

SUPPLEMENTARY NOTES ON AMERICAN MENISPERMACEAE XV

NEOTROPICAL TRICLISIEAE AND ANOMOSPERMEAE

B. A. Krukoff

Consulting Botanist of Merck Sharp & Dohme Research Laboratories, Rahway, N.J., and Honorary Curator of New York Botanical Garden.

Since the latest paper of this series (Supplement XIV) was published 68 new collections were examined, adding to our knowledge of several species: Extension of ranges were noted from 8 but no new species were described. The new record of genus Caryomene from French Guiana and collections of Sciadotenia eichleriana and S. pubistaminea are of particular interest.

I. Chondrodendron Ruiz & Pavón, Syst. Veg.  
261. 1798.

1. Chondrodendron tomentosum Ruiz & Pavón, Syst. Veg.  
261. 1798.

Peru: San Martín: Mariscal Cáceres, Timothy Plowman  
7560; Amazonas: Río Genepa, A. Kuiikat 228 (MO).

This is the first record of this species from Amazonas.

2. Chondrodendron platiphyllum (A. de St. Hilaire) Miers,  
Ann. Mag. Nat. Hist. III. 19: 122. 1867.

Brazil: Rio de Janeiro: J. Almeida 1264 (RB),  
G. Martinelli 2816 (RB), D. Sucre 5113 (RB), 8994 (RB).

3. Chondrodendron microphyllum (Eichler) Moldenke in  
Krukoff & Moldenke, Brittonia 3: 11 1938.

Brazil: Bahia: S. A. Mori 10840, 9366 (mun. Ibica-  
rai), 9825 (mun. Santa Cruz de Cabrália), 10284 (mun. Al-  
madina), Luiz Emygdio de Mello Filho 2935 (R), Harley  
17880 (coastal zone).

II. Curarea Barneby & Krukoff, Mem. N.Y. Bot.  
Gard. 22(2): 7. 1971.

1. Curarea toxicifera (Weddell) Barneby & Krukoff, Mem.  
N.Y. Bot. Gard. 22(2): 9. 1971.

Panama: Darien; near ridgetop of Pierre Chain, 600-1100 m, J. P. Folsom 6357. Peru: Amazonas: Rio Genepa, 200-250 m, Ernesto Ancuash 1219, A. Kujikat 107 (MO).

This is the first record of the species from Darien.

Schunke 4605 was correctly annotated and cited in two card files as Curarea toxicofera but thru a typographical error cited as Sciadotenia toxifera in Suppl. #9 (Phytologia 25: 35. 1972) and in Exsiccatae (Phytologia 33: 340. 1976).

2. Curarea candicans (L. C. Richard) Barneby & Krukoff, Mem. N.Y. Bot. Gard. 22(2): 12. 1971.

Surinam: Lely Mts: J. C. Lindeman 805.

III. Sciadotenia Miers, Ann. Nat. Hist. II, 7: 43. 1851.

1. Sciadotenia cayennensis Bentham, Jour. Linn. Soc. Bot. 5 (Suppl. #2): 51. 1861.

Surinam: 850 m, A. G. H. Daniels 1109 (U).

2. Sciadotenia toxifera Krukoff & A. C. Smith, Bull. Torrey Club 66: 308. 1939.

Peru: San Martín, Mariscal Cáceres, Timothy Plowman 7537.

6. Sciadotenia eichleriana Moldenke in Krukoff & Moldenke, Brittonia 3: 28. 1938.

Brazil: Amazonas: Manaus - Caracarái Road, G. T. France 24241.

This the first record of the species from the upper Rio Negro.

7. Sciadotenia sprucei Diels in Engler, Pflanzenreich 4 (94): 84. 1910.

Venezuela: Terr. Fed. Amazonas, 4 km, east of San Carlos de Rio Negro, Ronald Liesner 3645.

12. Sciadotenia amazonica Eichler, Flora 47: 395. 1864 and in Martius, Fl. Bras. 13(1): 201, tab 47, fig 3. 1864.

Peru: Loreto: Maynas, Iquitos, Christopher Davidson 5273.

13. Sciadotenia duckei Moldenke in Krukoff & Moldenke, Brittonia 3: 30. 1938.

Brazil: Amazonas: W. Rodrigues 9703 (INPA) (Manaus), L. Duarte 216 (Est. Biol. Walter Egler).

16. Sciadotenia pubistaminea (K. Schumann) Diels in Engler, Pflanzenreich 4(94): 85. 1910.

Brazil: Bahia: L. A. Mattos Silva 187.

This is the fifth collection of this species. It is known from the States of Bahia and Minas Gerais; its fruits are not yet known.

- V. Telitoxicum Moldenke in Krukoff & Moldenke, Brittonia 3: 42. 1938.

1. Telitoxicum minutiflorum (Diels) Moldenke in Krukoff & Moldenke, Brittonia 3: 49. 1938.

Brazil: Amazonas: basin of Rio Negro, M. R. Santos 104 (MG).

2. Telitoxicum duckei (Diels) Moldenke in Krukoff & Moldenke, Brittonia 3: 47. 1938.

French Guiana: J. Lenormand s.n. (U).

This is the first record of the species from French Guiana.

3. Telitoxicum krukovii Moldenke in Krukoff & Moldenke, Brittonia 3: 44. 1938.

Surinam: Coppename River: Nature Reserve Raleigh Falls, N. M. Heyde 609 (U).

This is the first record of the species from Surinam.

- VI. Abuta Barrère ex Aublet, Pl. Guian. 1: 618. Pl. 250. 1775.

1. Abuta rufescens Aublet, Hist. Pl. Guian. 1. 618. Pl. 250. 1775.

Brazil: Para: Serra dos Carajas, M. G. Silva 2932 (MG); Amazonas: Manaus - Itacoatiara road, Adair R. de Oliveira s.n. (23/06-1976). Peru: San Martin: Mariscal Caceres, Timothy Plowman 7474; Loreto: Maynas, A. Gentry 21742.

4. Abuta grisebachii Triana & Planchon, Ann. Sci. Nat. IV, 17: 47. 1862.

Brazil: Amazonas: Manaus - Itacoatiara road, J. Aluisio de Sousa s.n. (15/7-1976) (INPA).

9. Abuta pahni (Martius) Krukoff & Barneby, Mem. N.Y. Bot. Gard. 22(2): 43. 1971.

Peru: San Martín: Mariscal Cáceres, Timothy Plowman 7473.

Prance 18681 was correctly annotated in MG as A. pahni in 1976 but the card was misplaced and thru error it was cited as A. grisebachii in Suppl. #14 (Phytologia 39: 245. 1978) and in Exsiccatae. This specimen is important as it is the first record of the species from Mato Grosso.

13. Abuta imene (Martius) Eichler, Flora 47: 389. 1864.

Prance 17487 was cited thru error as Abuta solimae-sensis in Suppl. #11 (Phytologia 33: 332. 1976) and in Exsiccatae. It is Abuta imene.

14. Abuta seloana Eichler, Flora 47: 389. 1864.

Brazil: Rio de Janeiro: Herbarium Jard. Bot. Rio 148542 (RB); Parana: mun. Cerro Azul, G. Hatschbach 40218.

16. Abuta solimoesensis Krukoff & Barneby, Mem. N.Y. Bot. Gard. 20(2): 18. 1970.

Peru: San Martín: Mariscal Cáceres, Timothy Plowman 7549.

17. Abuta velutina Gleason, Bull. Torrey Club 58: 361. 1931.

Brazil: Amazonas: Manaus, Reserve Forestal Ducke, Herbarium Inpa 72817.

21. Abuta sandwithiana Krukoff & Barneby, Mem. N.Y. Bot. Gard. 20(2): 18. 1970.

Brazil: Amazonas: Lago Miua, Roberto F. Melo 223 (MG).

26. Abuta chiapasensis Krukoff & Barneby, Mem. N.Y. Bot. Gard. 20(2): 23. 1970.

Guatemala: San Pedro, Elias Contreras 9512 (MEXI).

This is the first record of this species from Guatemala.

27. Abuta grandifolia (Martius) Sandwith, Kew Bull. 1937: 397. 1937.

Surinam: N. M. Heyde 139 (U), 193 (U), 244 (U) (area of Kabalebo Dam project) also N. M. Heyde 651 (U) (National Reserve Raleigh Falls). Para: J. M. Pires 16091 (MG); Amazonas: basin of Rio Negro, A. B. Anderson 233 (INPA), M. R. Santos 64 (MG), C. D. A. Mota s.n. (13/07-1976) (INPA); Mato Grosso: R. Sousa 10426 (UB); Rondonia: W. R. Anderson 12200 and 12295 (Rio Pacaas Novos), Herbarium Jard. Bot. Rio 184063 (RB). Peru: Loreto: Maynas, Al. Gentry 21887, 21985. Ecuador: Napo: Rio Suno, + 400 m, L. Holm-Nielson 847 (AAU).

VII. Caryomene Barneby & Krukoff, Mem. N.Y. Bot. Gard. 22(2): 52. 1971.

3. Caryomene olivascens Barneby & Krukoff, Mem. N.Y. Bot. Gard. 22(2): 57. 1971.

French Guiana: Cayenne: Saul, Fournet 25.

This is the first record of genus Caryomene for French Guiana.

VIII. Anomospermum Miers, Ann. Nat. Hist. III, 14: 101. 1864.

4a. Anomospermum chloranthum Diels ssp. chloranthum, Mem. N.Y. Bot. Gard. 22(2): 68. 1971.

Peru: Loreto: Maynas, Al. Gentry 20846.

4c. Anomospermum chloranthum Diels ssp. isthmicola Krukoff & Barneby Mem. N.Y. Bot. Gard. 22(2): 70. 1971.

Panama: Panama: from Torti to the Pilota del Toro, J. P. Folsom 5062 (MO), 6789.

5a. Anomospermum reticulatum (Martius) Eichler ssp. reticulatum, Mem. N.Y. Bot. Gard. 22(2): 73. 1971.

Brazil: Para: basin of Rio Tocantins, M. G. Silva 3609 (MG); Amazonas: basin of Rio Negro, M. R. Santos 30 (MG);

Mato Grosso: Rio Juruena, M. G. Silva 3333 (MG).

This is the first record of the species from Mato Grosso.

IX. Orthomene Barneby & Krukoff, Mem. N.Y. Bot. Gard. 22(2): 79. 1971.

1. Orthomene schomburgkii (Miers) Barneby & Krukoff, Mem. N.Y. Bot. Gard. 22(2): 80. 1971.

Surinam: N. M. Heyde 725. Brazil: Rondônia: Rio Guaporé, Ilha das Flores, Herbarium Jard. Bot. Rio 184062 (RB); Bahia: mun. Camaca, T. S. dos Santos 3317. Colombia: Antioquia: Rio Anori,  $\pm$  400-700 m, W. S. Anderson 34. Peru: Loreto: Requena, Al. Gentry 21280.

This is the first record of the species from the province of Antioquia, Colombia and from the State of Rondônia, Brazil.

List of Exsiccatae

The first list of Exsiccatae covering papers on Menispermaceae including Supplement VIII was published in Mem. N.Y. Bot. Gard. 22: 1-89. 1911, the second list covering Supplements IX, X, and XI in Phytologia 33: 337-340. 1976, the third covering Supplements XII and XIII in Phytologia 39: 292-293. 1978, and the fourth list covering Supplement XIV in Phytologia 41: 254-255. 1979. The present list covers Supplement XV. The number in parenthesis corresponds with the species - number of this and other papers (Supplements XIII to XV). Only numbered collections and those of which the dates of collection are recorded have been listed. If a collector gathered his collection together with others, only his name is cited in this list. Collections with Dr. Prance's numbers are cited under Prance.

Almeida, J., 1264 (CH2).

Ancuash, Ernesto, 1219 (CU1).

Alverson, W. S., 34 (O1).

Anderson, A. B., 233 (A27).

Anderson, William R., 12200 (A27), 12295 (A27).

Contreras, Elias, 9512 (A26).

Davidson, Christopher, 5273 (S12).

Duarte, L., 216 (S13).

Folsom, J. P., 5062 (AN4C), 6357 (CU1), 6798 (AN4c).

Fournet, A., 25 (C3).

Gentry, A., 20846 (AN4a), 21742 (A1), 21280 (O1), 21887 (A27), 21985 (A27).

Harley, R. M., 17880 (CH3).

Hatschbach, G., 40218 (A14).

Herbarium Inpa, 72817 (A17).

Herbarium Jard. Bot. Rio, 148542 (A14), 184062 (O1), 184063 (A27).

Heyde, N. M., 139 (A27), 193 (A27), 244 (O1), 609 (T3), 651 (A27), 725 (O1).

Holm-Nielsen, L., 847 (A27).

Kujukat, A., 107 (CU1), 228 (CH1).

Lenormand, s.n., (T2).

Liesner, Ronald, 3645 (S7).

Lindeman, J. C., 805 (CU2).

- Martinelli, G., 2816 (CH2).  
Mattos Silva, L. A., 187 (S16).  
Mello Filho de, Luis Emilio, 2935 (CH3).  
Melo, Roberto F., 223 (A21).  
Mori, S. A., 9366 (CH3), 9825 (CH3), 10284 (CH3), 10840 (CH3).  
Mota, C. D. A., s.n. (13/07-1976) (A27).  
  
Oliveira de, Adair R., s.n. (23/06-1976) (A1).  
  
Pires, J. M., 16091 (A27).  
Plowman, Timothy, 7473 (A9), 7474 (A1), 7537 (S2), 7549 (A16),  
7560 (CH1).  
Prance, 17487 (A13), 24241 (S6).  
  
Rodrigues, W., 9703 (S13).  
  
Santos, M. R., 30 (AN5a), 64 (A27), 104 (T1).  
Santos dos, T. S., 3317 (O1).  
Silva, M. G., 2932 (A1), 3353 (AN5a), 3609 (AN5a).  
Sousa de, J. Aluisio, s.n. (15/7-1976) (A4).  
Sousa, R., 10426 (A27).  
Sucre, D., 5113 (CH2), 8994 (CH2).