

LILLOA

REVISTA DE BOTÁNICA

CONTRIBUTIONS TO THE FLORA OF EXTRA-TROPICAL SOUTH AMERICA

X

By HAROLD N. MOLDENKE

(U. S. A.)

This is the tenth in my series of *Contributions to the flora of Extra-tropical South America*, based chiefly on the Argentina material in the vast B. A. Krukoff herbarium acquired by the New York Botanical Garden. In all, 6322 specimens have thus far been reported on in this series. Explanation of the abbreviations for the names of herbaria in which the specimens are deposited will be found in the introductions to my first and several subsequent Contributions. A single new abbreviation appearing in the present Contribution for the first time is: Princeton University Herbarium, now on deposit at the New York Botanical Garden, New York City.

ACARICACEAE

(Determinations by Rolf Singer)

Copelandia Westii (Murrill) Singer — ARGENTINA: Buenos Aires: singly, not abundant, growing on dung, Junín, FCP, March 7, 1946, V. García 11 (N), det. as *Panaeolus* sp. by J. Wright.

Gymnopilus eucalyptorum (Cleland) Singer — URUGUAY: in very damp sandy soil at foot of eucalyptus trees in small

woods, Colonia Española, Campamento Y. M. C. A., near mouth of Río Los Sauces in the Río de la Plata, Dept. Colonia, April 20, 1946, J. Winitzky 9 (N), det. as *Pholiota adiposa* Fries by J. Wright.

Marasmius oreades (L.) Fries — ARGENTINA: Buenos Aires: forming fairy ring together with *Coprinus* sp. among grass on ground, in lawns, Club Universitario, Buenos Aires, March 15, 1946, D. Rabinovich 2 (N.), so det. also by J. Wright.

Oudemansiella canarii (Junghuhn) Höhnelt — ARGENTINA: Buenos Aires: in small groups of 2 or 3, scarce, amidst abundant lichens, especially *Parmelia* sp., on decayed log in woods in front of beach, in the neighborhood of Recreo « La Alameda », Punta Lara, March 19, 1946, A. M. B. de Wright 4 (N), det. as *Collybia* sp. by J. Wright.

Pleurotus ostreatus (Jacq.) Fries — ARGENTINA: Buenos Aires: in groups, not abundant, on decayed wood in shady and very damp place, inside hollow tree on the beach, in damp putrid wood (apparently *Salix* sp.), Punta Lara, March 19, 1946, J. E. Wright 5 (N), so det.

OXALIDACEAE

Oxalis compacta Gill — ARGENTINA: Río Negro, 6 Meta, November 30, 1945, Neumeyer 644 (N), determination suggested by E. J. Alexander.

NYCTAGINACEAE

(Determination by E. C. Leonard)

Mirabilis jalapa L. — ARGENTINA: Salta: rather frequent on the banks of the Chauapampa, Coronel Moldes, alt. about 1200 m, dept. La Viña, February 2, 1941, A. T. Hunziker 1191 (N).

SCROPHULARIACEAE

(Determinations in *Gerardia* and *Stemodia* by E. C. Leonard)

Gerardia communis Cham. & Schlecht. — ARGENTINA: Buenos Aires: Arroyo Gelaz, Secc. 1, Delta Paraná, February, 1938, A. T. Hunziker 844 (N).

Stemodia linearifolia (Morong) Greene. & Thomp. — ARGENTINA: Chaco: Colonia Benítez, alt. 55 m, January, 18, 1941, T. Meyer 3633 [Herb. Inst. Miguel Lillo 17290] (N).

Verbascum virgatum Stokes — ARGENTINA: Córdoba: Salsipuedes, L. Dawson 101 (N).

ACANTHACEAE

(Determinations by E. C. Leonard)

Chaetochlamys tucumanensis Lillo — ARGENTINA: Salta: Coronel Moldes, alt. about 1200 m, dept. La Viña, January 30, 1941, A. T. Hunziker 993 (N).

Dicliptera jujuyensis Lindau — ARGENTINA: Salta: La Caldera, alt. 1200 m., S. Fabala 182 [Herb. Inst. Miguel Lillo 57304] (N), flowers pink, called « uchuyuyo ».

Dicliptera scutellata Griseb. — ARGENTINA: Catamarca: El Chorro, dept. Ancasti, January 29, 1941, Rojas Paz 41 [Herb. Inst. Miguel Lillo 37334] (N).

Dicliptera Tweediana Nees — ARGENTINA: Buenos Aires: on border of dry ditch, Otamendi, part. de Campana, January 31, 1940, A. T. Hunziker 361 (N), about 90 cm tall, flowers red. Tucumán: S. Roth s. n. (N), so det. also by Lillo.

Justicia Lorentziana Lindau — ARGENTINA: Jujuy: frequent along border of highway about 6 km from Humahuaca,

dept. Humahuaca, February 7, 1941, A. T. Hunziker 1364 (N). flowers violet. Tucumán: shrubby, on slopes of hills, alt. 2800 m, Sierra del Cajón, dept. Taí, May 4, 1926, S. Venturi 4438 (N), called «alfilla».

Ruellia Lorentziana Griseb. — ARGENTINA: Catamarca: San Isidro, dept. Valle Viejo, January 14, 1941, Rojas Paz 37 [Herb. Inst. Miguel Lillo 37370] (N), flowers deep-blue.

VERBENACEAE

Aloysia scorodonioides (H. B. K.) Cham. — BOLIVIA: La Paz: alt. 10,000 feet, near La Paz, April, 1885, H. H. Rusby 920 (Pr).

Aloysia virgata (Ruiz & Pav.) A. L. Juss. — BOLIVIA: La Paz: Guanai, alt. 2000 feet, May, 1886, H. H. Rusby 1403 (Pr).

Aloysia virgata var. **elliptica** (Briq.) Moldenke — PARAGUAY: shrub 2-3 m tall, with white odorous flowers, L'Assumption, April 15, 1874, Balansa 1016 (N-photo of isotype, Z-photo of isotype).

Bouchea fluminensis (Vell.) Moldenke — BOLIVIA: El Beni: junction of the Río Beni and Madre de Dios, H. H. Rusby 915 (Pr).

Lantana foetida Rusby — BOLIVIA: La Paz: Guanai, alt. 2000 feet, May, 1886, H. H. Rusby 924 (Pr).

Lantana fucata Lindl. — BOLIVIA: La Paz: Yungas, alt. 6000 feet, 1885, H. H. Rusby 922 (Pr); Sorata, alt. 8000 feet, February, 1886, H. H. Rusby 925 (Pr).

Lantana trifolia L. — BOLIVIA: La Paz: Guanai, alt. 2000 feet, May, 1886, H. H. Rusby 921 (Pr).

Lippia alba (Mill.) N. E. Br. — BOLIVIA: El Beni: junction of the Río Beni and Madre de Dios, August, 1886, H. H. Rusby 916 (Pr).

Lippia vernonioides Cham. — BOLIVIA: El Beni: Reis, alt. 1500 feet, June, 1885, H. H. Rusby 927 (Pr, Pr).

Phyla betulaefolia (H. B. K.) Greene — BOLIVIA: El Beni: junction of the Río Beni and Madre de Dios, August, 1886, H. H. Rusby 917 (Pr).

Stachytarpheta cayennensis (L. C. Rich.) Vahl — BOLIVIA: El Beni: Unduavi, alt. 8000 feet, H. H. Rusby 914 (Pr).

Verbena hispida Ruiz & Pav. — BOLIVIA: La Paz: Sorata, alt. 8000 feet, February, 1886, H. H. Rusby 911 (Pr).

Verbena intermedia Gill. & Hook. — ARGENTINA: Córdoba: rather frequent on the shores of the Río Anizacate on the island about 10 km. from Alta Gracia, dept. Santa María, January 1, 1940, A. T. Hunziker 701 (N).

Verbena porrigens R. A. Phil. — The Skottsberg & Skottsberg 843 cited by me as this species in a previous contribution in this series is really *V. sulphurea* D. Don. I am grateful to Dr. Carl Skottsberg for calling my attention to the differences between these two species.

Verbena sulphurea D. Don — CHILE: Coquimbo: Fray Jorge, August 16, 1917, C. & I. Skottsberg 843 (Go, N), not *V. Berterii* nor *V. porrigens* as previously cited.

ERIOCAULACEAE

Leiostrix Arechavaletae Ruhl. — URUGUAY: in swampy sandy places along the seashore, Carrasco, Montevideo, Osten 6409 (N-photo, Z-photo), so det. also by Ruhland.

Syngonanthus caulescens (Poir.) Ruhl. — PARAGUAY: Villari-
ca, January, 1931, P. Jørgensen 3723 a (N), mixed with
Calpidisca sp.

CYPERACEAE

(*Uncinia* by H. O'Neill; all the remainder determined by C. Gilly)

Carex aphyllus Kunth — ARGENTINA: Río Negro: vicinity of
Lago Nahuel-Huapi, 1896, S. Roth s. n. (N).

Carex bonariensis Desf. — ARGENTINA: Buenos Aires: La
Granja, Arroyo 3°, part. de La Plata, October 22, 1939, G.
Dawson 762 (N); Estancia Bell, October 24, 1939, G. Daw-
son 777 (N). Santa Fe: north of Reconquista, Las Camelias,
January 13, 1937, A. Castellanos s. n. [Herb. Mus. Argent.
Cienc. Nat. 19420] (N), so det. also by M. Barros.

Carex Darwinii Boott — ARGENTINA: Patagonia, Herb. Mus.
de La Plata s. n. (N), so det. also by A. P. Rodrigo.

Carex riparia var. **chilensis** (Brongn.) Kükenth. — ARGENTI-
NA: Buenos Aires: Punta Lara, between Buenos Aires and
La Plata, October 26, 1930, A. L. Cabrera 1499 (N), so
det.

Carex sororia Kunth — ARGENTINA: Buenos Aires: Lobería,
February, 1918, N. Alboff & A. Scala s. n. (N).

Cyperus cayennensis (Lam.) Britton — ARGENTINA: Córdoba:
8 km from Salsipuedes, dept. Colón, March, 16, 1939, G.
Dawson 497 (N); Santa Catalina, dept. Colón, March 8
1938, (N). Corrientes: Itá-pucú, Mercedes, November,
1936, A. P. Rodrigo 780 (N). Santa Fe: Río Paraná, old
canal from Santa Fe to Colastiné, January-February, 1936,
M. M. Job 695 (N, N).

Cyperus corymbosus Rottb. — ARGENTINA: Buenos Aires: km
77 along the highway from Buenos Aires to Mar del Plata,

April 6, 1939, G. Dawson 683 (N). Santa Fe: highway from
Reconquista to Romang, January-February, 1936, M. M.
Job 1013 (N).

Cyperus diffusus Vahl — ARGENTINA: Misiones: Picada be-
tween Caja de Flores and the shore of the Paraná, Novem-
ber 29, 1896, N. Alboff s. n. (N).

Cyperus Eragrostis Lam. — ARGENTINA: Elizalde near the La
Plata, December 27, 1929, A. L. Cabrera 1269 (N), det. as
C. monandrus Roth by the collector. Buenos Aires: Gutié-
rrez F. C. S., December 16, 1939, G. Dawson 906 (N); park,
Sierra de la Ventana, January 16, 1940, A. L. Cabrera
5740 (N). Río Negro: Río Negro, January, 1916, A. C. Sea-
la 65 (N, N), det. as *C. vegetus* Willd. by C. M. Hicken.

Cyperus esculentus L. — ARGENTINA: Santa Fe: highway from
Santa Fe to Laguna Stibal o Guadalupe, January-Februa-
ry, 1936, M. M. Job 680 (N).

Cyperus ferax L. C. Rich. — ARGENTINA: Córdoba: Totoral,
dept. Totoral, March 8, 1939, G. Dawson 630 (N). Santa
Fe: Río Paraná, old canal from Santa Fe to Colastiné,
January-February, 1936, M. M. Job 715 (N).

Cyperus giganteus Vahl — ARGENTINA: Entre Ríos: Arroyo
Negro, Delta del Paraná, November 24, 1931, A. L. Cabre-
ra 1978 (N); Arroyo Las Piedras, Delta del Paraná No-
vember 25, 1932, A. L. Cabrera 2545 (N, N).

Cyperus hermaphroditus (Jacq.) Standl. — ARGENTINA: Tuc-
mán: Valley of Tafi, 1909, C. Bruch s. n. (N), det. as *C.*
rigens Presl by A. P. Rodrigo.

Cyperus imbricatus Retz — ARGENTINA: Delta, Barca Grande,
January, 1914, A. C. Scala 53 (N).

Cyperus laetus Kunth — ARGENTINA: Corrientes: inundated banks of the Paraná, 6 km north of Capital, November, 1936, A. P. Rodrigo 925 (N).

Cyperus lanceolatus Poir. — ARGENTINA: Santa Fe: Estancia Bonazzola, Lanteri, January-February, 1936, M. M. Job. 1253 (N).

Cyperus luzulae var. **entrerianus** (Böckl.) Barros — ARGENTINA: Buenos Aires: Punta Lara, February 21, 1939, G. Dawson 373 (N). Santa Fe: km 11, Santa Fe, January 5, 1936 (N), so det.; Laguna de la Gallareta, January 5, 1937, A. Castellanos s. n. [Herb. Mus. Argent. Cien. Nat. 19412] (N), so det. also by M. Barros.

Cyperus Meyenianus Kunth — ARGENTINA: Santa Fe: Río Paraná, old canal from Santa Fe to Colastiné, January-February, 1936, M. M. Job 715 (N).

Cyperus niger Ruiz & Pav. — ARGENTINA: Tucumán: El Bañado, dept. Tafi, alt. 1650 m, in a marsh, May 1, 1926, S. Venturi 4370 (N, N).

Cyperus oxylepis Nees — ARGENTINA: Santa Fe: in «asequias», vicinity of Santo Tomé, January-February, 1936, M. M. Job 1057 (N); km 11 from Santa Fe, January, 1936, Ragonese 2175 (N), so det.

Cyperus polystachyus var. **paniculatus** (Rottb.) C. B. Clarke — ARGENTINA: Buenos Aires: in woods, La Plata, part. La Plata, July 2, 1938, A. L. Cabrera 4516 (N), ruderal.

Cyperus prolixus H. B. K. — ARGENTINA: Buenos Aires: Punta Lara, part. La Plata, December, 1938, A. P. Rodrigo 2222 (N); Canal La Serna and Canal Miní, Delta del Paraná, January, 1931, A. L. Cabrera 1624 (N), so det.

Cyperus reflexus Vahl — ARGENTINA: Corrientes: vicinity of Mercedes, November, 1936, A. P. Rodrigo 679 (N).

Cyperus reflexus var. **fraternus** (Kunth) Kükenth. — ARGENTINA: Buenos Aires: Camino de Cintura, part. La Plata, March, 26, 1938, A. P. Rodrigo 1084 (N); Los Talas, vicinity of La Plata, November 5, 1932, A. L. Cabrera 2478 (N); on slopes of Cerro de la Ventana, Sierra de la Ventana, part. Tornquist, January 17, 1940, A. L. Cabrera 5774 (N); Gutiérrez F. C. S., December 16, 1939, G. Dawson 906 (N).

Cyperus rivularis Kunth — ARGENTINA: Tucumán: shore of the river, Río Tipamayo, alt. 1250 m, dept. Trancas, April 17, 1926, S. Venturi 4362 (N, N); valley of Tafi, 1908, C. Bruch s. n. (N).

Cyperus uncinulatus Schrad. — ARGENTINA: Tucumán: shore of the river, Río Tipamayo, alt. 1250 m., dept. Trancas, April 17, 1926, S. Venturi 4361 (N, N).

Eleocharis bonariensis Nees — ARGENTINA: Buenos Aires: in very wet turf along river, Isla Santiago, part. La Plata, October 20, 1935, A. L. Cabrera 3367 (N).

Eleocharis contracta Maury — ARGENTINA: Corrientes: in the vicinity of Mercedes, toward the north, November, 1936, A. P. Rodrigo 826 (N).

Eleocharis crinalis (Griseb.) C. B. Clarke — ARGENTINA: Tucumán: apparently in water, Sierra del Cajón, alt. 3000 m, dept. Tafi, May 4, 1926, S. Venturi 4371 (N, N).

Eleocharis dunensis Kükenth. — ARGENTINA: Buenos Aires: on the banks of the Río de la Plata, Isla Santiago, October 7, 1932, A. L. Cabrera 2268 (N).

Eleocharis melanostachys (d'Urv.) C. B. Clarke — ARGENTINA: Río Negro: Puerto Blest, in marshes, January 13, 1935, A. L. Cabrera & M. M. Job 263 (N).

Eleocharis montana (H. B. K.) Roem. & Schult. — ARGENTINA: Tucumán: valley of Tafí, 1908, C. Bruch s. n. (N).

Eleocharis nodulosa (Roth) Schultes — ARGENTINA: Buenos Aires: Río Chaná, January, 1914, A. C. Scala 48 (N). Corrientes: banks of the Pay-ubre Grande, Mercedes, November, 1936, A. P. Rodrigo 729 (N). Santa Fe: along the highway from Reconquista to Dr. Barros Pazos, January-February, 1936, M. M. Job. 780 (N).

Fimbristylis autumnalis var. **complanata** (Retz) Kükenth. — ARGENTINA: Tucumán: in a marsh, alt. 1650 m, El Bañado, dept. Tafí, May 2, 1926, S. Venturi 4372 (N).

Fimbristylis squarrosa Vahl — ARGENTINA: Santa Fe: Isla Mascota, Reconquista, Río Paraná, January-February, 1936, M. M. Job 938 (N).

Kyllingia pungens Link — ARGENTINA: Buenos Aires: Río Chaná, Delta, January, 1914, A. C. Scala 30 (N). Corrientes: Itá-pucú, Mercedes, November, 1936, A. P. Rodrigo 788 (N).

Scirpus americanus Pers. — ARGENTINA: Tucumán: in a marsh, alt. 1650 m, El Bañado, dept. Tafí, May 1, 1926, S. Venturi 4368 (N, N).

Scirpus inundatus Poir. — ARGENTINA: Río Negro: Puerto Blest, January 12, 1935, A. L. Cabrera & M. M. Job 300 (N).

Scirpus riparius Presl — ARGENTINA: Buenos Aires: on the shore of the Río de la Plata, Isla Santiago, May 1, 1932, A. L. Cabrera 2163 (N), so det.; in *Juncus* association, June 6, 1932, same locality, A. L. Cabrera 2493 (N). Santa Fe: from Río Amores to Florencia, dept. Gral. Obligado, Ja-

uary 9, 1937, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 19415] (N), det. as *S. californicus* (Meyen) Britton by M. Barros.

Uncinia phleoides var. **trichocarpa** (C. A. Mey.) C. B. Clarke — ARGENTINA: Río Negro: Puerto Blest, January 12, 1935, A. L. Cabrera & M. M. Job 288 (N).

POACEAE

Chusquea ramosissima Pilger — ARGENTINA: Misiones: Cerro de Sta. Ana, November 26, 1896, N. Alboff s. n. (N), called «jacuavembó».