 pipers, mostly West Indian species.*
- DUNCAN, D. S. 1907. A new type of embryo sac in Peperomia. *Johns Hopkins Univ. Circ.* **178**: 29-32.
- DUNN, S. T. 1909. New Chinese plants. *Journ. of Bot.* **47**: 377. *Describes Piper matthewi as new.*
- DUSS, R. P. 1897. [Piperaceae in] *Flore phanérogamique des Antilles françaises (Guadeloupe et Martinique)*. *Ann. Mus. Colon. Marseille* **3**: 169-180. *Describes 24 species.*
- ECHEVERRIA C. J. A. 1949. Cinco nuevas plantas para Costa Rica. *Suelo Tico* **2**: 548-555. *1 fig. Peperomia solisii is described as new by Trelease.*
- EGGERS, H. F. A. 1876. St. Croix's Flora. *Vid. Medd. Dansk. Nat. For. København*: 148. *Lists 8 species.*
- EMERSON, O. P. 1903. The awa habit of the Hawaiians. *Hawaiian Annual*: 130-140 (*vide Titcomb*).
- ENDLICHER, S. 1833. [Piperaceae in] *Prod. Fl. Norfolkinae*: 36-37. *Describes Piper aemulum, P. adscendens, P. simplex, and P. psittacorum as new.*
- ENGLER, A. 1894. [Piperaceae in] *Die natürlichen Pflanzenfamilien*. **31**: 3-11. *7 fig. Gives a general discussion of the anatomy, together with the systematic arrangement and key to the genera.*
- 1899. Piperaceae africanae, III. *Bot. Jahrb.* **26**: 361. *Describes Peperomia staudtii and P. laeteviridis from Kamerun as new.*
- 1901. [Piperaceae in] Beiträge zur Flora von Afrika, XX. *Bot. Jahrb.* **28**: 374-375. *Lists 4 species including Peperomia ulugurensis and P. goetzeana described as new from Uluguru.*
- 1902. [Piperaceae in] Beiträge zur Flora von Afrika, XXII. *Bot. Jahrb.* **30**: 289-290. *Peperomia ukingensis and P. rungwensis from East Africa are described as new.*

- 1910. Piperaceae africanae, VI. *Bot. Jahrb.* **45**: 276-277. *Peperomia winkleri* from Kameroun, *P. usambarensis* from Usambara, and *P. brachytrichoides* from Rhodesia are described as new.
- 1911. [Piperaceae in] Mildbraed, *Wissenschaftliche Ergebnisse der deutschen Zentral-Afrika Expedition 1907-08.* **2**: 177. Includes 8 species. *Peperomia hygrophila* from Kamerunberg is described as new.
- ESPINOSA, R. 1949. [Piperaceae in] Estudios bot. Ecuador. *Publ. Univ. Loja* **2**: 31-33. Lists and briefly describes 22 species.
- EXELL, A. W. 1928. Unrecorded citations of species from Colombia. *Journ. of Bot.* **66**: 291-293. Two obscure species, *Peperomia nummularifolia* Garcia and *Piper telembi* Garcia, are discussed.
- FAGERLIND, F. 1939. Die Entwicklung des Embryosackes bei *Peperomia pellucida* Kunth. *Ark. Bot.* **29**: 1-15. 4 tab.
- FARWELL, O. A. 1917. Kava. *Drugg. Circ.* **61**: 230. Discusses the status of the name *Piper methysticum* and its synonymy.
- 1919. *Drugg. Circ.* **63**: 49-50.
- FAWCETT, W. & RENDLE, A. B. 1912. New plants from Jamaica. *Journ. of Bot.* **50**: 177. *Peperomia crassicaulis* is described as new.
- 1914. [Piperaceae in] *Flora of Jamaica* **3**: 1-26. 11 text fig. 1 tab. Gives descriptions, synonymy, and keys for 52 species.
- FERGUSON, A. M. & J. 1902 [?] *All about pepper including practical instructions for planting, cultivation, and preparation for market.* 90 pp. Colombo. Brief articles extracted from various sources. General.
- FISCHER, F. E. L. & MEYER, C. A. 1837. *Index Seminum Hortus Petropolitanus* **4**: 42. *Peperomia urocarpa* is described as new from Brazil.
- FISHER, G. C. 1914. Seed development in the genus *Peperomia*. *Bull. Torrey Bot. Club* **41**: 137-156, 221-241. 4 tab. (Thesis).
- FORBES, F. B. & HEMSLEY, W. B. 1891. [Piperaceae in] An enumeration of all the plants from China proper, Formosa, Hainan, Corea, the Luchu Archipelago, and the island of Hongkong, together with their distribution and synonymy. *Journ. Linn. Soc. Bot.* **26**: 364-367. Lists 11 species. *Piper hainanense* from Hainan is described as new.
- FORSTER, G. 1786. *Florulae insularum australium*: 4-5. Includes 7 species of *Piper*.
- 1786. *Plantis esculentis*: 76-77. *Piper methysticum* is described as new.
- FORTAK, G. 1931. Die Cytologie der Keimung einer Zingiberaceae und einer Piperaceae. *Bot. Arch.* **33**: 97-135. 15 fig.
- FOURNIER, E. 1876. *Artanthe decurrens*. *Illustration Horticole* **23**: 58. 1 tab. Described as a new ornamental species.
- FRATER, A. S. 1958. Medical aspects of Yaqona. *Trans. Proc. Fiji Soc.* **5** (fide Steinmetz).
- GAMBLE, J. A. 1924. *Plantarum novarum in Herbario Horti Regii Conservatorum.* *Kew Bull.*: 387. *Piper barberi* from India is described as new.

- GARCIA, E. 1896. Los Ofidios Venenosos del Cauca.: 67-69. *Piper telembi and Peperomia nummularifolia from Colombia are described as new.*
- GARDNER, G. 1842. Contributions towards a flora of Brazil. *London Journ. Bot.* **1**: 187-188. *Peperomia corcovadensis is described as new.*
- GATTY, R. 1956. Kava — Polynesian beverage shrub. *Econ. Bot.* **10**: 241-249. *Piper methysticum.*
- GAUDICHAUD-BEAUPRÉ, C. & GUILLEMIN, A. 1837. *Serronia jaborandi.* *Icon. Selectae Plant.* **3**: 54-55. *1 tab. Genus Serronia and 1 species are described.*
- GENTRY, H. S. 1955. Apomixis in black pepper and jojoba? *Journ. Hered.* **46**: 8.
- GOWDA, M. 1951. The story of pan chewing in India. *Bot. Mus. Leafl. Harvard Univ.* **12**: 181-214. *3 tab.*
- GRIFFITH, Wm. 1854. Notulae ad plantas asiaticas **4**: 383. *Schizonephos is described as a new genus from Malacca.*
- GRISEBACH, A. H. R. 1854. Systematische Bemerkungen. *Abh. Ges. Wiss. Goettingen* **6**: 44. *Peperomia nummularioides is described as new from Chile.*
- 1861. [Piperaceae in] *Pl. Wrightianae e Cuba Orientali. Mem. Am. Acad. ser. 2.* **8**: 175. *Lists 23 species. Peperomia ionophylla and Ottonia sphaerocarpa are described as new.*
- 1864. [Piperaceae in] *Flora of the British West Indies*: 164-172. *Includes 55 species of which 2 species of Peperomia and 4 of Piper are described as new.*
- 1866. *Catalogus plantarum cubensium*: 63-65. *Includes 38 species. The genus Mildea with 2 species and the genus Symbryon with 1 species, together with 1 species of Peperomia and 1 of Ottonia are described as new.*
- GROFF, G. W. 1932. Piperales of Kwantung, China. *Lingnan Sci. Journ.* **11**: 81-100. *The species are described and discussed. Includes an index to Chinese names in characters.*
- HALLIER, H. 1896-1898. Neue und Bemerkenswerte Pflanzen aus dem Malaiisch-Papuanischen Inselmeer. *Ann. Jard. Bot. Buitenzorg* **13**: 295-298. *3 tab.* 1896. *Bull. Herb. Boiss.* **6**: 618. 1898. *Describes and illustrates Piper elatostema, P. argyroneurum and P. metallicum from Borneo as new.*
- HAMILTON, G. 1825. *Prodromus Plantarum Indiae Occidentalis*: 1-4. *Includes 14 species of which 11 are described as new.*
- HANAUSEK, T. F. 1886. *Ueber die Harz- und Obräume in der Pfefferfrucht*: 1-14. *1 tab.* Separat-Abdruck aus dem Programme der k.k. Staats-Realschule am Schottenfelde.
- HANSTEIN, J. 1872. Die Blüten-Entwicklung der Piperaceen. *Bot. Abhandl. Morph. Physiol.* **2**: 1-74. *5 tab.*
- HART, J. H. 1899. *Piper nigrum in Trinidad.* *Bull. Bot. Dept. Trinidad* **21**: 223. *Illustr.*
- HATUSIMA, S. 1935. Contributiones ad dendrologiam Nipponae Australis. *Acta Phytotax. Geobot.* **4**: 210. *Piper sintenense is described as a new species from Formosa.*

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- 1918. *Untersuchungen an Makrogametophyten von Piperaceen*. *Beitr. Allg. Bot.* [Berlin] **1**: 115-149. 39 fig.
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- 1821. [Piper in] *Revisiones Plantarum succulentarum* **3**: 198. *Piper rubellum* and *P. concinnum* are described from Jamaica as new.
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- HOFFSTADT, R. E. 1916. The vascular anatomy of *Piper methysticum*. *Bot. Gaz.* **62**: 115-132. 23 fig.
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- HOME, E. 1847. On the native cloth and on the kava of the South Sea Islanders. *Bot. Mag.* **13**: 37-41. Discusses the making of tapa cloth and the preparation of kava drink in the Tongan Islands.
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- HOOKE, W. J. 1823. [*Peperomia* in] *Exotic flora* **1**: tab. 21, 22, 23, 58, 67. Gives descriptions and plates of 5 species of American *peperomias*.
- 1825. *Peperomia maculosa*. *Exot. Fl.* **2**: 92. Description and illustration.
- 1827. *Peperomia*. *Exotic Flora* **3**: 164-165. Describes and illustrates *P. reniformis* and *P. ovalifolia* as new from the island of St. Vincent's, West Indies.
- 1829. *Peperomia clusiaefolia*. *Bot. Mag. ser. 2.* **3**: tab. 2943. Description and illustration.
- 1832. *Piper*. *Bot. Mag. ser. 2.* **6**: tab. 3132, 3139. Describes and illustrates *P. nigrum* and *P. betle*.
- 1837. *Peperomia margaritifera*. *Hook. Ic.* **1**: tab. 91. Described and illustrated as new from Juan Fernandez.

- 1841. *Peperomia*. *Hook. Ic.* **4**: tab. 327, 332. *Describes and illustrates P. galeottiana and P. lancifolia as new from Mexico.*
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- HOYO DE NUNEZ, E. & JOHNSON, C. H. 1943. A preliminary study of *Piper marginatum* Jacq. *Journ. Am. Pharm. Assoc.* **32**: 234-236.
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- 1949b. On *Peperomia magnoliifolia* and its varieties. *Gart.-Tid.* **65**: 68. *In Danish.*

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- KOSTELENTZKY, V. F. 1833. Piperaceae. *Allgemeine medizinisch-pharmazeutische Flora* **2**: 455-456. Proposes *Peperidia* as a new genus.
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  - 1847. Peperomia claytonioides. *Ind. Sem. Hort. Berol.* **11**. *Described as new from Guatemala.*
- KUNTZE, O. 1891. [Piperaceae in] *Revisio generum plantarum* **2**: 564-565. *Piper corrugatum and P. sublineatum from Costa Rica are described as new.*
- LAING, R. M. & BLACKWELL, E. W. 1907. [Piperaceae in] *Plants of New Zealand*: 127-128. *1 tab. Two species are described.*
- LAMARK, C. 1791. [Piperaceae in] *Tableau encyclopédique et méthodique...* **1**: 79-83. *1 tab. Includes 37 species, 9 of which are described as new.*
- LAUTERBACH, C. 1908. Beiträge zur Flora der Samoa-Inseln. *Bot. Jahrb.* **41**: 224-225. *Lists 4 species of which Piper vaupelii is described as new.*
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- LEMEE, A. 1955. [Piperaceae in] *Flore de la Guyane française*. **1**: 470-492. *Describes 12 species of Peperomia and 58 Piper.*
- LEON, HNO & ALAIN, HNO. 1948. [Piperaceae in] *Novedades de la Flora Cubana. Revista Soc. Géogr. Cuba Bot.* **5**: 75-77. *1 fig. Piper clementis and P. baracoanum are described by Leon and P. speculatoris by Trelease as new.*
- LESTER, R. H. 1942. Kava drinking in Vitilevu, Fiji. *Oceania* **12**: 97-121. 226-254. *8 tab. Gives a historical account and discussion of the kava ceremony.*
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- LIEDBECK, P. J. 1817. *De Pipere Cubeba*: 1-11. *Dissertation. Upsala.* (Resp. C. P. Thunberg).
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- 1872. Peperomia velutina. *Illustration horticole* **19**: 16. *1 tab. Described and illustrated as a new species from Ecuador.*
- LINDEN, J. & RODIGAS, E. 1892. Peperomia metallica. *Illustration horticole* **39**: tab. 157. *Described and illustrated as a new species from Peru.*

- LINK, H. F. 1820. Piperaceae. *Jahrb.* **1**, 3 : 60-65. *Several species from South America are described as new.*
- 1821. [Piperaceae in] *Enumeratio plantarum, etc.* **1** : 36-39. *Includes 27 species from South America. Piper colubrinum, P. spurium, and P. amplexifolium are described as new.*
- LINK, H. F. & OTTO, F. 1820. [Piperaceae in] *Icones plantarum selectarum*: 15-17. 2 tab. *Piper sidaefolium and P. incanum are described as new from Brazil.*
- LINNAEUS, C. 1737. [Piperaceae in] *Hortus cliffortianus*: 6-7, 139-140. 1 tab. *Four species are included.*
- 1753. [Piper in] *Species plantarum* **1** : 28-30. *Seventeen species of Piper are described. These include a number of species now included in the genus Peperomia.*
- LINNAEUS, C. f. 1781. [Piper in] *Supplementum plantarum systematis vegetabilium*: 90-91. *Five species are described as new.*
- LLOYD, C. G. 1900. The use of kava by the Samoan Islanders. *Pharm. Rev.* **18** : 261-266. 3 fig.
- LOUDON, J. C. 1829. [Piperaceae in] *Encyclopaedia of plants*: 28-29. 12 fig. *Lists and briefly describes 44 species.*
- LOUREIRO, J. de 1790. [Piper in] *Flora cochinchinensis* **1** : 30-31. *Four species are included. P. pinnatum is described as new.*
- LUBBOCK, J. 1895-1898. [Piperaceae in] On stipules, their forms and functions. *Journ. Linn. Soc. Bot.* **30** : 515-519. 1 fig. 1895. **33** : 235. 1897.
- LUNDELL, C. L. 1934. [Piperaceae in] New or otherwise noteworthy plants from Mexico and Central America. *Phytologia* **1** : 337. *Piper mayanum is described as new from British Honduras.*
- 1937. [Piperaceae in] Studies of Mexican and Central American plants. *Carnegie Inst. Publ.* **478** : 208. *Transfers 2 species from the genus Arctotonia to Piper.*
- 1941. Undescribed plants from Tropical America. *Lloydia* **4** : 44. *Piper matudai and P. usumacintense are described as new from Mexico.*
- McKOWN, L. W. 1928. Some misunderstood Piperaceae. *Bot. Gaz.* **85** : 46-65. 3 fig. *The status of 3 questionable species is discussed in detail.*
- MAKINO, T. 1887. Peperomia in Japan. *Bot. Mag. Tokyo* **1** : 189-190. 1 tab. *General discussion in Japanese.*
- 1901. Observations on the flora of Japan. *Bot. Mag. Tokyo* **15** : 145-147. *Peperomia japonica and P. boninsimensis are described as new.*
- 1933. Piper futokadsura. *Honzo* **10** : 7-10. 1 fig. *Historical discussion in Japanese.*
- 1955. [Piperaceae in] *Illustrated flora of Japan*: 677-678. *Describes and illustrates 2 species of Piper. In Japanese.*
- MARLOTH, R. 1913. [Piperaceae in] *Flora of South Africa* **1** : 128-129. 3 fig. *Brief discussion.*

- MARTENS, M. & GALEOTTI, H. 1843. [Piperaceae in] *Synoptica plantarum phanerogamicarum ab Henrico Galeotti in regionibus mexicanis collectarum*. *Bull. Acad. Bruxelles* **10**, 1: 127-133. *Includes 24 species, including 8 species of Piper described as new.*
- MARTINOLI, G. 1948. Embriologia della *Peperomia maculosa* Hook. *Nuov. Giorn. Bot. Ital.* **55**: 235-250. 27 fig.
- MARTIUS, K. F. P. 1837. *Herbarium florae brasiliensis*. *Flora* **20**. Beibl.: 93. *Piper exsectum* is described as new.
- 1843. *Systema materiae medicae vegetabilis Brasiliensis*: 99-100. *Describes the medical properties of several species including Piper parthenium which is described as new.*
- MATHEW, P. M. 1958. Studies on Piperaceae. *Journ. Indian Bot. Soc.* **37**: 135-171.
- MATSUMURA, J. & HAYATA, B. 1906. [Piperaceae in] *Enumeratio plantarum (Formosa)*: 344-347. *Four species of Piper and 2 of Peperomia are listed.*
- MAUGINI, E. 1950. Ricerche cito-embriologiche sul genere *Piper*. *Caryologia* **3**: 221-233.
- 1952-1953. Ricerche cito-embriologiche su *Piper medium* Jacq. var. *ceanothifolium* (H.B.K.) Trel. et Yun. *Caryologia* **5**: 282-287.
- MERRILL, E. D. 1917. [Piperaceae in] An interpretation of Rumphius's *Herbarium Amboinense*. *Philippine Bur. Sci. Publ.* **9**: 180-185. *Interprets the species of Rumphius in terms of modern nomenclature. Piper caducibracteum C. DC. is described as new.*
- 1920. [Piperaceae in] New or noteworthy Philippine plants, XVI. *Philip. Journ. Sci. Bot.* **17**: 239-246. *Piper angustipeltatum, P. catubigense, and P. elmeri are described.*
- 1922. [Piperaceae in] Diagnoses of Hainan plants. *Philip. Journ. Sci. Bot.* **20**: 339. *Piper maclurei* is described as new.
- 1923. [Piperaceae in] *An enumeration of Philippine flowering plants* **2**: 2-21. *Lists the Philippine species together with synonymy and local names.*
- MEYER, G. F. W. 1818. [Piperaceae in] *Primitiae flora essequeboensis*: 15-16. *Describes 6 species of Piper, of which P. divaricatum as new.*
- MIKLOUHO-MACLAY, N. de. 1886. Note on the "Keu" of the Maclay-Coast, New Guinea. *Proc. Linn. Soc. N.S.W.* **10**: 687-695. [1885]. *Discusses the use of Piper methysticum in the preparation of the beverage.*
- MILLER, P. 1768. [Piperaceae in] *Gardner's dictionary*. ed. 8: 1-13. *Describes and discusses 13 species.*
- MILLSPAUGH, C. F. 1896. [Piperaceae in] *Flora of Yucatan*. *Publ. Field Mus. Bot.* **1**: 293. *Peperomia glutinosa* is described as new.
- 1900. [Piperaceae in] *Plantae Utowanae*. *Publ. Field Mus. Bot.* **2**: 32-33. *Four species are included, of which Peperomia crassiuscula from Yucatan is described as new.*

- MIQUEL, F. A. W. 1839a. Note préliminaire sur les genres de la famille des Pipéracées. *Bull. Sci. Phys. Nat. Néerl.* **1**: 446-453. *Describes the genera: Cubeba, Muldera, Piper, Macropiper, Pothomorphe, Peperomia, Artanthe, Serronia, Zippelia, and Micropiper.*
- 1839b. [Commentatio de vero Pipere Cubeba deque speciebus cognatis ac cum eo commutatis in] *Commentarii Phytographici*: 1-28. 3 tab. *A detailed description and excellent illustrations.*
- 1840a. Note préliminaire sur les genres de la famille des Pipéracées. *Ann. Sci. Nat.* **14**: 167-172. *An extract of his 1839a paper.*
- 1840b. [Observationes de Piperaceis et Melastomaceis in] *Commentarii Phytographici* 31-65. 6 tab. *Detailed descriptions and excellent illustrations.*
- 1843a. [Piperaceae in] Meyen, *Beitr. Bot. Verh. K. Acad. Leop.-Carol. Naturf.* **16** (Suppl. II): 483-495.
- 1843b. Over eenige nieuwe Gestachten uit de Familie der Piperaceen. *Inst. Versl. Med.*: 80-84. *Erasmia and Tildenia are described as new genera from Mexico.*
- 1843c. [Piperaceae in] Observationes botanicae de quibusdam Plantis, quas in Colonia Surinamensi legit vir graviss H. C. Focke. *Inst. Versl. Med.*: 193-200. *Describes 6 species and also the genus Acrocarpidium as new.*
- 1843-1844. *Systema Piperacearum*: 1-571. *A detailed monographic report including all known species, many of which are described as new.*
- 1844. [Piperaceae in] *Symbolae ad floram surinamensem. Linnaea* **18**: 225-229, 606-608, 710-716. *Includes 45 species of which 6 are described as new. The genus Nematanthera is also described as new.*
- 1845. Animadversiones in Piperaceas Herbarii Hookeriani. *London Journ. Bot.* **4**: 410-470. *An important paper covering 180 species in 14 genera, many of which are described as new.*
- 1846a. Illustrationes Piperacearum. *Nova Acta Acad. Leop.-Carol.* **21**. Suppl.: 1-87. 92 tab. *Describes 87 species. The illustrations are excellent.*
- 1846b. Annotationes in Piperaceas Herbarii Arnottiani, praesertim indicas a cel. Wight lectas. *London Journ. Bot.* **5**: 548-559. *Describes 11 new species from India.*
- 1847a. Mantissa Piperacearum e speciminibus musei vindobonensis, regii Monacensis et Martiani. *Linnaea* **20**: 117-182. 1 tab. *A large number of species, chiefly from collections of Pohl and Martius, and largely from Brazil are described as new.*
- 1847b. Peperomiae species duas novas. *London Journ. Bot.* **6**: 459-460. *Peperomia ciliolata from Mexico and P. pallescens from Guatemala are described as new.*
- 1848. Piperaceae Reinwardtianaee. *Linnaea* **21**: 178, 481-486. *Includes 18 species from the East Indies, of which Macropiper reinwardtianum from the island of Nussa Laut is described as new.*

- 1849. [Piperaceae in] *Plantae kegelianae surinamenses*. *Linnaea* **22**: 76-78, 574. *Lists 27 species*. *Artanthe kegeliana*, *A. rudgeana*, and *A. regnellii* are described as new.
  - 1852-1853. [Piperaceae in] Martius *Flora brasiliensis* **4**, 1: 1-76. 24 tab. *Describes 174 species*. *The illustrations are excellent; Mantissa: 220-221. Includes 13 species, of which Peltobryon cyrtopodium and Artanthe renitens are described as new.*
  - 1853a. [Piperaceae in] Stirpium novarum Sylloge. *Linnaea* **26**: 217-219. *Enckea subpanduraeformis from Jamaica and Chavica hugeliana from Australia are described as new.*
  - 1853b. [Piperaceae in] *Plantae junghuhniana* 14-18, 294-295. *Lists 15 species including 6 from Java described as new.*
  - 1854a. [Piperaceae in] Zollinger, *Systematisches Verzeichniss im indischen Archipel* **1**: 83-86. *Lists 37 species, including Peperomia gemella and Piper quinqueangulatum described as new.*
  - 1854b. [Piperaceae in] Seemann, *The botany of the voyage of H.M.S. Herald*: 197-200. 6 tab. *Describes 9 new species from Panama.*
  - 1859. [Piperaceae in] *Flora indiae batavae*: 431-456. 1 tab. *Describes 76 East Indian species including synonymy.*
  - 1860. [Piperaceae in] *Flora indiae batavae*. Suppl. 1: 472-473. *Chavica subseptemnervia and C. multinervia from Sumatra are described as new.*
  - 1863. Piperaceae. *Annales Musei botanici Lugduno-Batavi* **1**: 134-141. I. *Species novae, praesertim a Forsteno detectae*: 134-135. II. *Adnotationes de speciebus cognitis*: 135-138. III. *Species a cl. Korthals, praesertim in Sumatra, collectae*: 138-140. IV. *Species a Teysmanno in insula Celebes et in Archipelago Mollucano collectae*: 140-141. *Includes 62 species of which 12 are described as new.*
  - 1868. *De Piperaceis Novae Hollandiae*. *Vers. Med. Akad. [Amsterdam]*. ser. 9. **2**: 53-64. *Includes 4 species, of which Piper novae-hollandiae and P. banksii are described as new.*
  - 1871. *Enumeratio Piperacearum in Brasilia a Doct. Regnell detectarum, etc.* *Arch. Néerl.* **6**: 168-176. Also *Verh. Kon. Akad. Wetensch.* **5**: 230-238. 1871, with identical text. *Includes 32 species, of which 5 are described as new.*
- MOLFINO, J. F. 1949. Piperaceas medicinales. *Chacra* **19**: 74-75.
- MOORE, J. W. 1934. Botanical name of the Polynesian ava, in taxonomic studies of raiatean plants. *Bishop Mus. Occ. Papers* **10**: 3-5. *Discusses the legitimacy of various names applied to Piper methysticum.*
- MOORE, S. 1921. [Piperaceae in] *Plants from New Caledonia and the Isle of Pines*. *Journ. Linn. Soc. Bot.* **45**: 381-382. *Five species are included. Piper comptonii from New Caledonia is described as new.*
- 1923. [Piperaceae in] Rendle, Dr. H. O. *Forbes's New Guinea plants*. *Journ. of Bot.* **61**. Suppl.: 40-41. *Piper sogerense and P. obesispicum are described as new.*

- MOORE, S. (*suite*). 1925. [Piperaceae in] Dr. H. O. Forbes's Malayan plants. *Journ. of Bot.* **63**. Suppl. 83-85. *Piper accedens* and *P. lateoblongum* are described as new.
- MORICAUD, S. 1840. *Plantes nouvelles d'Amérique*: 86-90. 1 tab. *Ottonia blanchetii* and *O. pteropoda* from Brazil are described as new.
- MORSON, T. R. N. 1844. Observations on certain plants of the genus *Piper*. *Pharm. Journ.* **3**: 471-478. *Illustr.*
- MUELLER, F. 1866. [Piperaceae in] *Fragmenta phytographiae Australiae* **5**: 197-198. *Piper triandrum* is described as new.
- 1891. Descriptions of new Australian plants, with occasional other annotations. *Vict. Nat.* **8**: 109. *Peperomia enervis* is described as new.
- MURTY, Y. S. 1952. Placentation in *Peperomia*. *Phytomorphology* **2**: 132-134. 3 fig.
- 1958. Anatomy of the flower of *Peperomia*. *Journ. Indian Bot. Soc.* **37**: 474-491. 63 fig.
- 1959a. Anatomy of three species of *Piper*. *Proc. Natl. Inst. India* **25**: 31-38. 28 fig.
- 1959b. Morphology of some species of *Peperomia*. *Journ. Indian Bot. Soc.* **38**: 120-139. 88 fig.
- 1959c. Studies in the order Piperales, VII. *Journ. Indian Bot. Soc.* **38**: 195-203.
- 1959d. A contribution to the study of floral morphology of some species of *Piper*. *Proc. Indian Acad.* **49**: 52-65. 45 fig.
- 1959e. A contribution to the study of floral anatomy of *Pothomorphe umbellata* (L.) Miq. *Proc. Indian Acad.* **49**: 82-85. 12 fig.
- 1960. A contribution to the study of vegetative anatomy of some species of *Peperomia*. *Phytomorphology* **10**: 50-59. 41 fig.
- NAKAI, T. 1922. Notulae ad plantas japoniae et koreae, XXVIII. *Bot. Mag. Tokyo* **36**: 128. *Peperomia pacifica* is described as new.
- NECKER, N. J. de. 1790. *Elementa botanica* **3**: 194. *Piperiphorum* is described as a new genus.
- NEES VON ESENBECK, C. G. 1820. *Piper rubricaulis*. *Horae physicae Berolinenses* **48**. 1 tab. Described as new from Brazil.
- NEES VON ESENBECK, C. G. & MARTIUS, K. F. P. 1823. [Piperaceae in] *Beitr. Fl. Bras. Verh. Leop.-Carol. Akad.* **3**: 9. *Piper iuliflorum* is described as new.
- NICHOLSON, G. 1888. Illustrated dictionary of gardening. **3**: 74-75, 146-148. 3 fig. Several species are described and illustrated.
- NUTTALL, T. 1822. A catalogue of a collection of plants made in East-Florida during the months of October and November 1821 by A. Ware, Esq. *Am. Journ. Sci.* **5**: 287-288. Describes *Piper leptostachyon* as new.
- OPIZ, F. M. 1830. [Piperaceae in] Presl, *Reliquiae Haenkeanae* **1**: 150-164. 5 tab. Describes 38 new species based on collections chiefly from Mexico, Peru, Panama, and the Philippines.

- OHWI, J. 1953. [Piperaceae in] *Flora of Japan*: 393-394. *Two species are included. In Japanese.*
- OTTO, F. & DIETRICH, A. 1840. Die Piperaceae oder Pfeffer Arten des Königlichen botanischen Gartens in Berlin. *Allg. Gartenzeit.* **8**: 353-355. *Lists 41 species.*
- PARHAM, B. E. V. 1935. Wilt disease of "yangona". *Agr. Journ. Fiji* **8**: 2-8. *Yangona is the Fijian vernacular name for P. methysticum.*
- 1938. Piper aduncum in Fiji. *Agr. Journ. Fiji* **9**: no. 3. *This American species now common and weedy in Fiji.*
- PARODI, D. 1878. [Piperaceae in] *Contribuciones a la flora del Paraguay. Anal. Soc. Ci. Argent.* **6**: 43-47, 90-96, 96-106. *Includes and describes 11 species.*
- PERSOON, C. H. 1805. [Piperaceae in] *Synopsis plantarum* **1**: 31-35. *Lists and describes 105 species.*
- PETER, A. 1932. [Piperaceae in] *Flora von Deutsch-Ostafrika. Repert. Spec. Nov.* **40**: 47-56. suppl. 1: 18. *1 tab. Includes 25 species, Peperomia triadophylla being described as new.*
- PFEIFFER, L. 1874. [Piperaceae in] *Nomenclator botanicus.* **2**, 1: 629, 724-725.
- PHILIPPI, R. A. 1859-1860. *Plantarum novarum chilensium. Linnaea* **30**: 200. *Peperomia australis is described as new.*
- 1860. [Piperaceae in] *Florula atacamensis*: 49. *Peperomia doelli is described as new.*
- PITTIER, H. & al. 1945. [Piperaceae in] *Catalogo de la flora venezolana. 3rd Conf. Interamer. de Agric.-Caracas* **1**: 238-247. *Lists about 175 species including a number of new names without description.*
- PLUMIER, C. 1693. [Piper in] *Desc. des plantes de l'Amérique*: 50-61. *13 tab. Describes and illustrates 12 West Indian species.*
- 1755. *Plantarum americanarum Fasc.* **1**: 238-239. *tab. 242. fig. 2, 3. One species of Piper is described and figured.*
- PLUSZCZEWSKI, E. 1885. *Etude de la famille des Pipéracées au point de vue de la morphologie & de l'anatomie comparée.* 77 pp. *8 tab. Thèse de pharmacie de l'Ecole supérieure de pharmacie de Paris.*
- POIRET, J. L. M. 1804. [Piperaceae in] Lamarck, *Encyclopédie méthodique* **5**: 457-478. *Describes 87 species.*
- 1816. [Piperaceae in] Lamarck, *Encyclopédie méthodique. Suppl.* **4**: 452-472. *Describes about 100 species.*
- PRESL, C. B. 1849. [Piperaceae in] *Epimeliae botanicae*: 222-231. *Describes 23 species, of which 9 from Peru and Brazil are described as new.*
- PROCTOR, G. R. 1959. A new Peperomia from Jamaica. *Rhodora* **61**: 218-219. *Peperomia lewisii.*
- PULLE, A. 1906. [Piperaceae in] An enumeration of the vascular plants known from Surinam, together with their distribution and synonymy: 139-145. *Includes 45 species.*

- QUISUMBING, E. 1930. Philippine Piperaceae. *Philip. Journ. Sci. Bot.* **43**: 1-246. 24 tab. 124 text fig. Monographic. Includes over 100 species, a number of which are new.
- RADDI, G. 182-. *Enumerazione della specie di Piper raccolte al Brasile*: 1-14. 1 tab.
- RAFINESQUE, C. S. 1838. *Sylva Telluriana*: 84-85. Introduces a number of new generic names.
- REGEL, E. 1858. Vier noch unbeschriebene Peperomien des Herbariums des Kaiserlichen Botanischen Gartens in St-Petersburg. *Bull. Soc. Nat. Moscou* **31**: 542-545. 1 tab. *Peperomia paniculata*, *P. punctulata*, and *P. dichotoma* from Brazil, and *P. jamesoni* from Ecuador are described.
- 1859a. Zwei Peperomien. *Gartenflora* **8**: 228-229. 1 tab. *Peperomia urocarpa* and *P. riedeliana* are described as new.
- 1859b. *Peperomia stenocarpa*. *Gartenflora* **8**: 291. 1 tab. Described as new from Brazil.
- 1879. *Descriptiones plantarum novarum et minus cognitarum* **7**: 7. *Peperomia fenzlei* is described as new.
- RENDLE, A. B. 1900. [Piperaceae in] Andrews, *Monog. Christmas Island*: 186. *Peperomia rossi* is described as new.
- 1908. [Piperaceae in] Plants collected on Mt. Ruwenzori by A. G. F. Wolloston. *Journ. Linn. Soc.* **38**: 278. Describes *Peperomia ruwenzoriensis* as new.
- RHEEDE TOT DRAAKESTEIN, H. A. van. 1688. [Piperaceae in] *Horti malabarici* **7**: 23-31. 5 tab. Describes and illustrates 5 species of Piper.
- RICHARD, A. 1834. [Piperaceae in] *Voyage de l'Astrolabe*: 356-357. *Peperomia urvilliana* is described as new from New Zealand.
- 1850. [Piperaceae in] La Sagra, *Flora cubana* **11**: 226-229. Twelve species are described, including *Piper articulatum*, *P. leptostachyum*, and *Peperomia lineatipila* as new.
- 1851. [Piperaceae in] *Tentamen florae abyssinicae* **2**: 274. *Peperomia freireae-folia* is described as new.
- RIDLEY, H. N. 1895. *Peperomia malaccensis*. *Kew. Bull.*: 185. Described as new from Malacca.
- 1916. [Piperaceae in] Plants collected in Dutch New Guinea. *Trans. Linn. Soc. Bot. ser. 2.* **9**: 141-143. Includes 11 species, 7 of which are described as new.
- 1917. [Piperaceae in] Results of an expedition to Korinchi Peak, Sumatra. *Journ. Fed. Malay States Mus.* **8**: 80. Includes 8 species of which *Peperomia villosa* is described as new.
- 1920a. [Piperaceae in] On a collection of plants from peninsular Siam. *Journ. Fed. Malay States Mus.* **10**: 111-112. Includes 3 species of Piper of which *P. kraensis* and *P. polycarpa* are described as new.
- 1920b. [Piperaceae in] New and rare species of Malayan plants. *Journ. Asiat. Soc. Straits*: 188-190. Five species of Piper are described as new.

- 1923. [Piperaceae in] Botanical excursion in Sumatra. *Journ. Malayan Branch Asiat. Soc.* **1**: 87-89. *Twelve species are listed. Piper philodendron, P. melanocarpum, P. salticola, and P. coactile are described as new.*
  - 1924. [Piper uncinulatum in] New Malayan plants. *Journ. of Bot.* **62**: 300. *Described as new.*
  - 1924-1925. [Piperaceae in] *The flora of the Malay Peninsula* **3**: 25-51. *1 fig.* 1924. **5**: suppl.: 327-329. 1925. *Describes and gives keys to about 90 species. Piper venosum and P. subgrande are described as new.*
- RIZZINI, C. T. 1952. De Piperaceis tribus, nova minusque cognitis, ad genus *Ottoniam* relatis. *Dusenya* **3**: 263-266. *1 tab. Describes Ottonia angustifolia as new from Brazil.*
- RODRIGAS, E. 1887. *Piper rubro-venosum. Illustration horticole* **34**: tab. 33. *Described as a new species in cultivation.*
- ROEMER, J. J. & SCHULTES, J. A. 1817. [Piper in] Linné *Systema vegetabilium* **1**: 290-338. *All known species are described.*
- 1822-1824. [Piper in] Linné *Systema vegetabilium. Mantissa* **1**: 232-248. 1822. **2**: 214, 262-264. 1824, curarunt J. A. Schultes and J. H. Schultes f. *Presents a number of additions to the foregoing.*
- ROTH, A. 1919. *Untersuchungen über des kavaharz.* [Göttingen 1919]. (fide Steinmetz).
- RÖTTGER, H. 1886. *Kritische Studien über die chemischen Untersuchungsmethoden der Pfefferfrucht zum Zwecke der Beurtheilung der Reinheit:* 1-48. Dissertation. Erlangen.
- ROUSSEAU, D. 1927. Contribution à l'anatomie comparée des pipéracées. *Mém. Acad. Roy. Belg.*, ser. 2. **9**: 1-45. *Illustr.*
- ROXBURGH, Wm. 1820. [Piper in] *Flora indica* ed. Carey **1**: 153-164. *Eighteen species are described including Piper saxatile by Wallich.*
- 1832. [Piper in] *Flora indica* ed. 2. **1**: 150-162. *Identical in contents with the Carey edition.*
- RUDGE, E. 1805. [Piper in] *Plantarum guianae rariorum* **1**: 4, 10, 13. *5 tab. Five species are described and illustrated.*
- RUIZ, H. & PAVON, J. 1794. *Flora peruviana et chilensis prodromus, etc.:* 8. *1 tab. The genus Peperomia is proposed and described.*
- 1797. *Florae peruviana et chilensis prodromus sive novorum generum plantarum etc.*, ed. 2: 6.
  - 1798a. *Florae peruviana et chilensis* **1**: 29-38. *20 tab. An important early work, including descriptions and illustrations of 48 species.*
  - 1798b. *Systema vegetabilium florae peruviana et chilensis* **1**: 10-22, 351-363. *1 fig. A reduced edition of the foregoing.*
- RUMPHIUS, G. E. 1747-1750. *Herbarium Amboinense* **5**: 42-51, 335-336, 340, 342, 344-345. 1747. **6**: 133. *1 tab.* 1750. *Discusses and illustrates about a dozen species. See Merrill for an interpretation of this work.*

- RUSBY, H. H. 1931. Matico and its substitutes. *N.Y. Journ. Pharm.* **8**: 181-182.
- ST. JOHN, H. 1931. Additions to the flora of Niihau. *Bishop Mus. Occ. Papers* **9**: 3-11. *Describes and illustrates* *Peperomia candollei* as new.
- 1943. New Hawaiian species of *Peperomia*. *Bishop Mus. Occ. Papers* **17**: 171-175. 2 fig. *Peperomia dextrolaeva* and *P. haupuensis* are described as new.
- SAUVALLE, F. A. 1873. *Flora cubana*: 144. A number of species are listed including the description of *Piper mananthum* as new.
- SAWADA, KANEYOSHI. 1920. Piper betle. *Trans. Nat. Hist. Soc. Formosa* **10**: 120-121. *A general discussion in Japanese.*
- SAWADA, KOMAJIRO. 1891. Remarks on pepper. *Bot. Mag. Tokyo* **5**: 371-375. (*P. nigrum*), 403-404 (*P. longum*). *In Japanese.*
- SCHLECHTENDAL, D. F. L. 1832. [Piperaceae in] *De plantis mexicanis* A. G. Schiede M. Dre. collectis, etc. *Linnaea* **7**: 137-138. *Eleven species are listed including Peperomia schiedeana* described as new.
- SCHLECHTENDAL, D. F. L. & CHAMISSO, A. 1830-1831. [Piperaceae in] *Plantarum mexicanarum a cel. viris Schiede et Deppe collectarum*. *Linnaea* **5**: 72-77. 1830. **6**: 352-353. 1831. *Lists a number of species of which 2 species of Piper and 4 of Peperomia are described as new.*
- SCHMITZ, F. 1871. Das Fibrovasalsystem in Blütenkolben der Piperaceen: 1-30. (Thesis).
- 1872a. Die Blüten-Entwicklung der Piperaceen. *Hanstein Bot. Abhandl.* **2**: 1-74. 5 tab.
- 1872b. Der morphologische Aufbau von *Verhuellia* Miq. *Flora* **55**: 401-415, 417-424. 2 tab.
- SCHNIZLEIN, A. 1843-1870. [Piperaceae in] *Inconographia Familiarum Naturalium Regni Vegetabilis* **2**: tab. 81. *Four species are illustrated.*
- SCHOMBURGK, R. 1848. [Piperaceae in] *Versuch einer Fauna u. Flora, Britisch-Guiana*: 818, 926-930, 1073-1074, 1129-1130. *The nomenclature of the numerous species included is based on that of Miquel.*
- SCHOTT, H. W. 1851. Eine neue *Peperomia* aus Central-Afrika. *Bot. Zeit.* **9**: 225-226. 1 tab. *Peperomia knoblechteriana* is described and illustrated.
- SCHOUTE, J. C. 1925. On whorled phyllotaxis. II. Late binding whorls of *Peperomia*. *Rec. Trav. Bot. Néerlandais.* **22**: 122-172. 8 fig.
- SCHRANK, R. von. 1824. Botanische Beobachtungen. *Flora* **7**: II. Beibl. 10. *Piper langsdorfii* is described as new.
- SCHROEDER, L. J. 1926. Data of certain American Piperaceae. *Candollea* **3**: 121-140. *Gives the type collection and locality for a number of species included in De Candolle's Clavis without these data and not furnished subsequently by Briquet. Also, more fully describes a number of the Clavis species.*
- SCHÜBEL, K. 1924. Chemistry and pharmacology of kawa-kawa (*Piper methysticum*). *Journ. Soc. Chem. Ind.* **43**: 38, p. 766B. (fide Steinmetz).

- SCHUMACHER, F. C. & THONNING. 1827. *Piper* in *Beskrivelse af Guineiske Planter, etc.*: 19. *Piper guineense* is described as new.
- SCHUMANN, K. & LAUTERBACH, K. 1901-1905. [Piperaceae in] *Die Flora der Deutschen Schutzgebiete in der Südsee*: 254-263. 1901. *Nachtrage*: 237-240. 1905. Includes 38 species of which 19 species from Samoa, New Guinea, Bismark Archipelago, and Sumatra are described as new.
- SCHÜRHOFF, P. 1908. Ozellen und Lichtkondensoren bei einigen Peperomien. *Beih. Bot. Centralbl.* **23**: 14-26. 2 tab.
- SCHWARTZ, O. 1931. [Piperaceae in] Irmacher, *Beiträge zur Kenntniss der Flora von Borneo*. Includes 11 species of which 4 species of *Piper* and 2 of *Peperomia* are described as new.
- 1961. Note on the nomenclature of *Piper magnificum*. *Baileya* **9**: 100. Gives evidence that this is the correct name for this species.
- SEEMANN, B. 1868. [Piperaceae in] *Flora Vitiensis* 259-262. 1 tab. One species of *Peperomia* and 4 of *Piper*, including *Piper macgillivrayi* and *P. insectifugum* described as new by de Candolle, are included, together with a key to the *Pipers*.
- SETCHELL, W. A. 1926. [Piperaceae in] Tahitian spermatophytes collected by Setchell, Setchell & Parks. *Univ. Calif. Publ. Bot.* **12**: 163-167. 6 tab. A number of species, including 4 new varieties, are included.
- SHARMA, A. K. & BHATTACHARYYA, N. K. 1959. Chromosome studies on two genera of the family Piperaceae. *Genetica* **29**: 256-289, 4 tab. 91 fig.
- SIMS, J. 1817. *Piper acuminatum*. *Bot. Mag.* **44**: tab. 1882. A new South American and West Indian species.
- SKOTTSBERG, C. 1936-1944. Vascular plants from the Hawaiian Islands. II. *Acta Horti Gotob.* **10**: 103-106. 1936. IV. Phanerogams collected during the Hawaiian bog survey. 1938. *Acta Horti Gotob.* **15**: 344-347. 1944. Lists of species together with collection data. Identifications by T. G. Yuncker.
- 1947a. The genus *Peperomia* in Chile. *Acta Horti Gotob.* **17**: 1-47. 76 fig. A detailed and well illustrated discussion.
- 1947b. *Peperomia berteriana* Miq. and *P. tristanensis* Christoph., an interesting case of disjunction. *Acta Horti Gotob.* **16**: 251-288. 130 fig. A detailed discussion including anatomical features.
- SLOAN, H. 1696. [Piperaceae in] *Catalogus plantarum Insulae Jamaicae*: 44-45. Seven species of *Piper* are described.
- 1707. [Piperaceae in] *Natural history of Jamaica* **1**: 134-137. 2 tab. Six species of *Piper* are described.
- SMALL, J. K. 1920. [Piperaceae in] Britton and Millspaugh, *The Bahama flora*: 101. *Peperomia spathulifolia* is described as new.
- 1921. *Peperomia cumulicola*. *Journ. N. Y. Bot. Gard.* **22**: 197. 1 tab. Described as new from Florida.
- 1926. An additional species of *Peperomia* from Florida. *Torreya* **26**: 100-110. *Peperomia floridana* is described as new.

- SMALL, J. K. (*suite*). 1931. The wild pepper-plants of Continental United States. *Journ. N. Y. Bot. Gard.* **32**: 210-223. 5 fig. *Discusses 5 species of Peperomia found in southern Florida.*
- 1933a. [Piperaceae in] *Manual of the southeastern flora*: 400-402. 2 fig. *The genus Rhynchophorum is described as new to include 3 species of Peperomia in Florida.*
- 1933b. *Rhynchophorum spathulifolium*. *Addisonia* **18**: 9-10. 1 tab.
- SMITH, A. C. 1942. [Piperaceae in] *Fijian plant studies. II. Sargentia* **1**: 10-11. *Piper degeneri and P. timothianum are described as new.*
- 1943. Notes on the Pacific species of *Piper*. *Journ. Arn. Arb.* **24**: 347-361. *Key to the Fijian species, together with discussion on distribution, etc.*
- 1950. [Piperaceae in] *New and noteworthy plants from Fiji. Journ. Arn. Arb.* **31**: 148. *Three infrequent species are discussed.*
- SMITH, J. D. 1895-1905. [Piperaceae in] *Enumeratio plantarum Guatemalensium*. **4**: 131-137. 1895. **5**: 73-76. 1899. **6**: 47-59. 1903. **7**: 28-30. 1905. *A large number of species are listed, identified for the most part by de Candolle.*
- SMITH, H. H. & SMITH, G. W. 1893. [Piperaceae in] *Flora of St. Vincent and adjacent islets. Kew Bull.*: 272-273. *Lists 24 species.*
- SODIRO, L. 1900. [Piperaceae in] *Contribuciones al conocimiento de la flora ecuatoriana*: 1-196. 21 tab. *Monographic. Includes a number of species described as new.*
- 1905. [Piper, in] *Sertula florae ecuadorensis. Ann. Univ. Quito Ecuador* **19**: 191-204. (Also distributed as a reprint without indication of source).
- SOLEREDER, H. 1889. Über den systematischen Wert der Secretzellen bei den Piperaceen. *Bot. Jahrb.* **10**: 509-511.
- SOUKUP, J. 1962. Las Piperaceas del Peru, sus generos y lista de especies. *Biota* **4**: 59-73. *Lists 356 species and varieties, the majority of which were described by Trelease.*
- SPRENGEL, K. 1820-1822. [Piperaceae in] *Neue Entdeckungen im ganzen Umfang der Pflanzenkunde*. **1**: 255-256. 1820. **2**: 100-101. 1821. **3**: 90-92. 1822. *Ottonia anisum from Brazil and Piper blattarum from the West Indies are described as new.*
- 1825-1827. [Piperaceae in] *Linnaea, Systema vegetabilium*, ed. 16. **1**: 107-122. 1825. **4**: *Cur. Post.*: 20-21. 1827. *Describes 229 species.*
- STANDLEY, P. C. 1920. [Piper in] *Trees and shrubs of Mexico. Contr. U. S. Nat. Herb.* **23**: 145-156. *Gives keys and brief descriptions for 59 species.*
- 1940. *Studies of American plants, XI. Publ. Field Mus. Bot.* **22**: 135-137. *Piper canaense, P. cuasianum, and P. terryae from Panama are described as new.*
- STANDLEY, P. C. & WILLIAMS, L. O. 1950. *Plantae Centrali-Americanae, I. Ceiba* **1**: 142-143. *Piper clivicola from Honduras and P. segoviarum from Nicaragua are described as new.*

- STANDLEY, P. C. & STEYERMARK, J. A. 1952. [Piperaceae in] *Flora of Guatemala. Fieldiana* **24**: 228-337. Gives keys, descriptions, and synonymy for 158 species, 63 of which are described as new.
- STEHLE, H. 1936-1938. [Piperaceae in] Notes sur la répartition et l'écologie de dicotylédones nouvelles ou rares de la Guadeloupe et dépendances. II. *Bull. Soc. Bot. France* **83**: 626-628. 1936. **84**: 1-5. 1937. **85**: 575-579. 1938. (See also *Trelease*). Includes the descriptions of new species and varieties.
- 1940a. Piperaceae novae guadelupenses et martinicensis. *Candollea* **8**: 72-82. Includes descriptions of new species by *Trelease* and *Stehle*.
- 1940b. Les Pipérales des Antilles françaises. *Bull. Agr. Martinique* **9**: 77-221. 11 tab. 4 fig. Gives a historical resume of authorities, general discussion of the family, geographic affinities of the species, ecology, etc. Also gives keys and descriptions for the species including a number considered new.
- 1946. Piperaceae novae ex insulis Caribaeis et Discipiper, genus novum. *Candollea* **10**: 281-291. Describes, with *Trelease*, a number of new species and varieties, and the new genus *Discipiper*.
- 1956a. Extension à l'aire du genre *Discipiper* Trel. & *Stehle*, dans l'Archipel caraïbe. *Bull. Soc. Bot. France* **103**: 477-479.
- 1956b. Pipéracées nouvelles ou rares de l'île anglaise de la Dominique (Petites Antilles) et contribution à la connaissance botanique de la Réserve Caraïbe. *Bull. Soc. Bot. France* **103**: 614-619.
- STEINMETZ, E. F. 1960. *Piper methysticum*: 1-46. 20 fig. [Amsterdam]. Published by the author. Discusses the plant and structure and harvesting of the root for the preparation of the beverage kava.
- STOKES, J. 1812. [Piper in] *Botanical materia medica*. **1**: 77-84. Includes and briefly discusses 15 species.
- 1830. [Piper in] *Botanical commentaries* **1**: 172-179. Describes 17 species in cultivation and from *Jamaïca*.
- SWARTZ, O. 1788. [Piper in] *Nova genera & species plantarum seu prodromus, etc.*: 15-16. Describes 17 species from *Jamaïca* and the West Indies.
- 1791. [Piper in] *Observationes botanicae, etc.*: 19-23. Describes 10 species from the West Indies.
- 1794. [Piper in] *Icones plantarum incognitarum quas in India Occidentali*. **1**: 6. 2 tab. *Piper hispidulum* and *P. filiforme* are described as new.
- 1797. *Florae Indiae Occidentalis, etc.* **1**: 52-74. The *Jamaïcan* species are described, including *Piper scabrum* as new.
- THEVENON, A. 1852. *Essai sur la famille des pipéracées et particulièrement sur l'emploi en médecine de quelques plantes de cette famille*: 1-49. Strasbourg.
- THOMPSON, J. V. 1808. An account of some new species of *Piper*, with a few cursory observations on the genus. *Trans. Linn. Soc. Bot.* **9**: 200-203. tab. 1. Describes *Piper quadrangulare* and *P. bracteatum* from the West Indies as new.
- THWAITES, G. H. K. 1864. [Piperaceae in] *Enumeratio plantarum zeylanicae*: 292-293, 428. Includes 14 species, including *Muldera diandra* described as new.

- TIEGHEM, P. van. 1908. Sur les canaux à mucilage des Pipérées. *Ann. Sci. Nat. Bot.* IX. 7: 117-127.
- TITCOMB, MARGARET. 1948. Kava in Hawaii. *Journ. Polynes. Soc.* 57: 105-171. 9 tab. *An extensive and comprehensive discussion of the use of Piper methysticum.*
- TRELEASE, W. 1921. North American pipers of the section Ottonia. *Am. Journ. Bot.* 8: 212-217. 4 tab. *Gives keys and descriptions for 12 species, 8 of which are new.*
- 1922. The peltate peperomias of North America. *Bot. Gaz.* 73: 133-147. 4 tab. *Gives keys and descriptions for 33 species, of which 10 are new.*
- 1923. [Piperaceae in] Standley, New species of plants from Salvador. *Journ. Wash. Acad.* 13: 366-367. *Six species are described as new.*
1924. [Piperaceae in] Britton, Studies of West Indian plants. XII. *Bull. Torrey Bot. Club* 51: 2-5. *Peperomia leoclemerocana from Cuba, and Piper maravalanum, and P. aripoense from Trinidad are described as new.*
- 1925. [Piperaceae in] Standley, New plants from Central America. *Journ. Wash. Acad.* 15: 458. *Piper valerioi is described as new from Costa Rica.*
- 1926a. Some puzzling pepper leaves. *Proc. Am. Philos. Soc.* 65: 64-67. 4 fig.
- 1926b. Piperaceae cubenses. *Repert. Spec. Nov.* 23: 1-31. *Includes 93 species, of which 46 are described as new. Keys are provided.*
- 1926c. [Piperaceae in] Britton, Studies of West Indian plants. XIII. *Bull. Torrey Bot. Club* 53: 459, 467. *Peperomia roigana is described as new from Cuba and Piper maraccasense from Trinidad.*
- 1927a. Note sur le Piper reticulosum. *Bull. Soc. Bot. France* 64: 458-460. *Discusses the taxonomic position of this species.*
- 1927b. Les Pipéracées de l'herbier Lamarck. *Bull. Soc. Bot. France* 64: 592-602. 1 fig. *Presents a resume and discusses the collections in the Paris museum.*
- 1927c. The Piperaceae of Panama. *Contr. U. S. Nat. Herb.* 26: 15-50. *Presents 139 species together with keys, of which 61 are described as new.*
- 1927d. Piperaceae hispaniolenses. *Repert. Spec. Nov.* 23: 303-333. *Presents 91 species together with keys, of which 37 species are described as new.*
- 1927e. [Piperaceae in] Rusby, Descriptions of new genera and species of plants collected on the Mulford Biological Exploration of the Amazon Valley, 1921-1922. *Mem. N. Y. Bot. Gard.* 7: 222-228. *Eighteen species are described as new from Bolivia.*
- 1928a. Trianaepiper, a new genus of Piperaceae. *Proc. Am. Philos. Soc.* 67: 47-50. 1 fig. *A new generic segregate from the genus Piper. A key is given to the 4 included species.*
- 1928b. Two additional species of Trianaepiper. *Proc. Am. Philos. Soc.* 67: 335-338. 2 fig. *T. killipi and T. santa-rozanum from Colombia are described as new.*
- 1928c. New Piperaceae from South America and Mexico. *Journ. Wash. Acad.* 16: 204-207. *Eleven species are described as new.*

- 1928d. Piperaceae hispaniolenses, II. *Repert. Spec. Nov.* **24**: 360-363. *Eight species are described as new.*
- 1928e. Piperaceae hispaniolenses, III. *Repert. Spec. Nov.* **25**: 54-55. *Peperomia percrassicaulis, P. propugnaculi, P. quadrivii, and P. scopulorum are described as new.*
- 1928f. Some nondescript pipers from New Guinea. *Journ. Arnold Arb.* **9**: 146-150. *Includes descriptions of 12 new species.*
- 1928g. New species of *Peperomia* from Bolivia. *Bull. Torrey Bot. Club* **55**: 169-170. *Describes 5 new species.*
- 1929a. Piperaceae hispaniolenses, IV. *Repert. Spec. Nov.* **26**: 341-342. *Five species are described as new.*
- 1929b. New Piperaceae from Central America and Mexico. *Journ. Wash. Acad.* **19**: 327-337. *Describes 31 new species as new.*
- 1929c. The Piperaceae of Costa Rica. *Contr. U. S. Nat. Herb.* **26**: 115-226. *Presents 430 species together with keys, of which a large number are described as new.*
- 1929d. Lindeniopiper, a generic segregate from *Piper*. *Proc. Am. Philos. Soc.* **68**: 53-54. *L. lindenii from Mexico represents the type.*
- 1929e. [Piperaceae in] Ekman, Plants observed on Tortue Island, Haïti. *Ark. Bot.* **22**: 19-20. *Ten species are listed.*
- 1930a. The geography of American peppers. *Proc. Am. Philos. Soc.* **69**: 309-327. *Includes Arctotonia as a new generic segregate from Piper.*
- 1930b. Not *Piper angustifolium* Lamarck: not *Piper elongatum* Vahl. *Bull. Torrey Bot. Club* **56**: 535-538. *Discusses the taxonomic status of these two species.*
- 1930c. [Piperaceae in] Standley, Studies of American plants. *Publ. Field Mus. Bot.* **8**: 5. *Peperomia achoteana and P. siguatepequensis are described as new from Honduras.*
- 1931a. [Piperaceae in] Johnston, The flora of the Revillagigedo Islands. *Proc. Calif. Acad.* **20**: 56-58. *Peperomia chrysolepida and P. socorronis are described as new.*
- 1931b. [Piperaceae in] Standley, Flora of Lancetilla Valley, Honduras. *Publ. Field Mus. Bot.* **10**: 156-161. *A rather large number of species are briefly described, several as new.*
- 1931c. Piperaceae hispaniolenses, V. *Repert. Spec. Nov.* **29**: 24-30. *Describes 19 species as new.*
- 1931d. [Piperaceae in] Botanical results of the Tyler-Duida Expedition. *Bull. Torrey Bot. Club* **58**: 353-356. *Seven species are described as new.*
- 1933a. [Piperaceae in] Standley, The flora of Barro Colorado Island, Panama. *Contr. Arnold Arb.* **5**: 53-55. *Lists 31 species as occurring on the island.*
- 1933b. A new piper from British Guiana. *Bull. Torrey Bot. Club* **60**: 477. *Piper grahami.*

- TRELEASE, W. (*suite*). 1934a. [Piperaceae in] Cufodontis, Risultati della Spedizione Biologica Austriaca in Costa Rica nel 1930. *Archiv. Bot. Forli* **10** : 25-27, 235-274. *Five species and one variety are described as new.*
- 1934b. New amplifications of the North American Piperaceae. *Proc. Am. Philos. Soc.* **73** : 327-330. 2 tab. *Arctotonia pittieri and the genera Pleiostachyopiper and Anderssoniopiper are described as new.*
- 1934c. New Piperaceae collected by the Oxford Expedition, 1929. *Kew Bull.* : 338-339. *Piper moraballianum and P. wachenheimii are described as new.*
- 1935. The pedicellate peppers of South America. *Proc. Am. Philos. Soc.* **75** : 691-716. *Provides keys to 62 species of which 38 are described as new.*
- 1936a. [Piperaceae in] Standley, Studies of American plants, II. *Publ. Field Mus. Bot.* **11** : 147-148. *Piper san-juanum and P. tepezontesense are described as new from Salvador.*
- 1936b. [Piperaceae in] Standley & Record, The forest and flora of British Honduras. *Publ. Field Mus. Bot.* **12** : 101-104, 405-409. *Lists 10 species of Peperomia and gives a key and brief descriptions for 15 species of Piper. Two species of Arctotonia, 3 of Peperomia, and 10 of Piper are described as new.*
- 1936c. [Piperaceae in] Macbride, Flora of Peru. *Publ. Field Mus. Bot.* **13** : 1-253. *Monographic. All of the known species of Peru are described and keyed, a large number being described as new.*
- 1936d. [Piperaceae in] Stehle. Notes sur la répartition et l'écologie de phanérogames dicotylédones nouvelles ou rares de la Guadeloupe et dépendances. *Bull. Soc. Bot. France* **83** : 626-628. (*See also Stehle*) *Includes 12 species, of which 4 species and 4 varieties are listed as new without description.*
- 1937a. Piperaceae novae Columbiana. *Publ. Mus. Nac. Hist. Nat. Bot. Jard. Madrid Bot. Ser.* **33** : 45-51. *Sixteen species are described as new.*
- 1937b. [Piperaceae in] Woodson, Flora of Panama, I. *Ann. Missouri Bot. Gard.* **24** : 185-188. *Seven species are described as new.*
- 1937c. [Piperaceae in] Standley, Studies of American plants, VIII. *Publ. Field Mus. Bot.* **17** : 230-234. *Fourteen species of Piper from Guatemala are described as new.*
- 1937-38. [Piperaceae in] Standley, Flora of Costa Rica. *Publ. Field Mus. Bot.* **18** : 306-370, 1543-1548. *Numerous species are described as new.*
- 1938a. [Piperaceae in] Yuncker, A contribution to the flora of Honduras. *Publ. Field Mus. Bot.* **17** : 330-355. *Numerous species are described as new.*
- 1938b. [Piperaceae in] Woodson & Seibert, Flora of Panama, II. *Ann. Missouri Bot. Gard.* **25** : 825-828. *Six species are described as new.*
- 1939. Piperaceae uruguayenses. *Revista Sudam. Bot.* **6** : 65-68. 1 tab. *Lists 8 species with key and describes 5 species of Peperomia as new.*
- 1939-44. [Piperaceae in] Moldenke, The flora of extra-tropical South America. *Lilloa* **5** : 356-357. 1939. **6** : 295. 1941. **10** : 392-393. 1944. *Several species from Argentina are described as new.*

- 1940a. [Piperaceae in] Yuncker, Flora of the Aguan Valley and the coastal regions near La Ceiba, Honduras. *Publ. Field Mus. Bot.* **9**: 274-281. 1 fig. *Several species are described as new.*
  - 1940b. [Piperaceae in] Woodson & Schery, Flora of Panama, IV. *Ann. Missouri Bot. Gard.* **40**: 287-307. *Several species are described as new.*
  - 1940c. [Piperaceae in] Standley, Studies of American plants IX. *Publ. Field Mus. Bot.* **22**: 8-12. *Numerous species are described as new.*
  - 1940d. *Sarcobachis sydowii* Trel. nov. spec. aus Ekuador. *Repert. Spec. Nov.* **48**: 16.
  - 1940e. [Piper in] Fosberg, Melanesian vascular plants. *Lloydia* **3**: 111. *P. fosbergii* is described as new.
  - 1940f. Cinco especies de Piper de Colombia. *Caldasia* **1**: 85-87. *Five species from Colombia are described as new. Also published in pamphlet by H. Daniel.*
  - 1941a. [Piperaceae in] Plantae Iserniana, III. *Ciencia, Mexico* **2**: 206-208. *Thirteen species are described as new from South America.*
  - 1941b. [Piperaceae in] Woodson, Contribution toward a flora of Panama. *Ann. Missouri Bot. Gard.* **28**: 409-426. *Peperomia scheryi* and *Piper fagopyricarpum* are described as new.
  - 1942a. [Piper in] Alberto, Apuntes sobre la flora de Antioquia. *Publ. Collegio de San José, Medellin* **53-70**: 18. *Six species are listed as new without descriptions.*
  - 1942b. [Piperaceae in] Williams, *Exploraciones botánicas en la Guyana Venezolana*: 174-178. *Contains a number of species, several of which are considered new with very brief or no descriptions.*
- TRELEASE, W. & YUNCKER, T. G. 1950. *The Piperaceae of Northern South America*. Univ. Illinois Press Publ. 2 vol. 838 pp. 674 fig. *Monographic. Presents all of the species known from the Guianas, Venezuela, Colombia, and Ecuador, together with keys and synonymy, many of which are described as new.*
- TREW, C. J. 1773. [Piper in] *Plantae selectae* 3 tab. *Three species are illustrated.*
- TRIMEN, H. 1895. [Piperaceae in] *Hand-book to the flora of Ceylon*: 423-432. *Gives descriptions and keys for 14 species.*
- TRUE, R. H. 1896. Kava-kava (*Piper methysticum*). *Pharm. Rev.* **14**: 28-32.
- TURRILL, W. B. 1960. *Peperomia caperata*. *Curtis's Bot. Mag.* **173**: pl. 367 and text. *Colored plate and discussion of this popular ornamental species.*
- URBAN, I. 1899. *Species novae, praesertim portoricenses*. *Symb. Antill.* **1**: 292-293. *Peperomia cogniauxii, P. portoricensis, and P. velutina are described as new.*
- 1903. [Piperaceae in] *Flora portoricensis*. *Symb. Antill.* **4**: 184-192. *Lists 31 species, including Peperomia robustior as new.*
  - 1914. *Sertum antillanum, I*. *Repert. Spec. Nov.* **13**: 444. *Piper samanense is described as new from Santo Domingo.*
  - 1918. *Sertum antillanum, V*. *Repert. Spec. Nov.* **15**: 156. *Piper oviedoii is described as new from Santo Domingo.*

- URBAN, I. (*suite*). 1919a. Sertum antillanum, VII. *Repert. Spec. Nov.* **15**: 398-399. *Piper constanzanum* is described as new from Santo Domingo.
- 1919b. Sertum antillanum, IX. *Repert. Spec. Nov.* **16**: 132. *Piper buchii* is described as new from Haïti.
- 1922. [Piperaceae in] *Plantae haitienses*. *Arkiv Bot.* **17**: 21-24. *Piper campostachys*, *P. sulcinerve*, and *Peperomia brachypoda* are described as new.
- USTERI, A. 1906. [Piperaceae in] Contribuição para o conhecimento da flora dos arredores da cidade de São Paulo. *Ann. Esc. Polyt. São Paulo* **6**: 97. Four species are listed, including *Piper subcinereum* C.DC. as a new species without description.
- 1907. Deux nouvelles pipéracées de l'herbier de l'école polytechnique de São Paulo. *Ann. Esc. Polytech. São Paulo* **7**: 297-298. *Piper subcinereum*, *P. nudispicum*.
- 1911. [Piperaceae in] *Flora der Umgebung der Stadt São Paulo in Brasilien*: 174-175. A key is given for 8 species and *Piper subcinereum* is described as new.
- VAHL, M. 1793. [Piper in] West, *Bidrag Ste-Croix*: 268. Includes 7 species, of which *Piper tenuiflorum* and *P. dilatatum* are described as new.
- 1796-98. [Piper in] *Eclogae americanae, etc.* **1**: 3-5. 1796. **2**:3. 1798. 4 tab. Eight species are described.
- 1804. [Piper in] *Enumeratio plantarum* **1**: 312-356. Describes 136 species.
- VAN HEURCK, H. & MUELLER, J. 1870. [Piperaceae novae in] Van Heurck, *Observationes botanicae et descriptiones plantarum novarum herbarii Van Heurckiani*: 118-123. *Piper accrescens*, *P. pallidum*, and *P. subpedicellatum* from India are described as new.
- VEEN, A. G. van. 1938a. On the isolation of the soporific substance from Kava or Wati. *Proc. Kon. Ned. Akadem. Wet.* **41**: 855-858. (fide Steinmetz).
- 1938b. Over de bedwelmende stof uit de Kawa-kawa or wati plant. *Geneesk. Tijdschr. Nederl.-Ind.* **78**: 1941-1953. (fide Steinmetz).
- 1939. Isolation and constitution of the narcotic substance from Kawa-Kawa. *Rec. Trav. Chem. Pays-Bas.* **58**: 521-527.
- VELEZ, I. & VAN OVERBECK, J. 1950. *Plantas indeseables en los cultivos tropicales*: 84-88. *Peperomia pellucida*, *Piper aduncum*, and *Pothomorphe peltata* are described (in Spanish) and illustrated with excellent photographs.
- VELLOZO, J. M. 1790. [Piper in] *Florae fluminensis, etc.* **1**: 25-27. 12 tab. Reprints in 1827 and 1881. An important early work on the Brazilian flora.
- 1798. *Memorias e extractos sobre pipereira negra* (*Piper nigrum* L.): 1-40. 1 tab. Lisboa.
- 1825. [Piper in] *Florae fluminensis, etc.* **1**: 25-27. The Atlas containing 12 plates of Piperaceae species was published in 1835 ("1827"), and the entire work reprinted in *Arch. Mus. Nac. Rio de Janeiro* **5**. 1881.
- WALLICH, N. 1830. [Piper ribesioides in] *Plantae asiaticae rariores, etc.* **1**: 79. 1 tab. Described as new from Burma.

- WALPERS, W. G. 1848-49. [Piperaceae in] *Annales botanices systematicae* **1**: 595-613. *Presents the taxonomic arrangement of the family together with full descriptions of the species.*
- WANGERIN, A. 1903. Chemische Untersuchung des langen Pfeffers. *Pharm. Zeit.*: 453.
- 1904. Über Piperaceen-Drogen. *Zeitschr. Naturw.* **76**: 315-352.
- WARBURG, O. 1891. [Piperaceae in] Beiträge zur Kenntnis der papuanischen Flora. *Bot. Jahrb.* **13**: 283-285. *Includes 8 species of Piper, of which Piper pendulum, P. novoguinese, and P. quinquenervium are described as new.*
- 1898. [Piperaceae in] Reinecke, Die Flora der Samoa-Inseln, II. *Bot. Jahrb.* **25**: 609-613. *Includes 6 species. Piper graeffei and Peperomia samoensis are described as new.*
- WATSON, S. 1887-1891. Contributions to American botany. *Proc. Am. Acad.* **22**: 448-449. 1887. **24**: 145-146. 1891. *Peperomia jaliscana, P. gracillima, and Piper jaliscanum from Mexico are described as new.*
- WAWRA, H. 1862. [Peperomia in] Wawra & Maly, Neue Pflanzenarten. *Bot. Zeitschr.* **12**: 239-241. *Two varieties of P. pernambucensis and P. flexicaulis are described as new from Brazil.*
- 1866. [Piperaceae in] Botanische Ergebnisse der Reise Sr. Majestät des Kaisers von Mexico Maximilian I. nach Brasilien: 131-139. 4 tab. *Includes 22 species, 5 varieties and 1 species of Peperomia being described as new.*
- 1875. [Peperomia in] Beiträge zur Flora der Hawai'schen Inseln. *Flora* **58**: 226-232. *Includes 7 species. Peperomia mauiensis and P. hesperomannii are described as new.*
- 1888. [Piperaceae in] Itinera Principum S. Coburgi **2**: 60-64. *Describes 10 species from Brazil and 1 from Ceylon.*
- WEDEL, G. F. 1705. *De Cubebis*: 1-39. (Fide Pritzel).
- WEISS, J. E. 1876. Wachstumsverhältnisse and Gefässbündelverlauf der Piperaceen. *Flora* **59**: 321-328, 337-344, 353-362, 385-391, 401-410. 2 tab.
- WIGHT, R. 1853. [Piperaceae in] *Icones plantarum Indiae Orientalis: or Figures of Indian plants.* **6**: 1-5. 24 tab. *Describes and illustrates 26 species.*
- WIKSTROM, J. E. 1828. Öfversigt af Ön Guadeloupe's Flora. *Vet. Akad. Handl. Stockholm*: 56-57. *Piper emarginellum is described.*
- 1829. *Adnotationes botanicae quas reliquit Olavus Swartz* **2**: *Piper emarginellum is described.*
- WILDEMANN, E. de. 1901. Notes sur le Piper guineense Schum. & Thonn. *Revue Cult. Colon.* **5**: 132-134.
- 1906. [Piperaceae in] *Mission Emile Laurent 1903-04.* **1**: 229-230. *Includes 2 species, Piper laurentii from tropical Africa being described as new.*
- 1920. Decades specierum novarum florum congolensis. *Rev. Zool. Afr.* **8**: suppl. bot.: 5-11. *Five species of Peperomia and 1 of Piper from the Belgian Congo are described as new.*

- WILDEMANN, E. de (*suite*). 1931. Sur les poivres indigènes du Congo. Notes préliminaires. *Bull. Inst. Roy. Colon. Belge.* **2**: 346-354.
- WILLDENOW, K. L. 1809. [Piper in] *Enumeratio plantarum horti regii botanici Berolinensis, etc.*: 46-48. *Twelve American species are described.*
- WILSON, C. W. 1948. Growing Christmas peperomias. *Horticulture* **26**: 142.
- WINKLER, H. 1908. [Piperaceae in] Neue Kameruner Phanerogamen aus verschiedenen Familien. *Bot. Jahrb.* **41**: 275-276. *Peperomia hoelscheri is described as new.*
- WRIGHT, C. 1870. [Piperaceae in] Sauvalle, Revision Cat. Griseb. *Ann. Acad. Cienc. Habana* **7**: 159-160. *A number of species are listed, including Piper mananthum from Cuba described as new.*
- YAMADA, K. 1924. On two species of Piper from Koshun, Taiwan. *Trans. Nat. Hist. Soc. Formosa* **13**: 115-116. *Brief discussion in Japanese.*
- YAMAMOTO, Y. 1926. [Piperaceae in] *Supplementa oconum plantarum formosanarum* **2**: 8-9. *1 fig. Peperomia kotoensis is described as new.*
- 1932. [Piper kotoense in] *Observationes ad floram Formosanum IV.* *Journ. Soc. Trop. Agric. Taiwan* **4**: 304. *Described as new.*
- YOSHIDA, O. 1960. Embryologische Studien über Ordnung Piperales, IV. Embryologie von Piper Futokazura Sieb. & Zucc. *Journ. Coll. Arts & Sci. Chiba Univ.* **3**: 155-162.
- YUNCKER, T. G. 1933. Revision of the Hawaiian species of Peperomia. *Bishop Mus. Bull.* **112**: 1-133. *38 fig. Descriptions, synonymy, keys, and illustrations are provided for all known species.*
- 1936. [Peperomia in] Smith, Fijian plant studies. *Bishop Mus. Bull.* **141**: 25-48. *13 fig. Descriptions and keys are provided, including 7 species described as new.*
- 1937a. Revision of the Polynesian species of Peperomia. *Bishop Mus. Bull.* **143**: 1-73. *35 fig. Descriptions, synonymy, keys, and illustrations are given for 38 species of which 14 species and as many varieties are described as new.*
- 1937b. Observations on the teratology of the genus Peperomia. *Bishop Mus. Occ. Papers* **13**: 5-9. *2 fig.*
- 1937c. Three additional species of Peperomia in Hawaii. *Bishop Mus. Occ. Papers* **13**: 161-165. *2 fig. P. pololuana and P. kalihiana are described as new, and P. pellucida is reported for the first time in the islands.*
- 1938. Revision of the Micronesian species of Peperomia. *Bishop Mus. Occ. Papers* **14**: 7-25. *9 fig. Descriptions, synonymy, keys, and illustrations are given for 13 species. P. trukensis is described as new.*
- 1941. Kava, its preparation and use. *Proc. Indiana Acad. Sci.* **50**: 69-71. *1 fig. Popular description.*
- 1943a. [Piperaceae in] Yuncker, The flora of Niue Island. *Bishop Mus. Bull.* **178**: 44-45. *Two species of Piper and 1 of Peperomia are described. Peperomia pallida var. niueana is described as new.*

- 1943b. New Fijian peperomias. *Bishop Mus. Occ. Papers* **17**: 215-220. 3 fig. Includes 8 species. *P. nandarivatensis*, *P. nandalana* and *P. nodosa* are described as new.
- 1945. [Piperaceae in] Yuncker, Plants of the Manua Islands. *Bishop Mus. Bull.* **184**: 34-35. Three species and 3 varieties are included.
- 1946. The genus *Peperomia* in the Galapagos Islands. *Bishop Mus. Occ. Papers* **18**: 225-234. 4 fig. Descriptions, synonymy, figures, and key are provided for 4 species.
- 1948. [Piperaceae in] Maguire & al., Guiana plants. *Bull. Torrey Bot. Club* **75**: 286-292. Describes 26 species, of which 5 are new.
- 1949a. New species of Hawaiian peperomias. *Bishop Mus. Occ. Papers* **19**: 257-260. 2 fig. Three species are included, of which *P. waipioana* and *P. cranwelliae* are described as new.
- 1949b. [Piperaceae in] Johnston, I. M., The botany of San José Island (Gulf of Mexico). *Sargentia* **8**: 108-110. 1949. Two species of *Peperomia* and 8 species of *Piper* are described together with a key to the species of *Piper*.
- 1949c. Additional notes on the Fijian species of *Peperomia*. *Journ. Arnold Arb.* **30**: 443-449. Includes a key to all known Fijian species. *Peperomia viti-levuensis*, *P. parhamii*, and *P. naitasiriensis* are described as new.
- 1950a. The Cuban species of *Peperomia*. *Revista Soc. Cub. Bot.* **6**, 1: 5-33. **6**, 2-3: 20-54. **6**, 4: 9-34. 47 fig. (Also as separate with continuous pagination), Descriptions, synonymy, keys, and illustrations are given for all known species.
- 1950b. [Piperaceae in] Woodson & Schery, Flora of Panama. *Ann. Missouri Bot. Gard.* **37**: 1-120. 23 fig. Descriptions, synonymy and keys are given for all known species, of which 22 species and a number of varieties are described as new.
- 1951. [Piperaceae in] Steyermark, Botanical exploration in Venezuela, I. *Fieldiana Bot.* **28**: 204-209. Eight new species and 1 new variety are described.
- 1952. New species of Peruvian and Colombian Piperaceae. *Am. Journ. Bot.* **39**: 633-636. 6 fig. Five species and 2 varieties are described as new.
- 1953a. New South American species of Piperaceae. *Caldasia* **6**: 19-42. 14 fig. Thirteen new species are described.
- 1953b. The Piperaceae of Trinidad and Tobago. *Lilloa* **26**: 239-278. Descriptions, synonymy, and keys are given for all known species.
- 1953c. The Piperaceae of Argentina, Bolivia and Chile. *Lilloa* **27**: 97-303. 165 tab. Descriptions, synonymy, keys, and illustrations are given for all known species, including a number described as new.
- 1954. A new ornamental *Peperomia* from Venezuela. *Brittonia* **8**: 62-63. 1 fig. *P. ornata* is described as new.
- 1955a. [Piperaceae in] Plants collected in Ecuador by W. H. Camp. *Mem. N. Y. Bot. Gard.* **9**: 147-169. Includes the descriptions of 20 species considered new.

- YUNCKER, T. G. (*suite*). 1955b. The status of the genus *Anderssonioper* Trelease. *Bull. Torrey Bot. Club* **82**: 355-356. *The genus is reduced under Piper.*
- 1956a. South American Piperaceae: New species and nomenclatural notes on two previously published taxa. *Am. Journ. Bot.* **43**: 161-168. *13 fig. Sixteen species are described as new.*
  - 1956b. Additions to the Fijian species of *Peperomia*. *Bull. Torrey Bot. Club* **83**: 300-304. *Peperomia falcata, P. disticha, P. namosiana, and P. purpurinodis are described and illustrated as new.*
  - 1956c. [Piperaceae in] Angely, *Catalogo e estatística dos gêneros botânicos fanerogâmicos* **14**. *Lists the genera which have been included in the family.*
  - 1957a. [Piperaceae in] Steyermark, Contributions to the flora of Venezuela, IV. *Fieldiana Bot.* **28**: 881-885. *Lists 32 species.*
  - 1957b. [Piperaceae in] Maguire & al., The botany of the Guyana Highland, II. *Mem. N. Y. Bot. Gard.* **9**: 321-325. *Seven species are described as new.*
  - 1957c. [Piperaceae in] Maguire & al., Botany of the Chimanta Massif, I. *Mem. N. Y. Bot. Gard.* **9**: 422-424. *Piper deminutum, P. chimantanum, Peperomia chimantana, and P. wurdackii are described as new.*
  - 1957d. A new *Peperomia*, collected by the Suriname Expedition 1948-1949. *Acta Bot. Néerl.* **6**: 393-394. *P. lanjouwii is described as new.*
  - 1957e. New species in *Peperomia*. *Kew Bull.*: 421-422. *Peperomia caperata and P. griseo-argentea, cultivated ornamental species are described.*
  - 1957f. New taxa of South American Piperaceae. *Bot. Tidskr.* **51**: 529-544. *Twenty-one species are described as new.*
  - 1957g. [Piperaceae in] Pulle, Flora of Suriname. **1**: 218-290. *Descriptions, synonymy, and keys are provided for all known species.*
  - 1957h. [Piperaceae in] Cowan, New species and new records of plants in Guiana. *Brittonia* **8**: 233-236. *Six species are described as new.*
  - 1958a. Two recently described peperomias. *Baileya* **6**: 184-187. *2 fig. Describes and discusses P. caperata and P. griseo-argentea.*
  - 1958b. Una especie nueva de piper de Venezuela. *Acta Biol. Venezuelica* **2**: 319-322. *2 fig. P. aristeguietae is described as new.*
  - 1958c. The Piperaceae — A family profile. *Brittonia* **10**: 1-7. *General.*
  - 1959a. *Piper bicolor*: A new name for *Piper (Artanthe) magnificum*. *Baileya* **7**: 129-130. *1 fig. Discusses the nomenclature.*
  - 1959b. [Piperaceae in] Yuncker, Plants of Tonga. *Bishop Mus. Bull.* **220**: 93-95. *Five species and 2 varieties are included.*
  - 1959c. Four new species of Piperaceae from Ecuador. *Svensk. Bot. Tidskr.* **53**: 45-48. *4 tab. Piper venulosissimum, P. lineatipilosum, Peperomia muralis, and P. erikii are described.*
  - 1959d. Piperaceae of Micronesia. *Bishop Mus. Occ. Papers* **22**: 83-108. *1 fig. Descriptions, synonymy, and keys are given for all known species, including Peperomia glassmanii as new.*

- 1960. The Piperaceae of Jamaica. *Bull. Inst. Jamaica Sci.* **11**: 1-56. *Descriptions, synonymy, and keys are given for all known species. Peperomia jamaicana and P. proctorii are described as new.*
  - 1961a. New taxa of Peruvian Piperaceae. *Brittonia* **13**: 58-63. 8 fig. *Five species and 3 varieties are described as new.*
  - 1961b. Una especie nueva de Peperomia. *Bol. Soc. Venez. Ci. Nat.* **22**: 277-278. 1 tab. *Peperomia meridana is described as new.*
  - 1961c. [Piperales in] Gray, Encyclopedia of the biological sciences: 776-777. *General.*
  - 1962. Nomenclatural notes on Piperaceae. *Brittonia* **14**: 188-190. *Includes Piper cowanii, P. chumboense, and P. amalago var. medium as new combinations.*
  - 1962a. Nomenclatural notes on Piperaceae. *Brittonia* **14**: 188-190. *The pantropic Peperomia reflexa (L.f.) A. Dietr. is reduced to synonymy under P. tetraphylla (Forst.) H. & A. and Piper medium Jacq. of Central and South America is reduced to varietal status under P. amalago L.*
  - 1962b. Una especie nueva de Piper (Piperaceae) de Venezuela. *Bol. Soc. Venez. Ci. Nat.* **23**: 101-102. 1 tab. *Piper agostinii.*
  - 1962c. Eight new species of Piperaceae from Ecuador, *Arkiv Bot.* **4**: 407-411 8 tab.
  - 1962d. [Piperaceae in] Steyermark & Nilsson, Botanical novelties in the region of Sierra de Lema, Estado Bolivar, I. *Bol. Soc. Venez. Ci. Nat.* **23**: 64-70. 3 tab. *Peperomia nilssonii, Piper lemaense, and P. subcrassifolium are described as new.*
  - 1962e. [Piperaceae in] Steyermark, Notes on the flora of Parque Nacional de Guatopo, I. *Bol. Soc. Venez. Ci. Nat.* **23**: 84-88. 2 tab. *Piper patulipilum and P. guatopoense are described as new.*
  - 1962f. [Piperaceae in] Steyermark, Botanical novelties from upper Rio Paragua Edo. Bolivar, Venezuela, I. *Bol. Soc. Venez. Ci. Nat.* **23**: 89-91. 1 tab. *Piper perlongispicum is described as new.*
- YUNCKER, T. G. & GRAY, W. D. 1934. Anatomy of Hawaiian peperomias. *Bishop Mus. Occ. Papers* **10**: 1-19. 60 fig. *The gross anatomy of the leaves and stems of a number of species is described.*

#### GEOGRAPHIC SYSTEMATIC INDEX

ABYSSINIA: Richard 1851.

AFRICA: Baker & Wright 1913; Candolle 1866, 1892a, 1895a, 1899, 1911e, 1914c, 1920b; Engler 1899, 1902, 1910; Hooker 1864; Marloth 1913; Peter 1932; Rendle 1908; Schott 1851; Wildemann 1906, 1920; Winkler 1908.

AMBOINA (Netherlands East Indies): Merrill 1917; Rumphius 1747-50.

ARGENTINA: Candolle 1898a, 1916b; Burkart 1945, 1951; Trelease 1939-44; Yuncker 1953c.

- AUSTRALIA : Candolle 1898b; Domin 1910, 1921-29; Forster 1786; Miquel 1853a, 1868; Mueller 1866, 1891.
- BAHAMAS : Small 1920.
- BELGIUM CONGO : Balle 1942.
- BERMUDA : Britton 1918; Brown 1909.
- BISMARCK ARCHIPELAGO : Candolle 1922.
- BOLIVIA : Candolle 1866, 1892b, 1894c, 1898a, 1898e, 1911b, 1914e, 1915a; Hill 1907; Trelease 1927e 1928g; Yuncker 1953c.
- BORNEO : Brown 1882; Candolle 1866, 1913c, 1914a, 1917c, 1920i; Hallier 1896; Miquel 1863; Schwartz 1931.
- BRAZIL : Candolle 1866, 1872a, 1898a, 1901a, 1901b, 1901c, 1906b, 1906-09, 1907a, 1909b, 1915b, 1920e; Delessert 1837; Fischer & Meyer 1837; Gardner 1842; Gaudichaud & Guillemain 1837; Henschen 1873; Hooker 1866, 1867; Lemaire 1869; Link & Otto 1820; Martius 1837, 1843; Miquel 1847, 1871, 1952-1953; Moricaud 1840; Nees von Esenbeck 1820; Nees von Esenbeck & Martius 1823; Presl 1849; Regel 1858, 1859; Rizzini 1952; Sprengel 1822; Trelease 1940c; Usteri 1906, 1911; Vellozo 1790; Wawra 1862, 1866, 1888.
- BRITISH GUIANA : Candolle 1866; Klotzsch 1842; Meyer 1818; Schomburgk 1848; Trelease 1933b; Trelease & Yuncker 1950.
- BRITISH HONDURAS : Hemsley 1882; Lundell 1934; Trelease 1934c, 1936b.
- BRITISH WEST INDIES : Grisebach 1864.
- BURMA : Candolle 1866, 1914d; Wallich 1830.
- CAMEROONS (Africa) : Candolle 1895a, 1920c; Engler 1899, 1910, 1911; Winkler 1908.
- CAROLINE ISLANDS : Hooker 1864; Hosokawa 1935-42.
- CELEBES : Candolle 1920j; Miquel 1846, 1863.
- CENTRAL AMERICA : Candolle 1898b, 1901a, 1902a, 1920c; Dahlstedt 1900; Hemsley 1882; Hill 1907; Smith 1895-05; Standley 1940c; Standley & Williams 1950; Trelease 1929b, 1930c, 1936b.
- CEYLON : Thwaites 1864; Trimen 1895; Wawra 1888.
- CHILE : Candolle 1866; Frisebach 1854; Opiz 1830; Philippi 1859-60, 1860; Skottsberg 1947a; Yuncker 1953c.
- CHINA : Candolle 1898b, 1904, 1914c; Dunn 1909; Forbes & Hemsley 1891; Groff 1932; Lévillé 1911; Loureiro 1790; Merrill 1922.
- CHRISTMAS ISLAND : Rendle 1900.
- COLOMBIA : Arbelaez 1947; Bentham 1844-48; Candolle 1866, 1889, 1890c, 1897b, 1898b, 1908b, 1913b, 1920f; Cuatrecasas 1946; Exell 1928; Garcia 1896; Hooker 1882; Trelease 1928b, 1937a, 1940f, 1942a; Trelease & Yuncker 1950; Yuncker 1952.
- COMORO ISLANDS : Candolle 1866, 1895a, 1898b, 1899, 1911c.
- CONGO : Wildemann 1920.

- COSTA RICA: Candolle 1866, 1889, 1890a, 1891, 1897a; Cufodontis 1934; Echeverria 1949; Hemsley 1882; Hill 1907; Kuntze 1891; Trelease 1925, 1929c, 1934a, 1937-38.
- CUBA: Alain 1960; Baker 1907; Britton 1920; Candolle 1866, 1898b, 1907c, 1912c; Grisebach 1861, 1866; Leon & Alain 1948; Richard 1850; Sauvalle 1873; Trelease 1924, 1926b, 1926c; Wright 1870; Yuncker 1950a.
- DOMINICA (W.I.): Stehle 1956a & b.
- EAST INDIES: Blume 1826; Brown 1884b; Candolle 1912a; Miquel 1848, 1854a, 1859, 1860, 1863.
- ECUADOR: Bentham 1844-48; Candolle 1866, 1889, 1890c, 1898c, 1908b 1920g; Diels 1937, 1938; Espinosa 1949; Linden & André 1872; Opiz 1830; Presl 1849; Rogel 1858; Sodiro 1900, 1905; Trelease 1940d; Trelease & Yuncker 1950; Yuncker 1955a, 1959c.
- FERNANDO PO: Candolle 1866, 1914c; Hooker 1864.
- FIJI: Bentham 1843, Candolle 1909a; Parham 1938; Seemann 1868; Smith 1942, 1943, 1950; Yuncker 1936a, 1943b, 1949c, 1956b.
- FLORES (Sunda Islands): Candolle 1914j.
- FLORIDA: Chapman 1883; Nuttall 1822; Small 1921, 1926, 1931, 1933a.
- FORMOSA (Taiwan): Candolle 1920d; Hatusima 1935; Hayata 1908, 1911; Matsu-mura & Hayata 1906; Yamada 1924; Yamamoto 1926, 1930.
- FRENCH GUIANA: Aublet 1775; Candolle 1866, 1898b, 1907c; Jacquin 1764; Lemee 1955; Trelease & Yuncker 1950.
- FRENCH WEST INDIES: Duss 1897; Stehle 1937-38, 1940a, 1940b, 1946, 1956a, 1956b; Trelease 1936d.
- GABON (Africa): Candolle 1914c.
- GALAPAGOS ISLANDS: Andersson 1855; Candolle 1911a; Hooker 1897; Wikstrom 1828; Yuncker 1946.
- GADELOUPE: Candolle 1866, 1897b, 1898b; Duss 1897; Stehle 1937-38, 1940a, 1956b; Trelease 1936d; Wikstrom 1828.
- GUAM: Candolle 1914g; Opiz 1830,
- GUATEMALA: Baker 1873; Bertoloni 1890; Candolle 1889, 1894a, 1894b, 1898b, 1902a; Hemsley 1882; Hill 1907; Kunth 1847; Miquel 1847; Smith 1895-05; Standley & Steyermark 1952; Trelease 1936b, 1937c, 1940c.
- GUIANA: Bailey 1928.
- GUINEA (Africa): Afzelio 1813-17; Candolle 1914c; Schumacher & Thonning 1827.
- HAITI: Candolle 1907c; Trelease 1929c; Urban 1919b, 1922.
- HAWAII: Candolle 1866, 1898b, 1912d, 1913a; Degener 1930, 1932; Hooker & Arnott 1841; Lévillé 1911; St. John 1931, 1943; Skottsberg 1936-44; Wawra 1875; Yuncker 1933, 1937b, 1949a.
- HISPANIOLA: Trelease 1927d, 1928d, 1928e, 1929a, 1931c.
- HONDURAS: Candolle 1866, 1898b; Hamsley 1882; Smith 1895-05; Trelease 1930c, 1931b, 1938a, 1940a.

- HONGKONG : Bentham 1861.
- INDIA : Candolle 1866, 1914d; Gamble 1924; Hooker 1886; Lévillé 1911; Miquel 1846; Rheedé tot Draakestein 1688; Roxburgh 1820, 1832; Sprengel 1820-22; Van Heurck & Mueller 1870; Wight 1853.
- INDOCHINA : Candolle 1898b, 1910d.
- JAMAICA : Aiton 1789; Browne 1756; Candolle 1889, 1907c, 1912c; Fawcett & Rendle 1912, 1914; Haworth 1812, 1821; Hitchcock 1893; Miquel 1853; Proctor 1959; Sloan 1696, 1707; Stokes 1830; Swartz 1788, 1794, 1797; Yuncker 1960.
- JAPAN : Makino 1887, 1901, 1933, 1955; Nakai 1922; Ohwi 1953.
- JAVA : Blume 1823, 1827a; Candolle 1911c, 1912d, 1920h; Koorders 1909, 1912; Koorders & Schumacher 1911; Miquel 1847a, 1853b, 1863.
- JUAN FERNÁNDEZ : Candolle 1914h; Hooker 1837.
- KAI ISLANDS (Netherlands East Indies) : Candolle 1918.
- LOMBOK (Sunda Islands) : Candolle 1912a.
- MADAGASCAR : Baillon 1885; Baker 1882, 1884, 1886, 1887, 1890; Candolle 1866, 1895a, 1898b, 1911d; Miquel 1847a; Ridley 1895.
- MALACCA (Malay Peninsula) : Candolle 1866; Griffith 1854; Ridley 1895.
- MALAY ARCHIPELAGO : Miquel 1847a; Sprengel 1820-22.
- MALAY PENINSULA : Candolle 1866, 1912c, 1912j; Griffith 1854; Ridley 1920b, 1924, 1924-25.
- MANUA ISLANDS (Samoa) : Yuncker 1945.
- MARGARITA ISLAND (Venezuela) : Candolle 1905a.
- MARTINIQUE (W.I.) : Candolle 1898b; Candolle, van Heurck & Mueller 1870; Duss 1897; Jacquin 1764; Stehle 1940a, 1940b.
- MAURITIUS : Baker 1877; Bojer 1837.
- MARIANNA ISLANDS : Hosokawa 1935-42; Opiz 1830.
- MELANESIA : Trelease 1940e.
- MEXICO : Baker 1869; Candolle 1866, 1895b, 1898b, 1901a, 1914c, 1920k; Hemsley 1882; Hill 1906, 1907; Hooker 1841; Hooker & Arnott 1841; Lundell 1941; Martens & Galeotti 1843; Millspaugh 1896, 1900; Miquel 1843, 1847a; Opiz 1830; Schlechtendal 1832; Schlechtendal & Chamisso 1830-31; Standley 1920; Trelease 1928a, 1929b, 1929d, 1931a, 1940c; Watson 1887-91; Wawra 1866.
- MICRONESIA : Kanehira 1935; Yuncker 1938, 1959d.
- MOLUCCAS ISLANDS (Netherlands East Indies) : Sprengel 1820-22.
- NATAL : Candolle 1898a.
- NETHERLANDS EAST INDIES : Boerlage 1900; Candolle 1912a.
- NETHERLANDS NEW GUINEA : Candolle 1917f; Ridley 1916.
- NEW CALEDONIA : Candolle 1866, 1906a, 1916c, 1917c, 1920l; Moore 1921.
- NEW GUINEA : Bentham 1843; Candolle 1866, 1898b, 1910-14, 1910c, 1919; Moore 1923; Schumann & Lauterbach 1901-05; Trelease 1928f; Warburg 1891.

- NEW HEBRIDES: Candolle 1908a.  
NEW IRELAND (New Guinea): Candolle 1866.  
NEW ZEALAND: Colenso 1895; Forster 1786; Laing & Blackwell 1907; Richard 1834.  
NICARAGUA: Candolle 1900; Hemsley 1882.  
NIUE ISLAND: Yuncker 1943a.  
NORFOLK ISLAND: Endlicher 1833.  
NOSSI-BÉ: Engler 1911.  
NYASALAND: Candolle 1895a; 1920b.  
PANAMA: Buerling 1856; Candolle 1866, 1889, 1920a; Hemsley 1882; Miquel 1854; Opiz 1830; Trelease 1927c, 1933a, 1937b, 1938b, 1940b, 1940c, 1940d, 1941b; Yuncker 1950b.  
PARAGUAY: Candolle 1892, 1893, 1903, 1907, 1914f; Parodi 1878.  
PERU: Candolle 1890c, 1898b, 1906b, 1908b, 1920f; Linden & Rodigas 1892; Miquel 1847a; Opiz 1830; Presl 1849; Ruiz & Pavon 1798a, 1798b; Trelease 1936c; Yuncker 1952, 1961a.  
PHILIPPINES: Blanco 1837-77; Candolle 1866, 1905b, 1905c, 1910a, 1910b, 1914b, 1916a; Merrill 1920, 1923; Miquel 1847a; Opiz 1830; Quizumbing 1930.  
POLYNESIA: Candolle 1921; Drake del Castillo 1893; Yuncker 1937a.  
PONDOLAND (Africa): Candolle 1895a.  
PORTO RICO: Candolle 1898b; Britton & Wilson 1924-30; Sprengel 1920-22; Urban 1899, 1903; Velez & Overbeck 1950.  
PRINCE OF WALES ISLAND (Australia): Hunter 1809.  
QUEENSLAND: Domin 1910, 1921-29.  
REUNION ISLAND: Candolle 1866.  
REVILLAGIGEDO ISLAND (Mexico): Trelease 1931a.  
RHODESIA: Engler 1910.  
RODRIGUEZ ISLAND: Balfour 1877, 1879.  
STE CROIX ISLAND (W.I.): Candolle 1866; Eggers 1876; Sprengel 1820-22; Vahl 1793.  
ST. KITTS ISLAND (W.I.): Britton 1902; Candolle 1907c.  
ST. THOMAS ISLAND (W. Africa): Candolle 1866, 1892a.  
ST. VINCENT ISLAND (W.I.): Hooker 1827; Smith & Smith 1893; Thompson 1808.  
SABA ISLAND (W.I.): Candolle 1912c.  
SALVADOR (C.A.): Trelease 1923, 1936a, 1940c.  
SAMOA: Candolle 1910c, 1912e; Lauterbach 1908; Warburg 1898.  
SAN JOSE ISLAND (Mexico): Yuncker 1949b.  
SANTO DOMINGO: Candolle 1866, 1898b, 1912c; Urban 1914, 1918, 1919.  
SEYCHELLES: Baker 1877.  
SIAM (Thailand): Ridley 1920a.  
SIERRA LEONE: Candolle 1866.

- SIKKIM (India): Candolle 1866; L veill  1911.
- SOCIETY ISLANDS: Candolle 1898b; Forster 1786; Hooker & Arnott 1841.
- SOEMBA (Sunda Islands): Candolle 1914j.
- SOUTH AMERICA: Candolle 1882, 1897b, 1898b, 1914c; Dahlstedt 1900; Kunth 1815, 1822, 1839; Link 1820, 1821; Miquel 1849; Presl 1849; Ruiz & Pavon 1798a, 1798b; Trelease 1928c, 1935; Trelease & Yuncker 1950; Vahl 1797-98; Yuncker 1953a, 1953c, 1956a.
- SUMATRA: Candolle 1920i; Miquel 1860; Ridley 1917, 1923.
- SURINAM: Candolle 1866, 1915b; Miquel 1843, 1844, 1849; Pulle 1906; Trelease & Yuncker 1950; Yuncker 1957d, 1957g.
- TAHITI: Candolle 1898b; Setchell 1926.
- TANGANYIKA: Peter 1932.
- TOBAGO: Yuncker 1953b.
- TOGOLAND: Candolle 1899.
- TONGA: Yuncker 1959b.
- TONKIN: Candolle 1898b.
- TRANSVAAL: Candolle 1895a, 1898b.
- TRAVANCORE (India): Candolle 1914d.
- TRINIDAD: Candolle 1912c; Trelease 1924, 1926c; Yuncker 1953b.
- TRISTAN DA CUNHA: Christophersen 1944.
- URUGUAY: Candolle 1898b; Herter 1952; Trelease 1939.
- USAMBARA (Africa): Candolle 1895a; Engler 1910.
- VENEZUELA: Bartling 1863; Candolle 1866, 1898b, 1898d, 1905a; Pittier 1945; Trelease 1940c, 1942b; Trelease & Yuncker 1950; Yuncker 1951, 1954, 1957a, 1958b, 1961b.
- VIRGIN ISLANDS (W.I.): Britton & Wilson 1924-30.
- WEST INDIES: Britton & Wilson 1924-30; Candolle 1866, 1882, 1898b, 1902b, 1907c, 1912b, 1917e; Du Mont de Courset 1811; Grisebach 1864; Hamilton 1825; Haworth 1812, 1819; Jacquin 1786-90, 1793; Kunth 1840; Plumier 1693; Sprengel 1820-22; Stehle 1937-38, 1940a, 1940b, 1946, 1956a; Swartz 1788, 1791, 1749, 1797; Thompson 1808; Trelease 1924, 1926c; Urban 1903; Vahl 1796-98.
- YUCATAN: Millspaugh 1896, 1900.
- GENERAL: Bentham & Hooker 1880; Buek 1874; Candolle 1866, 1869, 1872b, 1898b, 1914d, 1923; A. Dietrich 1831; D. Dietrich 1839; Du Mont de Courset 1811; Engler 1894; Hill 1824; Kunth 1840; Lamarck 1791; Miller 1768; Miquel 1839, 1843-44, 1845, 1847a, 1846a; Opiz 1830; Persoon 1805; Poiret 1804, 1816; Roemer & Schultes 1817, 1822-24; Sprengel 1825-27; Walpers 1848-49; Vahl 1804.