

LILLOA

REVISTA DE BOTÁNICA

108777



CONTRIBUTIONS TO THE FLORA OF EXTRA-TROPICAL SOUTH AMERICA

XI

BY HAROLD N. MOLDENKE

(U. S. A.)

Almost eight years ago I began a series of notes on the plants of Argentina, Chile, Uruguay, Paraguay and Bolivia under the title of *Contributions to the flora of extra-tropical South America*. Nine installments of this series have been published to date and a tenth is in press. In these ten installments a total of 6322 specimens have been reported on. In the present, or eleventh installment, 1048 additional specimens are reported and numerous corrections are made of earlier reports for the benefit of South American botanists. The abbreviations used on the following pages to indicate the herbaria in which the cited specimens are deposited are as follows: Au = University of Texas, Austin, Texas; Br = Jardin Botanique de l'Etat, Brussels, Belgium; C = Columbia University Herbarium, New York Botanical Garden, New York City; Du = Dudley Herbarium, Natural History Museum, Stanford University, California; F = Chicago Natural History Museum, Chicago, Illinois; It = Cornell University, Ithaca, New York; M = Meisner Herbarium, New York Botanical Garden, New York City; N = Britton Herbarium, New York Botanical Garden, New York City; Oa = Oakes Ames Economic Herbarium, Botanical Museum of Harvard University, Cambridge, Massachusetts; Pr = Princeton University Herbarium, New York Botanical Garden, New York City; Q = Jardín Botánico, Madrid, Spain; S = Naturhistoriska Riksmuseet, Stockholm, Sweden; Si = Insti-

tuto Darwinion, San Isidro, Argentina; Ug = Museo de Historia Natural, Montevideo, Uruguay; W = United States National Herbarium, Smithsonian Institution, Washington, D. C.; and Z = H. N. Moldenke Herbarium, Watchung, New Jersey.

PODOCARPACEAE

(determinations by J. T. Buchholz & N. E. Gray)

Podocarpus salignus D. Don — CHILE: Valdivia: large tree with white wood, called «mañin», Purulon, alt. 70 m. April 1941, P. A. Hollermayer 306 (N); Linco, alt. about 120 m. December 1924, P. A. Hollermayer s. n. [E. Werdermann 353] (N), det. as *P. chilina* Rich.; Ercilla, February 1892, O. Kuntze s. n. (N, N), det. as *Nageia chilina*; called «pino», Valdivia, Philippi s. n. (M); Linco, alt. about 120 m. December 1924, P. A. Hollermayer s. n. [E. Werdermann 354] (N), det. as *P. chilina*. Province undesignated: Bridges s. n. (C), det. first as «*P. chilensis*», later changed to «*P. chilina*»; Herb. Mus. Paris. s. n. (N), det. as «*P. chilina* Lindl.»

RANUNCULACEAE

(determinations by Lyman Benson)

Ranunculus argemonifolius Griseb. or **R. praemorsus** H. B. K.— ARGENTINA: Chubut: Río Pico, Herb. Univ. Nac. Mus. de La Plata s. n. (N), det. by Rodrigo as *R. peduncularis* Sm. Tucumán: Valley of Tafí, 1908, C. Bruch s. n. (N), det. by Rodrigo as *R. argemonifolius* Griseb.; with yellow flowers, Las Pavas, alt. 3000 m, dept. Chicligasta, November 1926, Venturi 4666 (N).

Ranunculus Cymbalaria var. **saximontanus** Fern. — ARGENTINA: Jujuy: with yellow flowers, Humahuaca, alt. 2800 m, Sierra de Zenta, February 1929, Venturi 8322 (N); with yellow flowers, Volcán, alt. 2500 m, Tumbaya, February 1928, Venturi 10264 (N). Neuquén: in the moun-

tains Escuela nº 27, Valle de la Piedra Pintada, February 25, 1939, A. Chicchi 156 (N). Tucumán: with yellow flowers, banks of cienaga, alt. 1650 m, El Bañado, dep. Tafí, May 2, 1926, Venturi 4424 (N); Valley of Tafí, 1908, C. Bruch s. n. (N), det. by Rodrigo as *R. Cymbalaria* Pursh.

Ranunculus flagelliformis J. E. Sm. — ARGENTINA: Buenos Aires: in the vicinity of Estancia Leines, Sierra de la Ventana, November 1895, N. Alboff 3 (N); partly submerged at edge of arroyo, Isla Santiago, part. de La Plata, October 13, 1935, A. L. Cabrera 3365 (N); floating in an arroyo, La Blanqueada, Sierra de la Ventana, part. de Tornquist, April 23, 1939, A. L. Cabrera 5198 (N); Punta Lara, part. de La Plata, November 11, 1940, G. Dawson 991 (N).

Ranunculus repens L. — ARGENTINA: Córdoba: between Copina and Ensenadas, alt. 1200-2000 m, Sierra Grande, January-February 1936, A. P. Rodrigo 471 (N), «apparently this» according to Benson. CHILE: Valdivia: Valdivia, alt. about 10 m, January 1929, A. Hollermayer s. n. [E. Werdermann 1910] (N).

Ranunculus repens var. **glabratus** DC. (perhaps). — ARGENTINA: Buenos Aires: Isla Santiago, September 15, 1935, A. L. Cabrera 3352 (N).

POLYGONACEAE

(determination by N. C. Fassett)

Polygonum punctatum var. **aquatile** (Mart.) Fassett — ARGENTINA: exact locality undesignated, C. M. Hickin 387 (N), as *P. punctatum* Ell.

BEGONIACEAE

(determinations by L. P. Smith)

Begonia cucullata var. **arenosicola** Smith & Schubert — ARGENTINA: Tucumán: Cochuna, dept. Chicligasta,

March 4, 1941, O'Donell 80 [Herb. Inst. Miguel Lillo 17425] (N).

Begonia micranthera var. **foliosa** Smith & Schubert — ARGENTINA: Tucumán: Valley of Tafí, 1908, C. Bruch s. n. (N), det. by Rodrigo as *B. micranthera* Griseb. with a question.

FABACEAE

(determinations by Miss B. Bernice G. Schubert)

Desmodium affine Schlecht. — ARGENTINA: Buenos Aires: Lago del Mini, Delta, January 1914, A. C. Scala 192 (N), as *D. uncinatum*; Paraná Miní, Delta, January 20, 1931, A. L. Cabrera 1604 (N), as *D. albiflorum*. Corrientes: with cream-colored flowers, in woods at the banks of the Villa-nueva, Mercedes, November 1936, A. P. Rodrigo 643 (N).

Desmodium canum (Gmel.) Schinz & Thellung — ARGENTINA: Salta: Campo Chico, Orán, November 21, 1927, S. Venturi 5526 (N). Santa Fe: with violet-colored flowers, highway from Reconquista to Romano, January-February 1936, M. M. Job 982 (N). Tucumán: with violet-colored flowers, along roadsides, highway from San Pedro to Colalao, alt. 1000 m, dept. Trancas, April 16, 1926, S. Venturi 4279 (N), 30 cm tall, with violet-colored flowers, El Barrialito, alt. 538 m, dept. Burruyacu, February 24, 1941, Ousset 119 [Herb. Inst. Miguel Lillo 35804] (N).

Desmodium cuneatum Hook. & Arn. — ARGENTINA: Chaco: 1.5 m tall, with rose-colored flowers, Colonia Benítez, February 1941, T. Meyer 3818 [Herb. Inst. Miguel Lillo 35455] (N), so det.

Desmodium neo-mexicanum Gray — ARGENTINA: Tucumán: with white flowers, hillslopes, Anfama, alt. 1850 m, dept. Tafí, May 1, 1926, S. Venturi 4272 (N).

Desmodium sp. cfr. **D. subsericeum** Malme — ARGENTINA: Salta: Campo Quijano, alt. 1200 m, dep. Rosario de Lerma,

January 28, 1941, T. Meyer 3535 [Herb. Inst. Miguel Lillo 35553] (N).

Desmodium uncinatum (Jacq.) DC. — ARGENTINA: Buenos Aires: Punta Lara, part. de La Plata, March 26, 1932, A. L. Cabrera 2092 (N), so det. URUGUAY: in straw fields, Cerro de las Cuentas, Cerro Largo, February 23, 1938, Rosengurtt B. 2543 (N), so det. also by Burkart.

Desmodium sp. cfr. **D. uncinatum** (Jacq.) DC. — ARGENTINA: Tucumán: with violet-colored flowers, in sandy river shore, alt. 1450 m, Río Tacanas, dept. Trancas, April 17, 1926, S. Venturi 4255 (N).

Galactia tenuiflora (Willd.) W. & A. — ARGENTINA: Tuenmán: at edge of woods, alt. 1500 m, Cerro del Campo, dept. Burruyacu, April 4, 1930, S. Venturi 10409 (N).

URTICACEAE

(determinations by E. P. Killip)

Boehmeria cylindrica (L.) Sw. — URUGUAY: rare in swamps, Cerro de las Cuentas, Cerro Largo, February 23, 1938, Rosengurtt B. 2541 (N), so det.

Phenax hirtus (Sw.) Wedd. — ARGENTINA: Salta: rather frequent about 20 km from Coronel Moldes, alt. 1200 m, dept. La Viña, February 2, 1941, A. T. Hunziker 1177 (N).

Urtica Darwinii Hook. f. — ARGENTINA: Salta: rather frequent on banks of Río Chañapampa, Coronel Moldes, dept. La Viña, alt. about 1200 m, February 2, 1941, A. T. Hunziker 1172 (N).

EHRETIACEAE

Cordia trichotoma (Vell.) Arrab. — ARGENTINA: Misiones: vicinity of Puerto León, alt. 75-100 m, July 12-21, 1914, H. M. Curran 701 (N).

Cordia urticaefolia Cham. — ARGENTINA: Misiones: shrub 1-2 m tall, with deciduous leaves and red fruit, rare in high rocky places in ravines, San Ignacio, alt. 224 m, dept. San Ignacio, J. E. Montes 1876 [20] (N).

SOLANACEAE

(determinations by Joseph V. Monachino)

Fabiana bryoides R. A. Phil. — ARGENTINA: Salta: with violet-colored flowers, on a mountain along the highway Pastos Grandes, Abra del Gallo, alt. 4900 m, about 40 km southwest of San Antonio de los Cobres, December 12, 1946, A. Krapovickas 3216 (N).

BIGNONIACEAE

(determinations by N. Y. Sandwith)

Arrabidaea coleocalyx Bur. & K. Schum. — ARGENTINA: Misiones: Santa Ana, September 18, 1912, Rodríguez 621 [Herb. Inst. Miguel Lillo 56752] (N).

Arrabidaea dichotoma (Vell.) Bur. — ARGENTINA: Salta: Río las Piedras, dept. Orán, November 16, 1911, Rodríguez 89 [Herb. Inst. Miguel Lillo 56743] (N), «a strongly pubescent form not matched at Kew», according to Sandwith.

Bignonia unguis-cati var. **exoleta** (Vell.) Sprague — ARGENTINA: Tucumán: a climbing plant with yellow flowers, Quebrada del Salto Azul, alt. 800 m, dept. Burruyacú, November 12, 1937, Peirano s. n. [Herb. Inst. Miguel Lillo 35177] (N), «probably», according to Sandwith.

Clytostoma binatum (Thunb.) Sandw. — ARGENTINA: Misiones: with purple flowers, Posadas, September 25, 1909, Rodríguez 151 [Herb. Inst. Miguel Lillo 48081] (N).

Cuspidaria pterocarpa (Cham.) DC. — ARGENTINA: Misiones: with rose-colored flowers, Posadas, September 25, 1909, Rodríguez 98 [Herb. Inst. Miguel Lillo 48080] (N).

Mansoa truncata Sprague — ARGENTINA: Salta: Aguaray, dept. Orán, February 15, 1915, Schreiter 3596 [Herb. Inst. Miguel Lillo 56818] (N); Embarcación, alt. 450 m, with white flowers, dept. Orán, December 1926, S. Venturi 5154 (N).

Mansoa truncata var. **parviflora** (Hassl.) — ARGENTINA: Salta: Orán, December 1, 1915, Steinbach 1724 [Herb. Inst. Miguel Lillo 56711] (N). Tucumán: Vipos, December 5, 1922, Schreiter s. n. [Herb. Inst. Miguel Lillo 56820] (N).

Pithecoctenium cynanchoides DC. — ARGENTINA: Tucumán: a climbing plant with white flowers, Tres Pozos, F. C. C. A., alt. 420 m, dept. Leales, December 5, 1938, Descole & Schreiter s. n. [Herb. Inst. Miguel Lillo 35181] (N).

Tecoma garrocha Hieron. — ARGENTINA: Catamarca: Quebrada de Belén, alt. 1300 m, dept. Belén, March 1939, Schreiter s. n. [Herb. Inst. Miguel Lillo 35180] (N).

VERBENACEAE

Acantholippia deserticola (R. A. Phil.) Moldenke — ARGENTINA: Catamarca: Campo del Arenal, Andalgalá, April 15, 1917, Jörgensen 1736 [Herb. Mus. Argent. Cienc. Nat. 23986; Herb. Inst. Miguel Lillo 32373] (N, N), det. as *A. salsolooides* Griseb., not *A. hastulata* as previously reported by me. Jujuy: shrub 1 m tall, Moreno, alt. 3500 m, November 18, 1901, R. E. Fries 746 (S, S), det. as *Lippia hastulata* (Griseb.) Hieron.; in dry campo, Moreno, alt. 3500 m, November 10, 1901, R. E. Fries 746 (S); called «rica-rica», between El Angosto and El Río San Juan, alt. about 3600 m, February 2, region of La Puna, dept. Santa Catalina, Claren 11577 (S), det. as *A. hastulata*; shrub 0.8 m tall,

with white flowers, Cerro Inca-huasé, alt. 4500 m, dept. Cochinchoca, March 2, 1930, Venturi 10129 (S, S), det. by Asplund as *A. hastulata*. La Rioja: Vinchina, March 5, 1879, Hieronymus & Niederlein s. n. (Br), det. as *A. rioniana* Hieron. Los Andes: San Antonio de los Cobres, February 1930, Budin s. n. [Herb. Mus. Argent. Cienc. Nat. 30/1037] (N), not *A. hastulata* as reported before; 1 m tall, with white flowers, called «rica-rica», San Antonio de los Cobres, alt. 3500 m, dept. Capital, January 17, 1941, T. Meyer 3445 [Herb. Inst. Miguel Lillo 35568] (N), not *A. hastulata* as reported before. BOLIVIA: Potosí: Uyuni, alt. 3660 m, February 23, 1903, Hicken 17 (S), det. by Fries as *A. hastulata*. CHILE: Antofagasta: Cordillera Volcán Llullaillaco, alt. about 3500 m, dept. Talfal, February 1926, E. Werdermann 1024 (S), det. as «*Lippia deserticola* Phil.».

Acantholippia hastulata Griseb. — ARGENTINA: Jujuy: medicinal plant, called «rica-rica», Maimará, December 28, 1918, Castillón 6607 [Herb. Inst. Miguel Lillo 32370] (Oa); an infusion of this plant, called «rica-rica», is used as a stomachic; La Quiaca, February 1916, alt. 3600 m, Hauman s. n. (Br), det. as *Lippia hastulata* (Griseb.) Hieron. Salta: frequent shrub about 0.5 m tall, called «rica-rica», San Antonio de los Cobres, alt. about 3800 m, Krapovickas 3126 (N). — The Budin s. n. [Herb. Mus. Argent. Cienc. Nat. 30/1037], Jörgensen 1736 [Herb. Mus. Argent. Cient. Nat. 23986], and T. Meyer 3445 [Herb. Inst. Miguel Lillo 35568] cited previously by me in *Lilloa* are actually *A. deserticola*.

Acantholippia seriphoides (A. Gray) Moldenke — ARGENTINA: La Pampa: low shrub about 30 cm tall, called «orégano» and used for aromatic seasoning on food, abundant in the mountains, Estancia La Rosada, about 50 km from Villa Alba, dept. Hucal, January 10-13, 1944, A. T. Hunziker, 4170 (N). Mendoza: Las Heras, 10 km north of Uspallata, January 16, 1946, Covas 15068 (N), det. as «*Lippia foliosa* Phil.».

Acantholippia trifida (C. Gay) Moldenke — ARGENTINA: Santa Cruz: Tehuelches, alt. about 250 m, November 29, 1928, Donat 52 (S), det. as «*Lippia trifida* Gay»; suffruticose, in campo, Puerto Angosto, December 20, 1904, Dusén 5432 (S), det. as *Lippia seriphoides* A. Gray; valley of Río San Alberto, alt. 2000 m, November 1924, Boel s. n. (Br), det. by Hauman as «*Lippia Trifida* Gay».

Aegiphila brachiata Vell. — Literature: Atilio Lombardo, *Flora Arb. Arbores. Urug.* 185 & 201, 1947.

Aegiphila Hassleri Briq. — URUGUAY: tree 2-3 m tall, banks of the Balovi, dept. Tacuarembó, Arechavaleta s. n. [Herb. Osten 13002] (Ug), det. by Spegazzini as *A. triantha* Schau.; with yellow fruit, Artigas, Fuques s. n. [Lombardo 4153] (N); large tree, Paso Lombari, Bañado de Rocha, dept. Tacuarembó, March 22-28, 1921, Schröder s. n. [Herb. Osten 16059] (Ug). Illustrations: Arechavaleta, *An. Mus. Nac. Montevideo* 4 : 62, 1903.

Aegiphila mediterranea Vell. — The Rodríguez s. n. [Herb. Inst. Miguel Lillo 10448] cited by me in *Phitologia* 1 : 238 (1937) as from Río de Janeiro, Brasil, was actually collected in Misiones, Argentina.

Aegiphila Steinbachii Moldenke — BOLIVIA: Santa Cruz: Steinbach 14781 (S), not *A. mollis* as previously reported.

Aloysia chamaedryfolia Cham. — ARGENTINA: Misiones: Bonpland, Posadas, January 20, 1908, Ekman 2004 (S). URUGUAY: on hill in Valle Edén, Tambores, dept. Tacuarembó, November 1897, Arechavaleta s. n. [Herb. Osten 3744] (Ug), det. as *Lippia rotundifolia* Cham.; shrub 1-1.5 m tall, with fragrant purple flowers, frequent in rocky places, Valle Edén, dept. Tacuarembó, February 3, 1947, Rosengurtt B. 4967 (N). Literature: Lombardo, *Flora Arb. Arbores. Urug.* 185 & 201, 1947.

Aloysia Fiebrigii (Hayek) Moldenke — BOLIVIA : Sucre : Cinti, Puca Khasa, near Tacaquire, March 21-27, 1934, Hammarlund 352 (S), det. as *Lippia Fiebrigii* Hayek. Tarija: Paicho, alt. 3000 m, February 2, 1904, Fiebrig 3036 (N-cotype, S-cotype, S cotype), so det.

Aloysia Fonckii (R. A. Phil.) Moldenke — CHILE : Atacama : erectly branched fragrant bush, called «salvia», cliffs at the mouth of Quebrada del Hielo, Quebrada de Paipote, alt. about 2200 m, dept. Copiapó, November 2-3 1925, I. M. Johnston 4850 (N, S).

Aloysia ligustrina (Lag.) Small — Literature : Acuña, *Cat. Fl. Catamarq.* 2, 1945; Lombardo, *Flora Arb. Arbores. Urug.* 186 & 201, 1947. — ARGENTINA : Córdoba : Unquillo, March 1926, C. Bruch 2830 (S, S); Córdoba, October 1879, Hieronymus s. n. (Br), det. as *Lippia Grisebachiana* Hieron.; Estancia Germania near Córdoba, June-December 1874, Lorentz 83 (Br), det. by Grisebach as *Lippia Grisebachii* Hieron.; among rocks on banks of Lago San Roque, October 14, 1945, A. T. Hunziker 6158 (N); Unquillo, end of March 1946, A. T. Hunziker 6649 (N). Entre Ríos : Concepción del Uruguay, August 1877, Lorentz s. n. (S); barrancas, Concepción del Uruguay, November 28, 1934, Cabrera 3179 (S), det. as «*Lippia* sp.» La Pampa : 1.5-2 m tall, frequent in mountains, Estancia La Rosada, about 50 km from Villa Alba, dept. Huical, January 10-13, 1944, A. T. Hunziker 4167 (N). La Rioja : Chilecito to Mina de Oro, alt. 2000 m, dept. Chilecito, January 12, 1942, T. Meyer 4987 (Si). Salta : with yellow flowers, called «cedrón del campo», along highway to La Ciénaga, dept. Capital, February 11, 1941, J. B. Correa 276 [Herb. Inst. Miguel Lillo 37059] (N). Santa Fe : along highway from Reconquista to Dr. Barros Pajos, January-February, 1936, M. M. Job 835 (S), so det. Santiago del Estero : Sol de Julio, Ferrocarril Central de Argentina, March 24, 1943, H. H. Bartlett 19796 (W). Tucumán : Valley of Tafí, 1908, C. Bruch s. n. (S), det. by Rodrigo as *Lippia lycioides* Steud.;

vicinity of Santa Ana, November 1902, Baer 100 (S), det. as *Lippia ligustrina*. BOLIVIA : Cochabamba : valley of Cochabamba, alt. 2600 m, December 16, 1928, Steinbach 8768 (S), det. by Asplund as «*Lippia ligustrina* (Lag.) OK.» Santa Cruz : alt. 1500 m, October 14, 1928, Steinbach 8248 (S), det. as *Lippia lycioides*. URUGUAY : with white flowers, Cantera de la Paz, Canelones, December 1937, Lombardo 3111 (N), det. as «*Aloysia ligustrina* forma?» ; Cerros de Marincho, dept. Flores, October 6, 1896, Osten 3309 (Ug), det. as *Lippia lycioides*.

Aloysia ligustrina var. *paraguariensis* (Briq.) Moldenke — ARGENTINA : Misiones : with white flowers, called «niño ru-pá», Apóstoles, dept. Apóstoles, January 15, 1944, Sesmero 304 (N). Salta : shrub, Salta, dept. Capital, May 30, 1933, Cabrera 3046 (S, S), det. as «*Lippia ligustrina* (Lag.) Kuntze». BOLIVIA : with white flowers, much-branched shrub 2-3 m tall, in shady places in thickets, January 18, 1902, R. E. Fries 1120 (S, S), det. as *Lippia ligustrina*. PARAGUAY : small tree or bush 3-5 m tall, with fragrant white flowers, common in hedges, Villarica, Jörgensen 3781 (Du, S), det. as *Lippia lycioides* Steud. and «*Lippia ligustrina* O. K.»; Paraguarí, October, 1893, Lindman A. 3637 (S, S), det. as *Lippia ligustrina* var. *paraguariensis* Briq. by Briquet. URUGUAY : unarmed shrub 2 m tall, frequent in rocky places, with fragrant white flowers, Valle Edén, dept. Tacuarembó, February 3, 1947, Rosen-gurtt B. 4966 (N); Augusti s. n. [Herb. Mus. Argent. Cienc. Nat. 27/1805] (N), not *A. pulchra* as previously reported.

Aloysia ovatifolia Moldenke — ARGENTINA : Santiago del Estero : between Forres and Robles, Ferrocarril Central de Argentina, March 23, 1943, H. H. Bartlett 19732 (W).

Aloysia polystachya (Griseb.) Moldenke — Literature : Acuña, *Catalog. Fl. Catamarq.* 2, 1945. — ARGENTINA : Córdoba : Estancia Germania, near Córdoba, June-December 1874,

Lorentz 36 (Br), det. by Grisebach as *Lippia polystachya* Griseb.; Córdoba, October 1879, Hieronymus s. n. (Br), det. as *Lippia polystachya*. La Rioja: shrub widely cultivated in gardens, called «té de burro», medicinal and used to prepare a very agreeable tea, alt. about 600 m, La Rioja, February 18, 1944, A. T. Hunziker 4771 (N), det. as *Lippia polystachya*.

Aloysia pulchra (Briq.) Moldenke — ARGENTINA: Misiones: in thickets at La Granja, Posadas, November 14, 1907, Ekman 1999 (S); in thickets at La Granja, Posadas, December 13, 1907, Ekman 2000 (S). URUGUAY: the Augusti s. n. [Herb. Mus. Argent. Cienc. Nat. 27/1805] previously reported as this is actually *A. ligustrina* var. *paraguariensis*.

Aloysia Reichii Moldenke, *Lilloa* 5 : 380-381, 1940. — Synonym: *Lippia floribunda* R. A. Phil., *Anal. Mus. Nac. Chile* Sec. Bot. 1891 : 59, 1891 [not *L. floribunda* H. B. K., *Nov. Gen. & Sp. Pl.* 2 : 267, 1817]. — The Wagenknecht s. n. [Looser 4238] previously cited as this species is actually var. *trilobata*.

Aloysia Reichii var. *trilobata* Moldenke — CHILE: Coquimbo: Wagenknecht s. n. [Looser 4238] (N-type), previously reported in *Lilloa* 6 : 312 (1941) as *A. Reichii*.

Aloysia salviaefolia (Hook. & Arn.) Moldenke — CHILE: Coquimbo: Rivadavia, alt. about 700 m, November 1923, E. Werdermann 103 (S), det. as *Lippia chilensis* Schau.

Aloysia Schulziana Moldenke — ARGENTINA: Tucumán: in the vicinity of Tucumán, October 1902, Baer 5 (S), det. as *Lippia ligustrina*.

Aloysia scorodonioides (H. B. K.) Cham. — BOLIVIA: La Paz: lower part of Obrajes, alt. 3300 m, in the Andean region April 14, 1919, Buchtien 557 (S), det. as *Lippia scorodonioides* H. B. K.; in hedges, Poquerani to San Pedro, in

the vicinity of Sorata, alt. 2650-2750 m, prov. Larecaja, November 1858, Mandon 522 (S); Buchtien 522 (N), not *A. virgata* as previously reported.

Aloysia scorodonioides var. **detonsa** (Briq.) Moldenke — ARGENTINA: Chaco: A. G. Schulz 3 (N), not *A. virgata* as previously reported. Jujuy: shrub 3 m tall, with white flowers, in open places in thickets, Santa Clara, August 31, 1901, R. E. Fries 502 (S, S), det. as *Lippia virgata* Steud. Salta: Antillas, January 18, 1910, M. Lillo 9790 [Herb. Inst. Miguel Lillo 32268] (N), det. as *A. virgata*; Rosario de la Frontera, December 3, 1905, M. Lillo 4612 [Herb. Inst. Miguel Lillo 32252] (N), det. as *A. virgata*; Pasaje del Río Juramento, February 1873, Lorentz & Hieronymus s. n. (S, S), det. as *Lippia virgata* Steud., previously erroneously reported as *A. virgata*. Santiago del Estero: shrub 2 m tall, Pellegrini, Cerro del Remate, alt. 550 m, January 1928, Venturi 5764 (N, S), not *A. virgata* as previously reported. Tucumán: Schreiter 7420 [Herb. Inst. Miguel Lillo 32658] (N), not *A. virgata* as previously reported. BOLIVIA: Chuquisaca: abundant shrub in woods at Villa Montes on the Río Pilcomayo, November 1910, T. Herzog 1116 (S), det. as *Lippia urticoides* Steud.

Aloysia Sellowii (Briq.) Moldenke — ARGENTINA: Jujuy: in banks near the head of the province, February 26, 1901, Claren 11798 (S), det. as *Lippia lycioides* Steud. Misiones: shrub 1-4 m tall, rather abundant in high dry rocky campo, with popular flowers called «niña-rupá», Loreto, alt. 220 m, dept. Candelaria, February 1, 1946, Montes 1864 (N, N). Tucumán: Norco, alt. 1200 m, May 12, 1909, M. Lillo 9769 [Herb. Inst. Miguel Lillo 32303] (N), det. as *A. ligustrina*; shrub about 2.5 m tall, San Pedro de Collao, alt. about 1000 m, dept. Trancas, December 24, 1946, Krapovickas 3239 (N). URUGUAY: shrub 2 m tall, with fragrant white flowers, abundant in riverside thickets, San José, Río Santa Lucía, near Colonia Etchepare, April 17, 1935, Rosengurtt A. 409 (N), det. as *A. ligustrina* (Lag.).

Small; Santa Lucía, November 1919, Schöder s. n. [Herb. Osten 15470] (Ug.)

Aloysia ternifolia Moldenke — ARGENTINA: Santa Cruz: Dusén 4228 (N-isotype, S-type).

Aloysia triphylla (L'Hér.) Britton — Literature: Aeuña, *Catalog. Fl. Catamarq.* 2, 1945; Rosengurtt, *Estud. Prad. Nat. Urug.* 5: 440, 1946. — ARGENTINA: Buenos Aires: Herb. Swartz s. n. (S), type collection of *A. citriodora* Ort. Catamarca: Las Faldas, Sierra de Belén, alt. 2000 m, dept. Belén, March 1939, Schreiter s. n. [Herb. Inst. Miguel Lillo 37997] (N), det. as « *Lippia citriodora* (Lam.) H. B. K. »; El Condado, dept. Andalgalá, February 2, 1915, Jörgensen 1023 [Herb. Inst. Miguel Lillo 32115] (N), so det. La Rioja: aromatic shrub with white flowers, cultivated at Famatina, February 17, 1941, Burkhardt 12642 (N), so det. Tucumán: medicinal plant, with white flowers, called « cedrón », alt. 850 m, dept. Trancas, January 16, 1913, Monetti 38 [Herb. Inst. Miguel Lillo 32111] (Ca), det. as *Lippia citriodora*. Province undetermined: F. A. Smith s. n. (S) URUGUAY: 3 m tall, plants fragrant, with pale-violet flowers, called « cedrón », cultivated in gardens, Sayago, dept. Montevideo, February 1910, Herter 264a [8966] (S); cultivated at Monzón-Heber, Juan Jackson, dept. Soriano, April 14, 1940, Gallinal, Aragone, Bergalli, Campal & Rosengurtt PE. 4307 (Si).

Aloysia virgata (Ruiz & Pav.) A. L. Juss. — Literature: Lombardo, *Flora Arb. Arbores Urug.* 186 & 201, 1947. — ARGENTINA: Salta: about 4 m tall, with white corollas, cultivated in Jardín Resid. Episcopal, Salta, alt. 1187 m, dept. Capital, A. T. Hunziker 2756 (N). BOLIVIA: Santa Cruz: Río Surutu, alt. 400 m, prov. Sara, October 8, 1925, Steinbach 7274 (S), det. as *Lippia urticoides* Steud. — The following specimens previously cited as *A. virgata* are actually var. *platyphylla*: Bang 2165, Rodríguez s. n. [Herb. Mus. Argent. Cienc. Nat. 30/2058], A. G. Schulz 4, Ven-

turi 2692, Morong 242, T. Meyer 2675, Castellanos s. n [Herb. Mus. Argent. Cienc. Nat. 24/1292]. T. Meyer 8589, T. Meyer 3723, and A. G. Schulz 1490. The following specimens also previously reported as *A. virgata* are actually *A. scorodonioides* var. *detonsa*: Lillo 4612 [Herb. Inst. Miguel Lillo 32252], Schreiter 7420 [Herb. Inst. Miguel Lillo 32658], Lillo 9790 [Herb. Inst. Miguel Lillo 32268], A. G. Schulz 3, and Venturi 3764. The following specimens previously reported as *A. virgata* are actually var. *elliptica*: Archer 4677, Lorentz & Hieronymus s. n., Díaz s. n. [Herb. Inst. Miguel Lillo 32931], Jörsensen 3779, Cabrera 2979, Rosengurtt B. 4295, Jörgensen 2474 [Herb. Mus. Argent. Cienc. Nat. 23931], Rodríguez 545 [Herb. Mus. Argent. Cienc. Nat. 23890], Kuntze s. n., Hassler 366 and 366a, and L. O. Williams 5343. Also Buchtien 522, previously reported as *A. virgata*, is actually *A. scorodonioides*,

Aloysia virgata var. *elliptica* (Briq.) Moldenke — ARGENTINA: Chaco: T. Meyer 4689 (N), not *A. virgata* as previously reported; middle of August 1873, Lorentz & Hieronymus s. n. (N), not *A. virgata* as previously reported. Corrientes: in the vicinity of Corrientes, July 20, 1933, Cabrera 2979 (N, S), not *A. virgata* as previously reported. Jujuy: in forest border and thickets along road through newly cleared land, Calilegua, June 1, 1943, H. H. Bartlett 20405 (W). Formosa: Jörgensen 2474 [Herb. Mus. Argent. Cienc. Nat. 23931] (N), not *A. virgata* as previously reported. Santiago del Estero: plant 3 m tall, with white flowers, in woods, El Chano, alt. 300 m, dept. Giménez, May 17, 1930, Venturi 10376 (S), det. as *Lippia virgata*. Tucumán: Díaz s. n. [Herb. Inst. Miguel Lillo 32931] (N), not *A. virgata* as previously reported; Rodríguez 545 [Herb. Mus. Argent. Cienc. Nat. 23890] (N), not *A. virgata* as previously reported. BOLIVIA: Santa Cruz: prov. Velasco, July 1892, Kuntze s. n. (N, N), not *A. virgata* as previously reported; Misiones Guarayos, Santa Cruz de la Sierra, alt. 250-300 m, October 1926, E. Werdermann 2630 (S), not *A. virgata* as previously reported. Tarija: sparsely branched

shrub 2-3 m tall, with white flowers, in open places in woods, Fortin Crevant, April 19, 1902, R. E. Fries 1602 (S) PARAGUAY: Archer 4677 (N, N), not *A. virgata* as previously reported; bush 5 m tall, very common in all parts, Villarica, November 6, 1928, Jörgensen 3779 (Du, (N, S), Hassler 366 (N) and 366a (N), not *A. virgata* as previously reported; shrub 2-3 m tall, with fragrant white flowers, L'Assomption, April 15, 1874, Balansa 1016 (S-isotype), det. as *Lippia virgata* Steud. URUGUAY: Rosengurtt B. 4295 (N), not *A. virgata* as previously reported; in thickets, called «niñupirá», Santa Lucía, dept. Canelones, December 1880, Arechavaleta s. n. [Herb. Osten 3743] (Ug), det. as *A. urticoides* Cham. by the collector and as *Lippia urticoides* Steud. by Osten.

Aloysia virgata var. **platyphylla** (Briq.) Moldenke — ARGENTINA: Chaco: A. G. Schulz 4 (N), not *A. virgata* as previously reported; T. Meyer 2675 (N), 8589 (N), and 3723 (N), not *A. virgata* as previously reported; Castellanos (N), not *A. virgata* as previously reported; in woods near La Granja, Posadas, November 29, 1907, Ekman 2001 (S); in thickets near La Granja, Posadas, November 30, 1907, Ekman 2002 (S); on banks of the Alto Paraná, Posadas, December 7, 1907, Ekman 2003 (S). Santiago del Estero: shrub 2 m tall, with white flowers, on hillslopes, C. Pellegrini, alt. 500 m, Cerro del Remate, February 28, 1928, Venturi 5860 (S), det. as *Lippia virgata*. Tucumán: Venturi 2692 (N), not *A. virgata* as previously reported. BOLIVIA: La Paz: M. Bang 2165 (C), not *A. virgata* as previously reported. PARAGUAY: woody shrub to 4 m tall, sparsely branched, with white very fragrant flowers, Villa Morra near Asunción, July 17,

1893, Malme 836 (S, S, S), det. as *Lippia urticoides* Steud.; called «*pai-ná ybotý*», Caballero Estación, February 6, 1894, Anisits 509 (S); Morong 242 (C), not *A. virgata* as previously reported.

Baillonia amabilis Boeq. PARAGUAY: shrub 1-2.5 m tall, with white flowers, in palm woods on the banks of the Río Paraguay, Puerto Casado, Chaco, December 1916, Rojas s. n. [Herb. Osten 13560] (S), so det.

Castelia cuneato-ovata Cav. — ARGENTINA: Córdoba: perennial, with whitish-lilac flowers, Río Tercero, January 9, 1940, Burkart 10406 (N), so det. Salta: Talapampa, dept. La Viña, April 16, 1908, M. Lillo s. n. [Herb. Inst. Miguel Lillo 32457] (N), so det. CHILE: Coquimbo: Bridges s. n. (Br).

Citharexylum Jörgensenii (Lillo) Moldenke — ARGENTINA: Tucumán: Cerro de Medina, dept. Burruyacu, March 14, Monetti 2189 [Herb. Inst. Miguel Lillo 32488] (Au) det. as *Duranta serratifolia* (Griseb.) Kuntze.

Citharexylum montevidense (Spreng.) Moldenke — Literature: Rosengurtt, *Estud. Prat. Nat. Urug.* 3 : 234. 1943. — ARGENTINA: Buenos Aires: Paraná Miní, Delta, November 23, 1932, Cabrera 2502 (S); cultivated as Villa Ortúzar, Facultad de Agronomía y Veterinaria, September 26, 1936, Troncoso s. n. (N), det. as «*Citharexylon montevidense*». URUGUAY: in thickets, dept. Tacuarembó, November, Arechavaleta s. n. [Herb. Osten 3754] (Ug); called «tarumán con espinas» [not «tarumán sin espinas», which is *Prunus sphaerocarpa*], Arazati, dept. San José, March, Arechavaleta s. n. [Herb. Osten 3654] (Ug); Palmer near Chafalote, 7 km northwest of 19 de Abril, which is 27 km northeast of Rocha, dept. Rocha, January 21, 1944, H. H. Bartlett 21330 (W); cultivated at Jardín Botánico, Montevideo, 1939, Fröderström s. n. (S).

Clerodendrum Ekmani Moldenke — ARGENTINA: Misiones: San Ignacio, Posadas, January 14, 1908, Ekman 2029 (S).

Diostea juncea (Gill. & Hook.) Miers — ARGENTINA: Chubut: called «retamo», Lago Epuyén, January 27, 1945, Soriaño 1372 (N), so det. Río Negro: on seashore, alt. 700 m, San Carlos de Bariloche, Lago Nahuel-huapi, 41° S. lat. February 6, 1905, Buchtien s. n. (S, S), det. as *Lippia juncea*; shrub on seashore, Bariloche, January 1, 1935, Cabrera & Job 54 (S), det. as *Lippia juncea*. CHILE: Aconcagua: Cumbre Pass, communic. Lindley 1827, McRae s. n. (Br), det. as *Verbena juncea* Gill. & Hook. Curicó: many-branched bush, called «retama», with white flowers, common in open dry river terrace, Cordillera Peteroa-Planchon, Cañón Río Claro, alt. about 1500 m, February 15-19, 1936, Mexia 7878 (S), so det.; Hacienda Monte Grande, alt. about 1200 m, December 1924, Werdermann 545 (S), det. as «*Lippia juncea* Schau.» Santiago: Santiago, G. T. Hastings 367 (It), det. as «*Lantana* sp.» and then as «*Baillonnia juncea* Sch.» Valdivia: Collector undesignated 807 (S), det. as «*Dipyrena juncea* Griseb.» and *D. valdiviana* Phil.; Mangedehue, alt. about 16 m, January 1927, Hollermayer s. n. [Werdermann 1376] (S), det. as *Verbena scoparia* Gill. & Hook.; Huiti, March 1852, Lechler 615 (N-photo, S, S, Si-photo, Z-photo), type collection of *D. valdiviana* Miers. State undetermined: Bridges s. n. (Br), det. as *Verbena scoparia* Hook.

Diostea scoparia (Gill. & Hook.) Miers — ARGENTINA: Mendoza: with lilac flowers, along the highway from Villavicencio to Chile, very common, alt. 2700 m, February 2, 1946, Nicora 4339 (N), det. as *Verbena aphylla*. CHILE: Aconcagua: on mountains, alt. 2200 m, Uspallata Pass, 33° S. lat., Juncal, February 2, 1903, Buchtien s. n. (S, S). Colchagua: Cordillera de St. Fernando, March 1931, Meyen s. n. (Br), det. as «*Verbena scoparia* Hook.» and *V. juncea* Gill. & Hook. Santiago: Cordillera de Santiago, Bridges s. n. (S); flowering in December, alt. 2600 m,

Santiago, Werdermann 488 (S). State undetermined: Herb. Martius, Bridges s. n. (Br); communic. 1835, Cuming 226 (Br), det. as *Verbena juncea* Gill. & Hook.

Dipyrena glaberrima (Gill. & Hook.) Hook. — ARGENTINA: Mendoza: shrub 1 m tall, with cream-yellow flowers, along highway from Villavicencio to Chile, alt. 2700 m, February 2, 1946, Nicora 4347 (N), so det.

Duranta Benthami Briq. — BOLIVIA: La Paz: in the vicinity of Sorata, alt. 2600 m, prov. Larecaja, November 1858, Mandon 534 (S-isotype).

Duranta Mandoni Moldenke — BOLIVIA: La Paz: in the vicinity of Sorata, alt. 1650-3300 m, prov. Larecaja, January-June 1860, Mandon 533 (S-isotype), det. as «*Cythereyelon* sp.» Santa Cruz: on mountain summit, alt. 1800 m, Samaipata, October 15, 1828, Steinbach 8269 (S), det. as *D. Mandonii*. Tarija: Choquetanga, October, T. Herzog 2389 (S), with lilac flowers.

Duranta recurvistachys Rusby — BOLIVIA: Cochabamba: Schutthalde, Paraeti, alt. 2000 m, prov. Chapare, January 19, 1929, Steinbach 8843 (S), det. as *D. Plumieri* Jacq.; Cochabamba, M. Bang 1798 (S-isotype), det. as *D. Plumieri* Jacq.

Duranta repens L. — ARGENTINA: The Rodriguez 3 [Herb. Inst. Miguel Lillo 32504] cited as this previously is actually *D. vestita* var. *glabrescens*. URUGUAY: shrubs 2-3 m tall, with purplish flowers, Quinta Posadas, Montevideo, Jaunary 5, 1943, Rosengurtt B. 4139 1/2 (N); Isla Almion, dept. Paysandú, March-April 1930, Schröder s. n. [Herb. Caten 15511] (Ug).

Duranta serratifolia (Griseb.) Kuntze — ARGENTINA: Jujuy, shrub 1.5 m tall, with violet flowers, in high woods, Sierra Santa Bárbara, alt. 750 m, dept. San Pedro, October 19: 1929, Venturi 9732 (S). Misiones: in thicket by river,

Bonpland, Posadas, December 26, 1907, Ekman 1994 (S); Bonpland, Posadas, January 1908, Ekman 1995 (S); in the vicinity of Colonia Bonpland, near Posadas, Lilliesköld s. n. (S). Salta: shrub 3 m tall, with arching pendulous branches and lilac flowers (the corolla-tube greenish outside), among trees in shady places, El Carmen, October 8, 1901, R. E. Fries 635 (S, S), so det.; 3 m tall, with blue flowers, on hillside, alt. 1000 m, Sierra de la Candelaria, dept. Candelaria, September 22, 1929, Venturi 9576 (S), det. as *D. Lorentziana* Griseb. Tucumán: Villa Nougués, May 29, 1925, Schreiter 8004 [Herb. Inst. Miguel Lillo 32585] (N), det. as *D. Lorentziana*; tree 4-5 m tall, called «tala blanca», with trunk 10 cm in diameter and white-violet flowers, in high woods, El Siambón, alt. 1000 m, dept. Tafí, January 23, 1924, Venturi 2622 [Herb. Inst. Miguel Lillo 32500] (N, S), det. as *D. Lorentziana*; small tree 3.5 m tall, with a trunk 10 cm in diameter and lilac flowers, in mountain woods, Cerro del Campo, alt. 1500 m, dept. Burruyacu, April 3, 1930, Venturi 10358 (S), det. as *D. Lorentziana*. BOLIVIA: Huayavilla, alt. 2400 m, November 20, 1903, Fiebrig 2152 (S), det. as *D. Plumieri* Jacq. URUGUAY: cultivated, 1939, seeds, Fröderström s. n. det. as *D. Lorentzii*.

Duranta vestita var. *glabrescens* Moldenke — ARGENTINA: Misiones: Santa Ana, November 20, 1909, D. Rodríguez 3 [Herb. Inst. Miguel Lillo 32504] (N), not *D. repens* as previously reported.

Junellia Ameghinoi (Speg.) Moldenke — ARGENTINA: Santa Cruz: Río Gallegos, southern Patagonia, 1916, Dauber 113 (Br), det. by Hauman as «*Verbena* aff. *patagonica* Speg.»; Tehuelches, alt. 300 m, December 10, 1928, Donat 138 (S), det. as *Verbena Ameghinoi* Speg.

Junellia aretioides (R. Fries) Moldenke — BOLIVIA: Potosí: with rosy-white flowers, the tube more obscurely so, in dry open rocky places in the mountains, alt. 4000 m, Salta,

near Yavi, January 6, 1902, R. E. Fries 1033 (F-photo of type, N-isotype, N-photo of type, Si-photo of type, S-type, Z-photo of type), det. as *Verbena aretioides* R. Fries.

Junellia aspera (Gill. & Hook.) Moldenke — CHILE: Tarapacá: Cordillera Co Japu, alt. 4300 m, dept. Tarapacá, March 1926, Werdermann 1111 (S), det. as *Verbena aspera* Gill. & Hook.

Junellia bisulcata (Hayek) Moldenke — BOLIVIA: Potosí: Puna Patanca, alt. 3700 m, January 6, 1904, Fiebrig 2473 (N-isotype, S-isotype), det. as *Verbena bisulcata* Hayek.

Junellia digitata (R. A. Phil.) Moldenke — ARGENTINA: Salta: abundant, with white flowers, Cerro del Cajón, alt. 4900, m, March 1914, northern Andes, D. Rodriguez 1379 (Br).

Junellia diversifolia (Kuntze) Moldenke — ARGENTINA: Jujuy: in thickets, Laguna Tres Cruces, alt. 3400-3700 m, dept. Cochinoeca, February 14, 1901, Claren s. n. [Kurtz 11660] (S), det. as *Verbena asparagoides* Gill. & Hook. by Fries; shrub 3-4 m tall, with odorous blue-violet flowers, in rocky places, alt. 4000 m, Nevado de Chañi, December 1, 1901, Hofsten 866 (S), det. as *Verbena asparagoides*; woody plant 0.5 m tall, with clear-blue flowers, Tilcara, alt. 2461 m, dept. Tilcara, February 9, 1940, T. Meyer s. n. [Herb. Inst. Miguel Lillo 34407 (N), det. as *Verbena diversifolia* Kuntze; shrub 2 m tall, with lilac flowers, Tumabya Volcán, alt. 2500 m, February 1927, Venturi 4849 (S), det. as «*Verbena asparagoides* Gill.»] Tucumán: Cañón de Sara, January 1912, Castillón s. n. [Herb. Inst. Miguel Lillo 32721] (N), det. as «*Verbena asparagoides* Gill.»

Junellia erinacea (Gill. & Hook.) Moldenke — ARGENTINA: Santa Cruz: Los Hesas, alt. 400 m, Patagonia, January 1, 1929, Donat 143 (S), det. as *Verbena erinacea* Gill. & Hook.; in campo, southern Patagonia, December 25, 1904, Dusén 6228 (S), det. as *Verbena erinacea*.

Junellia glauca (Gill. & Hook.) Moldenke — CHILE: State undetermined: C. Gay 293 (Br), det. as *Verbena glauca* Gill. & Hook.

Junellia juniperina (Lag.) Moldenke — ARGENTINA: Córdoba: Córdoba, June 18, 1943, H. H. Bartlett 20482 (W). Jujuy: in dry stony places between Santa Catalina and Mina, alt. about 3850 m, región of La Puna, dept. Santa Catalina, January 25, 1901, Claren s. n. [Kurtz 11492] (S), det. as *Verbena juniperina* var. *Clarenii* Kurtz. La Rioja: Cuesta de la Puerta de Piecra, Cuesta de Sigu, Sierra de Velasco, January 8-11, 1879, Hieronymus & Niederlein s. n. (Br), det. as *Verbena juniperina* Gill. & Hook. Mendoza: with very fragrant blue flowers, Cruz de los Paramillos, alt. 2900 m, February 2, 1946, Nicora 4359 (N), det. as *Verbena juniperina*; along the highway from Villavicencio to Uspallata, January 27, 1939, Troncoso s. n. [Herb. Inst. Bot. Darwinion 6062] (N), det. as *Verbena juniperina*. Tucumán: Amaicha, dept. Tafí, December 23, 1913, M. Lillo 16388 [Herb. Inst. Miguel Lillo 31625] (Au), det. as *Verbena juniperina* Lag.; Quebrada del Chorro, alt. 3000 m, dept. Trancas, February 1, 1927, Schreiter 4900 [Herb. Inst. Miguel Lillo 31637] (N), det. as *Verbena juniperina* Lag.

Junellia lavandulaefolia (R. A. Phil.) Moldenke — CHILE: Curicó: Cordillera Volcán Peteroa, alt. 1800 m, January 1925, E. Werdermann 577 (S), det. as *Verbena larendulifolia*. — This binomial was inaccurately written «*Junellia larendulifolia*» by me in *Geogr. Distrib. Verbenac.* 42 & 93 (1942).

Junellia lavandulaefolia var. **colchaguensis** (R. A. Phil.) Moldenke — This trinomial was inaccurately written «*Junellia larendulifolia* var. *colchaguensis*» by me when originally proposed.

Junellia longidentata Moldenke — ARGENTINA: Catamarca: Campo del Arenal, dept. Andalgalá, March 10, 1916, Jörgensen 1614 [Herb. Inst. Miguel Lillo 31751] (N), det. as *Verbena aspera* Gill. & Hook. Salta: shrub 1 m tall, with pendulous branches and white very fragrant flowers, in dry open places, alt. 2380 m, Quebrada del Toro, Golgata, October 11, 1901, R. A. Fries 665 (S). Tucumán: Amaicha, dept. Trancas, December 29, 1912, Castillón 2460 [Herb. Inst. Miguel Lillo 31753] (N), det. as *Verbena aspera* Gill. & Hook.

Junellia minima (Meyen) Moldenke — ARGENTINA: Jujuy: with light-blue flowers, mixed with *J. pygmaea* region of Puna, dept. Santa Catalina, at Santa Catalina, alt. about 3650 m, January 9, 1901, Claren s. n. [Kurtz 11400, in part] (S), det. as *Verbena minima* Meyen: with pale-blue flowers, called «jareta», Santa Catalina, alt. about 3650 m, region of Puna, dept. Santa Catalina, January 16, 1901, Claren s. n. [Kurtz 11451] (S), det. as *Verbena minima*. BOLIVIA: La Paz: Tiahuanaco, alt. 3850 m, December 1913, Buchtien 434 [19] (S), det. as *Verbena minima*; on high tableland, alt. 4100 m, February 1910, Buchtien s. n. (S), det. as *Verbena minima*; Querneca, 37 km east of Lake Titicaca, Rose & Rose 18834 (N); matted in sunny places on the mountains, with pale-lilac flowers, Malla, alt. 3700-4500 m, October 1911, T. Herzog 2438 (S), det. as *Verbena minima*. Province undetermined: in grassy places, alt. 4200 m, in the vicinity of Achacacho, near Apacheta de Gualata, Omasuyos, November 1878, Mandon 596 (S), det. as *Verbena minima*. CHILE: Taena: Ancara, alt. about 4300 m, Cordillera Volcán Tacora, April 1926, E. Werdermann 1120 (S), det. as *Verbena minima*.

Junellia minutifolia (R. A. Phil.) Moldenke — ARGENTINA: Santa Cruz: Tehuelchu, alt. 300 m, December 18, 1929, Donat 124 (S), det. as «*Verbena minutifolia* Cav.». Patagonia, Donat 801 (S), det. as «*Verbena minutifolia* Phil.»; southern Patagonia, Herb. Hauman s. n. (Br).

Junellia patagonica (Speg.) Moldenke — ARGENTINA: Chubut: frequent, with yellow flowers, Camarones, Patagonia, 1912, Ayrelius 12 (S), det. as *Verbena patagonica*. Santa Cruz: Caleta Olivia, alt. 300 m, October 15, 1929, Donat 187 (S), det. as *Verbena patagonica*; in campo between Richmond and Barranca Blanca, January 7, 1905, Dusén 6236 (S), det. as *Verbena patagonica*.

Junellia pseudo-juncea (C. Gay) Moldenke — CHILE: Coquimbo: C. Gay s. n. (Br-cotype, F-photo of cotype, N-photo of cotype, Si-photo of cotype, Z-photo of cotype), det. as «*Verbena pseudojuncea* Clos.»

Junellia pygmaea (R. Fries) Moldenke — ARGENTINA: Jujuy: with pale blue flowers, mixed with *J. minima*, Santa Catalina, alt. about 3650 m, región of Puna, dept. Santa Catalina, January 9, 1901, Claren s. n. [Kurtz 11400, in part] (S-cotype), det. as *Verbena minima* Meyen; in rocky places, alt. 4100 m, region of Puna, dept. Santa Catalina, at La Perdida, January 27, 1901, Claren s. n. [Kurtz 11513] (N-cotype, S-cotype).

Junellia selaginoides (Kunth) Moldenke — CHILE: Antofagasta: erect bush 6-12 dm tall, with violet to lavender corollas, on dry rocky ridges near the summit, above the fertile belt, in the vicinity of Aguada de Miguel Díaz, about 24°35' S., dept. Taltal, December 1-4, 1925, I. M. Johnston 5380 (S), det. as *Verbena selaginoides*; Taltal, alt. about 500 m, dept. Taltal, October 1925, E. Werdermann 848 (S), det. as *Verbena selaginoides*. Coquimbo: Coquimbo, July-August 1856, W. H. Harvey s. n. (S); between La Torre and Ovalle, August 20, 1917, Skottsberg & Skottsberg 909 (S), det. as *Verbena selaginoides*.

Junellia seriphiooides (Gill. & Hook.) Moldenke — ARGENTINA: Catamarca: Campo del Arenal, dept. Andalgalá, March 10, 1916, Jörgensen 1732 [Herb. Inst. Miguel Lillo 39762] (N), det. as «*Verbena bryoides* Phil.»; Corral Blanco, alt.

3200 m, Laguna Blanca, dept. Belén, March 27, 1934, Peirano s. n. [Herb. Inst. Miguel Lillo 32835] (N), det. as *Verbena seriphiooides*. Jujuy: shrub 0,5 m tall, with curved often nutant branches and sometimes rooting, with rosy-white limb and rose-purple tube, in arid open campo, alt. 3500 m, Moreno, Puna de Jujuy, November 10, 1901, R. E. Fries 745 (S), det. as *Verbena seriphiooides*. Salta: frequent, with violet flowers, called «perlilla» and «rosa de la puna», on hill near San Antonio, alt. 3800 m, San Antonio de los Cobres, December 13, 1946, Krapovickas 3130 (N).

Junellia serpyllifolia (Speg.) Moldenke — ARGENTINA: Chubut: Compania Naphophocuel, region of Río Corcovado, 71° long., 43° S. lat., March 10-12, 1901, Illin 240 (Br). Santa Cruz: Tehuelchel, alt. about 300 m, December 22, 1928, Donat 111 (S), det. as *Verbena serpyllifolia*.

Junellia Silvestrii (Speg.) Moldenke — ARGENTINA: Santa Cruz: in campo at about the middle of the Río Santa Cruz, January 12, 1905, Dusén 6239 (S), det. as *Verbena Silvestrii*.

Junellia spathulata (Gill. & Hook.) Moldenke — CHILE: Aconcagua: Bridges s. n. (Br), det. as «*Verbena* sp.» Curicó: in the valley of Río Teno, alt. 1800 m, January 1933, Grandjot s. n. (S), det. as *Verbena spathulata*. Santiago: Cordillera de Santiago, Collector undesignated 808 (S), det. as «*Verbena spathulata* Gill.» State undetermined: Cuming 282 (Br); C. Gay s. n. (Br), det. as «*Verbena spathulata* Hook.»

Junellia Struthionum (Speg.) Moldenke — ARGENTINA: Neuquén: Pino Hachado, Andes of Neuquén, February 1920, Hauman s. n. (Br, N), det. as «*Verbena minutifolia* Phil. an *V. Struthionum* Speg.!». Santa Cruz: southern Patagonia, November-December, Luifiolet s. n. (Br).

Junellia thymifolia (Lag.) Moldenke — ARGENTINA: Chubut: sandy steppe, Fenie-dalen Andean Patagonia, December 11, 1908, C. Skottsberg 912 (N, S), det. as *Verbena thymifolia*. Santa Cruz: in dry stony campo in the mountains, alt. about 500 m, at the upper part of the stream, Arroyo Chalia, February 28, 1905, Dusén 6023 (F-photo, N, N-photo, S, Si-photo, Z-photo).

Junellia tridactylites (Lag.) Moldenke — ARGENTINA: Chubut: Valle Cabezas de Vacas, region of Río Corcovado, 71° long., 43° S. lat., March 1-5, 1901, Illin 56 (Br), det. as « *Verbena thymifolia* var. *minutifolia* (Ph.) Speg. »; Tam-pachica, in Andean Patagonia, November 12, 1908, C. Skottsberg 564 (S), det. as *Verbena tridactylites*. Santa Cruz: Mesetas Altas, alt. about 600 m, January 7, 1930, Donat 221 (S), det. as *Verbena tridactylites*.

Junellia tridens (Lag.) Moldenke — ARGENTINA: Santa Cruz: canyon, Lago Viedma, Río Cangrejos, Andean Patagonia, January 29, 1909, C. Skottsberg 719 (S), det. as *Verbena tridens*; Sierra Baguales, southern Patagonia, March 25, 1899, Borge 100 (S), det. as *Verbena tridens*; on bank, Río Baguales, southern Patagonia, March 17, 1899, Borge 180 (S, S), det. as *Verbena tridens*; Río Gallegos, southern Patagonia, 1916, Dauber 114 (Br), det. by Hauman as « *Verbena tridens* Lag. syn. *V. Carroo* Speg. »; Las Heras, alt. about 400 m, January 1, 1929, Donat 108 (S), det. as *Verbena tridens*; in shrubby campo, Puerto San Julián, December 19, 1904, Dusén 5415 (S), det. as *Verbena tridens*.

Junellia uniflora (R. A. Phil.) Moldenke — BOLIVIA: Potosí: Puna Patanca, January 8, 1904, Fiebrig 2616 (S), det. as « *Verbena* sp. aff. *V. uniflora* Phil. ass. nov. sp. ». CHILE: Coquimbo: Doña Ana, alt. 4200 m, December 1923, E. Werdermann 231 (S), det. as *Verbena uniflora*. Santiago: with white flowers, Paso de las Nieves Negras, Volcán San José, alt. 3400 m, near Santiago, February 1937, Grandjot

s. n. (S), det. as *Verbena uniflora*; Cordillera de Santiago, Herb. Mus. Bot. Stockholm s. n. (S), det. as *Verbena uniflora*.

Junellia Wilczekii (Briq.) Moldenke — ARGENTINA: Santa Cruz: Río Gallegos, southern Patagonia, 1916, Dauber 110 (Br, N), det. by Hauman as *Verbena tridactylites* Lag.

Lampaya Castellani Moldenke — ARGENTINA: Jujuy: corolla-tube white, the limb violet, Casabinda, alt. about 3500 m, December 28, 1901, R. E. Fries 969 (S), det. as *L. medicinalis* R. A. Phil. BOLIVIA: Potosí: Uyuni alt. 3660 m, February 23, 1903, Hicken 23 (N, S), det. by Fries as « *L. medicinalis* Phil. »

Lantana achyranthifolia Desf. — ARGENTINA: Buenos Aires: in pampas, Buenos Aires, Née 120 (Q). PARAGUAY: Estancia Santa María, January 1898, Anisits 2891 (S); with white corollas, in wet sandy campo, Estancia 14 de Mayo, March 29, 1903, Malme s. n. (S).

Lantana aristata (Schau.) Briq. The Monetti s. n. [Herb. Inst. Miguel Lillo 32214], Peirano s. n. [Herb. Inst. Miguel Lillo 32911], Schreiter 4586, and Herb. Inst. Miguel Lillo 32335 previously reported as this, are actually var. *angustifolia*.

Lantana aristata var. **angustifolia** (Kuntze) Moldenke — ARGENTINA: Salta: shrubby, with white flowers, in stony places along river, alt. 1300 m, Alemania, dept. Guachipas, Venturi 9898 (S), Santiago del Estero: shrub 0.6 m tall, with white flowers, among shrubs on high campo, alt. 300 m, El Charco, dept. Giménez, February 12, 1930, Venturi 10104 (S), det. as « *Lippia* sp. »; Peirano s. n. [Herb. Inst. Miguel Lillo 32911] (N), not typical *L. aristata* as previously reported. Tucumán: Cerro del Duraznillo, alt. 850 m, dept. Burruyacu, February 15, 1914, Monetti s. n. [Herb. Inst. Miguel Millo 32214] (N, N), det. as *Lippia geminata* var. *lanceolata* Griseb., previously reported as typical *L. aristata*; Tapia, December 18, 1911, D. Rodríguez 196

[Herb. Inst. Miguel Lillo 32222] (N), det. as *Lippia geminata* var. *lanceolata*, previously reported as *L. aristata* var. *pluripedunculata*; Schreiter 4586 [Herb. Inst. Miguel Lillo 32335] (N), not typical *L. aristata* as previously reported. BOLIVIA: Santa Cruz: 1 m tall, East Velasco, July 1892, Kuntze s. n. (N, N), not var. *pluripedunculata* as previously reported. Tarija: shrubs 0,5 m tall, with lilac flowers, in dry places, Canto del Monte, near Río Pilcomayo, Gran Chaco, April 16, 1902, R. E. Fries 1583 (S, S). PARAGUAY: with fragrant white flowers and mint-odorous leaves, on rocky chalk hill, Estancia Santa María, December 26, 1896, Anisits 2682 (S), s. n. (S).

Lantana aristata var. **Cabrerae** Moldenke — ARGENTINA: Salta: San José, beginning of February 1873, Lorentz & Hieronymus s. n. (S); shrub 0,7 m tall, at edges of arroyos, alt. 700 m, Cerro Negro, dept. Antillas, February 17, 1930, Venturi 10270 (S), det. as «*Lippia* sp.». Tucumán: shrub 1,2 m tall, with white flowers, Quebrada de Lules, alt. 600 m, dept. Famaillá, September 1923, Venturi 2302 (S), det. as *Lippia aristata* Schau. PARAGUAY: sub-shrub in cerrito, Puerto Olympos, October 7, 1895, Anisits 2070 (S).

Lantana aristata var. **pluripedunculata** (Kuntze) Moldenke — This variety, previously reported in these notes as valid, is actually synonymous with var. *angustifolia* and must be abandoned.

Lantana aristata var. **subsessilis** Moldenke — ARGENTINA: Jujuy: Perico, February 2, 1910, M. Lillo 9861 [Herb. Inst. Miguel Lillo 32221] (N), det. as *Lippia geminata* var. *lanceolata* Griseb., previously reported as var. *pluripedunculata*; scrambling shrub 0,5-1 m tall, with large sprawling branches and white flowers, on hillslopes, Capital, alt. 1200 m, February 1936, A. G. Schulz 1456 (N-type), previously reported as var. *pluripedunculata*. Salta: T. Meyer 3728 [Herb. Inst. Miguel Lillo 35475] (N).

Lantana Balansae Briq. — ARGENTINA: Misiones: in the vicinity of Colonia Bonpland, near Posadas, Lilliesköld s. n. (S), det. as «*L. lilacina* Desv.» Santa Fe: along the highway from Reconquista to Dr. Barro Pajos, January-February 1936, M. M. Job 798 (S), det. as «*Lantana* sp.». BOLIVIA: Cochabamba: on hillside by Cochabamba, alt. 2700 m, December 16, 1928, Steinbach 8771 (S), det. as *L. velutina* Mart. & Gal. La Paz: low-lying shrub on dry cliffs, alt. 3420 m, April 23, 1935, Buchtien 558 (S), det. as «*Lippia* aff. *lantanifolia* Griseb.». Santa Cruz: in open woods, Cerro Tres Cruces, alt. 1400 m, October 8, 1928, Steinbach 8150 (S), det. as *L. velutina*. Tarija: low-lying shrublet in rocky meadow, alt. 3000 m, Teneria, November 1911, T. Herzog 2470 (S), det. as *L. velutina*. PARAGUAY: Paraguarí, October 1893, Lindman A. 3641 (S, S), det. by Briquet as «*L. lilacina* var. *parvifolia*»; shrub 0,6-1 m tall, forming colonies at base of Espinillo trees in thorny woods, the entire plants fragrant, with violet corollas, Estancia Armonía, January 17, 1900, Anisits 1878 (S); small shrub with divaricate branches and rose flowers, in hedges, Assumption, May 17, 1874, Balansa 1034 (S-isotype); bush 1-2 m tall, with rose-colored corollas, in campos, Ibiaty, December 1931, Jörgensen 3782 (S), det. by Hassler as «*L. Balansae* Briq. forma?»; shrubs by Patino-cué, with yellow-rose flowers, San Bernardino, August 21, 1916, Osten 9172 (S).

Lantana brasiliensis Link — PARAGUAY: shrub 1-2 m tall, with yellow flowers, later white common in woods, Villa Rica, January 1932, Jörgensen 3708 (S), so det.

Lantana Camara var. **mista** (L.) L. H. Bailey — CHILE: Arica: shrub 12 feet tall, with yellow and red flowers, in irrigation ditches, April 1922, Mrs. R. S. Shepard 282 (S), det. as *L. Camara* L.

Lantana Chamissonis (D. Dietr.) Benth. — ARGENTINA: Misiones: Bonpland, Posadas, January 10, 1908, Ekman 1984,

(S), det. as «*L. Chamissonis* Benth. & Hook.». PARAGUAY: bush 1-2 m tall, in woods, with white corollas, Ubuvera, November 1931, Jörgensen 3784 (S), det. as «*L. aristata* Schau.».

Lantana cujabensis Schau. — BOLIVIA: Cochabamba: San Antonio, alt. about 800 m, Incachaca, July 1926, E. Werdermann 2139 (S). El Beni: Misiones Guatayos, alt. about 250 m, Trinidad, September 1926, E. Werdermann 2344 (S), so det.

Lantana Fiebrigii Hayek — BOLIVIA: Cochabamba: in the vicinity of Cochabamba, M. Bang 2049 (C), not *L. fucata* as previously reported. La Paz: Yungas, 1890, M. Bang, 585 (C), det. as *L. velutina* Mart. & Gal., previously reported as *L. fucata*; Yungas, alt. 6000 feet, 1885, H. H. Rusby 922 (C, Pr), det. as *L. velutina*, previously reported as *L. fucata*. Province undetermined: M. Bang 2533 (C), not *L. fucata* as previously reported. PARAGUAY: in woods and shrubbery of *Acacia farnesiana*, shrubs 1-1.2 m tall, Puerto Casado, Chaco, December 1916, Rojas s. n. [Herb. Osten 13573] (N, S), det. by Osten as *L. trifolia* L.

Lantana fucata Lindl. — ARGENTINA: Entre Ríos: Nacurutú, in the delta of the Río Paraná, 1895, Kullberg s. n. (S. S.). Jujuy: shrub 0.5-1 m tall, with white flowers, in dry open places, Esperanza, September 12, 1901, R. E. Fries 535 (S, S), det. as «*L. lilacina* Desv.». Misiones: in hedges between Posadas and La Granja, November 21, 1907, Ekman 1988 (S), det. as *L. lilacina* var. *parvifolia*; in hedges toward Santa Ana, Bonpland, Posadas, January 25, 1908, Ekman 1989 (S), det. as *L. Camara* L.; in campinas, Posadas, November 20, 1907, Ekman 1990 (S), det. as *L. Camara*. BOLIVIA: Tarija: Padeaya, alt. 2200 m, November 12, 1903, Fiebrig 2019 (S), det. as «*L. lilacina* var. *media* (Kuntze) Briq.»: January 1902, R. E. Fries 1908 (S, S), det. as «*L. lilacina* Desv.». PARAGUAY: shrub to 1.5 m tall, with red-lilac flowers, Paraguari, September

8, 1916, Osten 9171 (S), det. by Almqvist as «*L. lilacina* Desv.»; campos, with blue-violet flowers, San Bernardino, August 14, 1916, Osten 9177 (S).

Lantana glutinosa Poepp. — ARGENTINA: Buenos Aires: around the La Plata, Punta Lara, part. La Plata, March 3, 1930, Cabrera 1358 (S), det. as *L. Camara* L.; Buenos Aires, 1852, Andersson s. n. (S), det. as *L. Camara*. Misiones: in shrubbery at La Granja, Posadas, November 15, 1907, Ekman 1985 (S), det. as *L. Camara*; in hedges near Santa Ana, Bonpland, Posadas, January 26, 1908, Ekman 1986 (S), det. as *L. Camara*; in hedges at Río Alto-Paraná, Santa Ana, Posadas, December 23, 1907, Ekman 1987 (S), det. as *L. Camara*. BOLIVIA: Cochabamba: Cochabamba, alt. 2600 m, March 1892, Kuntze s. n. (N), det. as «*Camara lilacina* Kuntze», previously reported as *L. fucata*. PARAGUAY: bush 1-3 m tall, with yellow corollas and black fruit, common, Villarica, November 19, 1931, Jörgensen 3785 (S), det. as *L. Camara*. URUGUAY: on borders of the Río Uruguay, Maldonado 57 (S), det. as «*L. tiliaefolia* Cham. ?»; in country 25 km north of Castillos, Palmares de Castillos, dept. Rocha, January 22, 1944, H. H. Bartlett 21377 (W); low shrub in thickets, Cerro Arequita, dept. Minas, April 13, 1906, Osten 4465 (Ug); bush 2 m tall, in moist soil in thickets, Solís, dept. Maldonado, October 11, 1932, Osten 22657 (Ug); Rosengurtt R. 2433 (N), 3391 (N), 4130 (N), 4307 (N); Concepción, April 1878, Lorentz s. n. (S), det. as *L. Camara*. — Most of the above specimens were previously reported by me as *Lantana foetida* Rusby or *Lantana Cummingiana* Hayek, both of which names seem to be synonyms of the earlier *L. glutinosa* Poepp.

Lantana Grisebachii Stuck. — ARGENTINA: Córdoba: Ascochinga, Lorentz 136 [Macbride photos 17490] (Kr-photo of type); Córdoba, Lorentz 165 [Macbride photos 20329] (Kr-photo), det. as *Lippia lantanifolia* var. *crenata*. Santiago del Estero: with white flowers, in dry soil in lower part of woods, alt. 300 m, El Charco, dept. Giménez,

February 25, 1930, Venturi 10201 (S), det. as «*Lippia* sp.» — All the specimens previously reported by me in these notes as *Lantana cordobensis* Moldenke should be changed to *L. Grisebachii* because Stuckert's name takes precedence over mine by 8 years.

Lantana hypoleuca Briq. — ARGENTINA: Jujuy: shrub 1.5 m tall, with purple flowers, Ledesma, alt. 750 m, Sierra de Calilegua, October 1927, Venturi 5341 (S), det. as *L. Fiebrigii* Hayek. BOLIVIA: in shrubbery, Challapampa, alt. 2650-2800 m, San Pedro, near Sorata, prov. Larecaja, January-March 1858, Mandon 598 (S). PARAGUAY: Paraguarí, September 6, 1916, Osten 9183 (S), det. by Hassler as *L. trifolia* var. *rigidiuscula* Briq.

Lantana Junelliana Moldenke — ARGENTINA: Buenos Aires: Buenos Aires, Née 6 (Q). Córdoba: Unquillo, March 1926, Bruch s. n. (S); Córdoba, October 1829, Hieronymus s. n. (Br), det. as *Lippia lantanifolia* var. *crenata*; Sierra Chica, January 14, 1876, Hieronymus s. n. (Br), det. as *Lippia lantanifolia* Griseb.; shrub 1.4 m tall, with rose-lilac corolla-limb, on the summit of Malagueño, September 8, 1946, Hunziker 6736 (N).

Lantana micrantha Briq. — ARGENTINA: Jujuy: forest borders and thickets along road through newly cleared land, Calilegua, June 1, 1943, H. H. Bartlett 20392 (W); shrub 1.5 m tall, with purple flowers, in dry open places, Esperanza, September 12, 1901, R. E. Fries 536 (S). Salta: plant 1.4 m tall, with pale-violet flowers, at edge of woods, Alemania, alt. 1400 m, dept. Guachipas, December 19, 1929, Venturi 9918 (S). BOLIVIA: Tarija: alt. 1400 m, November 21, 1903, Fiebrig 2162 (S), so det.; shrub 2 m tall, with red flowers, in shady places, January 28, 1902, R. E. Fries 1210 (S, S), so det. PARAGUAY: corolla white, with yellowish throat, in thickets, Asunción, July 4, 1893, Lindman A. 1661 (S, S), so det. also by Briquet; bush 1-2 m tall, with rose-colored corollas and black fruit, common

in hedges, Villarica, October 1931, Jörgensen 3783 (Du, S), det. *L. Balansae* Briq.; bush 2-3 m tall, with red-orange petals and black fruit, common in hedges and thickets, Villarica, October 6, 1928, Jörgensen 3785 (Du).

Lantana montevidensis (Spreng.) Briq. — Literature: Rosengurtt, *Estud. Prad. Nat. Urug.* 234-235. 1943. — ARGENTINA: Buenos Aires: Buenos Aires, Née 108 (Q). Misiones: Bonpland, Posadas, January 29, 1908, Ekman 197 (S). PARAGUAY: 1-2 m tall, with rose-red petals, common on the campo, Ibiabi, May 4, 1929, Jörgensen 3782 (Du). URUGUAY: Prado, Vivero Municipal, Montevideo, May 31, 1943, Rosengurtt B. 4295, in part (N), mixed with *Aloysia virgata*; flowers lilac-purple, in dry sandy sunny stream-banks in campo, alt. 50 m, San Javier, dept. Río Negro, November 27, 1928, Herter 1018 [Herb. Herter 82834] (S), det. as *L. Sellowiana* Link & Otto; in stony places, San Juan, dept. Colonia, April 1926, Herter s. n. [Herb. Osten 19029] (S), det. as *L. Sellowiana*; with rose-purple flowers, on the hills of Piriápolis, Maldonado, December 1937, Lombardo 2759 (N), det. as *L. Sellowiana*; along Arroyo de Pintos, Artilleros, near Puerto Platero, dept. Colonia, December 17, 1943, H. H. Bartlett 21220 (W); barren hilltop with flat outcrops, near Rivera, dept. Rivera, December 7, 1943, H. H. Bartlett 21092 (W); near railroad, boundary of Campo de Loza, southeast of Parador Salus, dept. Lavalleja, November 27, 1943, H. H. Bartlett 20954 (W); in stony campo, with purple flowers, from San Juan to Colonia, dept. Colonia, beginning of April 1926, Herter s. n. [Herb. Osten 19029] (Ug); with red flowers, Maciel, dept. Mercedes, November 17, 1891, Osten 2996 (Ug), det. as *L. Sellowiana*; dept. Soriano, October 24, 1896, Osten 3293 (Ug), det. as *L. Sellowiana*; in granite cliff, Paso del Arroyo Carpintería del Yaguari, March 13, 1945, Rosengurtt B. 4781 (N).

Lantana ovata Hayek — URUGUAY: plants very dwarf, with yellow flowers, in rocky places, Villaboaas, September 29, 1899, Osten 3819 (Ug).

Lantana planifolia (Cham.) Briq. — URUGUAY: Concepción, August 1877, Lorentz s. n (S).

Lantana Rusbyana Moldenke — BOLIVIA: Cochabamba: Pocona, alt. 2500 m, November 11, 1928, Steinbach 8690 (S).

Lantana trifolia L. — ARGENTINA: Jujuy: shrub 1 m tall, with rose flowers, Cerro de Zapla, alt. 1400 m, November 1926, Venturi 5129 (S); 1 m tall, with violet flowers, on banks of arroyo, alt. 2800 m, Sierra de Zenta, dept. Humahuaca, February 25, 1929, Venturi 8374 (S). Misiones: in shrubbery at La Granja, Posadas, November 14, 1907, Ekman 1991 (S), so det. Salta: with purple flowers, Río Blanco, alt. 650 m, Orán, November 1927, Venturi 5578 (S). BOLIVIA: La Paz: Millugnaya in North Yungas, alt. 1300 m, December 1917, Buchtien 389 (S), so det.; Hacienda Simaco along the road to Tipuani, alt. 1400 m, January 1920, Buchtien 5531 (S), so det.; Rurrenabaque on the Río Beni, near Reyes, October-December 1930, Fleischmann 307 (S), so det. also by Asplund. Santa Cruz: shrub 6-7 dm tall, with red-violet flowers, in grassy campo, Tatrenda, Gran Chaco, March 21, 1902, R. E. Fries 1440 (S, S), so det. PARAGUAY: Campo Arecipe, Río Apá, December 1, 1896, Anisits 2438 (S); bush 1-2 m tall, with corolla and fruit bluishred, very common and striking, Villarica, October 6, 1928, Jørgensen 3777 (Du, S), det. as *L. lilacina* Desf.

Lantana xenica Moldenke — ARGENTINA: Santiago del Estero: in thorn bush between Forres and Robles, Ferrocarril Central de Argentina, March 23, 1943, H. H. Bartlett 19737 (W).

Lippia alba (Mill.) N. E. Br. — ARGENTINA: Buenos Aires: Ensenada, 1891, Lefebre s. n. (Br), det. as *L. geminata* H. B. K.; Buenos Aires, 1852, Andersson s. n. (S, S), det. as «*L. Chamissonis* Dietr. ?». Corrientes: Empedrados, May 1902, Malme s. n. (S). Entre Ríos: Cerro Malambo, Río Paranacito, November 4, 1929, Scala 2003 (S), previously reported as *L. globiflora* (L'Hér.) Kuntze. Misiones: La Granja, Posadas, November 1907, Ekman 2015 (S). BOLIVIA: El Beni: Rurrenabaque on the Río Beni, near Reyes, October to December 1930, Fleischmann 107 (S), det. by Asplund as *L. geminata*; the H. H. Rusby 916 from the junction of the Río Beni and Madre de Dios, previously reported, is from El Beni; Trinidad, alt. about 250 m, Misiones Guarayos, September 1926, E. Werdermann 2410 (S), det. as *L. geminata*. Santa Cruz: with light-pink flowers, January, T. Herzog 1429 (S). Tarija: low shrub, with violet flowers, on dry sandy soil of the banks of the Río Pilcomayo, near Fortín Crevaux, Chaco, April 17, 1902, R. E. Fries 1425 (S), det. as *L. geminata*. PARAGUAY: more or less procumbent shrub in grassy stream barrancas, Pilcomayo, Chaco territory, September 3, 1893, Malme 902 (S, S, S); subshrub 1-1,5 m tall, with pink flowers, yellow within, on stony banks of the Alto Paraná, Villa Encarnación, September 25, 1915, Rojas 1406 [Herb. Osten 7898] (S); suffrutescent and semi-procumbent, 1-1,2 m tall, with rose corollas, called «salvia», on the banks of the Río Paraguay, Concepción, December 1916, Rojas s. n. [Herb. Osten 13563] (S), det. as «*L. geminata* Kunth». URUGUAY: on dry exposed soil on sandy shores, alt. 50 m, San Javier, dept. Río Negro, November 27, 1928, Herter 747 [Herb. Herter 82833] (S), det. as *L. geminata*; flowers in summer, Pocitos, Buceo and the vicinity of Montevideo, dept. Montevideo, Arechavaleta s. n. [Herb. Osten 3753] (Ug), det. as «*L. geminata* Kunth»; Colonia, dept. Colonia, January 30, 1922, Schröder s. n. [Herb. Osten 16469] (Ug), det. as *L. geminata*; dept. Paysandú, December 1924, Schröder s. n.

[Herb. Osten 17309] (Ug), det. by Osten as *Lantana lilacina* Desf.

Lippia angustifolia Cham. — ARGENTINA: Misiones: Bonpland, on the banks of Rio Yabebiry, January 14, 1908, Ekman 2012 (S).

Lippia Arechavaletae Moldenke — URUGUAY: with yellow flowers, on rocky hills in the vicinity of Salto, dept. Salto, September 1898, Arechavaleta s. n. [Herb. Osten 3756] (Ug); among stones and shrubbery, Minero, dept. Soriano, October 29, 1897, Osten 3255 (Ug), the collector notes «cf. *L. intermedia* Cham. sed flor azillares»; Estancia Santa Blanca, Arroyo Guaviyú, January 25, 1942, Rosengurtt B. 3921 (Si).

Lippia asperima Cham. — Literature: Rosengurtt, *Estud. Prad. Nat. Urug.* 3: 235. 1943. — ARGENTINA: Chaco: with yellow corollas, Las Palmas, March 20, 1903, Malme s. n. (S), det. as «*L. turnerifolia* Cham. & Schlecht.»; Las Palmas, October 1917, Jörgensen 2631 [Herb. Inst. Miguel Lillo 32173] (N), so det. Jujuy: with yellow flowers, Jujuy, October 1892, Kuntze s. n. (N), not *L. turnerifolia* as reported before. Misiones: in campo, Bonpland, Posadas, January 6, 1908, Ekman 1997 (S); in grassy places, Posadas, November 21, 1907, Ekman 2013 (S). Salta: with yellow flowers, Quijano, dept. Rosario de Lerma, January 1937, Job 1543 (N), not *L. turnerifolia* as previously reported; with yellow flowers, Campo Quijano, alt. 1200 m, dept. Rosario de Lerma, January 18, 1941, T. Meyer 3452 [Herb. Inst. Miguel Lillo 35569] (N), not *L. turnerifolia* as previously reported; Cerro San Lorenzo, October 17, 1925, Schreiter s. n. [Herb. Mus. Argent. Cienc. Nat. 26/1342] (N), not *L. turnerifolia* as previously reported. Tucumán: Ranchillos, alt. 400 m dept. Cruz Alta, September 25, 1913, Monetti 1138 [Herb. Inst. Miguel Lillo 32176] (N), not *L. turnerifolia* as previously reported; Muñecas, alt. 500 m, dept. Tafí, December 16, 1923, Schreiter s. n.

[Herb. Inst. Miguel Lillo 37994] (N), not *L. turnerifolia* as previously reported; Muñecas, alt. 500 m, dept. Capital, Venturi 1375 [Herb. Inst. Miguel Lillo 32167] (N), not *L. turnerifolia* as previously reported. PARAGUAY: very common in the campo, with yellow flowers, 50 cm tall, Villarica, October 5, 1928, and November 1931, Jörgensen 3775 (Du, S), det. by Hassler as *L. turnerifolia* Cham.; glutinous plants with yellow flowers, Cerrito, Paraguari, September 6, 1916, Osten 9180 [Herb. Osten 9012] (S). URUGUAY: with yellow flowers, frequent on rocky and grassy slopes, Arroyo Tres Arboles, Río Negro, October 4, 1939, Rosengurtt B. 3002 (N), not *L. turnerifolia* as previously reported; with yellow flowers, dept. Tacuarembó, March 19, 1913, Osten 6565 (Ug); Santa Isabel, dept. Tacuarembó, March 10, 1922, Schröder s. n. [Herb. Osten 16592] (Ug).

Lippia Balansae Briq. — PARAGUAY: a bush or small tree 2-4 m tall, very common, with pale-rose or pink corollas and fragrant leaves, Villarica, December 2, 1928, and October, 1931, Jörgensen 3778 (Du, S), so det. also by Hassler; shrub 1 m tall, with pinkish-rose flowers, Paturgas d'Itanyu, near Villarica, February 17, 1876, Balansa 1033 [Macbride photos 24645] (N-photo of type).

Lippia boliviiana Rusby — BOLIVIA: Tarija: Suipacha by Tupiza, February 23, 1904, Fiebrig 3111 (S), so det.; shrub about 1 m tall, with pinkish-white corollas, in exposed declivities of the mountains, R. E. Fries 1222 (S, S).

Lippia bothrioura Briq. — URUGUAY: shores of the Río Negro at San Gregorio, dept. Tacuarembó, January 1926, Schröder s. n. [Herb. Osten 19436] (Ug).

Lippia chacensis Moldenke — BOLIVIA: Santa Cruz: shrub 6-7 em tall, with bright-colored flowers, rare in open grassy campo, Tatarenda, Gran Chaco, March 22, 1902, R. E. Fries 1445 (N-isotype, S-type), det. as *L. geminata* H. B. K.

Lippia Ekmani Moldenke — ARGENTINA: Misiones: Posadas, 1907-1908, Ekman 1974 (N-isotype, S-type).

Lippia Grisebachiana Moldenke — ARGENTINA: Catamarca: below rim of plateau, Cuesta El Portezuelo, February 5, 1943, H. H. Bartlett 19619 (W). Jujuy: on banks, February 26, 1901, Claren 11794 (S), det. as *L. lantanaefolia* Griseb.; plants 30 cm tall, with yellowish flowers, on summit of the mountain, Volcán, alt. 2550 m, dept. Tumbaya, Venturi 10493 (S). La Rioja: with violet flowers, Famatina, alt. 1600 m, Guanchin, December 1928, Venturi 7808 (S). Salta: a shrub 0.5-1 m tall, aromatic, with white or bluish-white flowers, in open dry places, May 13, 1901, R. E. Fries 1 (S, S); San José, February 1873, Lorentz & Hieronymus s. n. (S), det. as *L. lantanaefolia*. Tucumán: in the vicinity of Santa Ana, November 1902, Baer 98 (S); shrub about 3 m tall, San Pedro de Colalao, alt. about 1000 m, December 24, 1946, Krapovickas 3240 (N); Tafí, alt. about 2000 m, dept. Tafí, March 5, 1905, Lillo 4304 [Herb. Inst. Miguel Lillo 32382] (Au); La Criolla, alt. 1200 m, February 27, 1912, D. Rodríguez 346 [Herb. Inst. Miguel Lillo 32391] (N).

Lippia Hassleriana Chod. — PARAGUAY: with white flowers, in the fields at Caaguazú, November 7, 1874, Balansa 1030 (Br); 1874-1877, Balansa s. n. (S); in the region of the Caipibary river, 1900, Hassler 5924 [Macbride photos 24653] (N-photo of cotype).

Lippia heterophylla Briq. — PARAGUAY: in hard sand, Campo Grande, between Luque and La Trinidad, May 12, 1875, Balansa 1038 [Macbride photos 24654] (N-photo, of type).

Lippia hieracifolia Cham. — ARGENTINA: Misiones: at Río Yabebiry, Loreto, Posadas, January 31, 1908, Ekman 2009 (S), det. as «*Neosparton* sp.»; in grassy places at La Granja, Posadas, November 10, 1907, Ekman 2010 (S).

URUGUAY: Campos de Tacuarembó, dept. Tacuarembó, January 1899, Pintos s. n. [Herb. Osten 3749] (Ug).

Lippia imbricata Kuntze — Literature: Rosengurtt, *Estud. Prad. Nat. Urug.* 3: 235. 1943 — ARGENTINA: Corrientes: with yellow flowers, Arroyo Las Garzas on the highway to La Feria, Mercedes, November 1936, Rodrigo 604 (N), not *L. asperrima* var. *longipedunculata* Moldenke as previously reported, which is an invalid synonym of *L. imbricata*. PARAGUAY: with yellow flowers, in spiny woods, Estancia Armonía, January 17, 1900, Anisits 1876 (S). URUGUAY: Salto, September 1898, Arechavaleta 12 (N, N-photo, N-photo), type collection of *L. asperrima* var. *longipedunculata*.

Lippia integrifolia (Griseb.) Hieron. — ARGENTINA: Catamarca: Río del Valle, March 1, 1907, Castillón 947 [Herb. Inst. Miguel Lillo 32002] (N), so det. La Rioja: on dike, La Rioja, March 2, 1941, Burkart 12551 (N), so det. Salta: wood plants 1 m tall, in dry rocky places, Valle de Cafayate, alt. 1900 m, D. Rodríguez 1441 (S), so det.; shrub 1 m tall, with white flowers, Río de San Carlos, alt. 2500 m, March 1927, Venturi 6972 (S); with white flowers, between rocks on the ridge, Campo Quijano, alt. 1600 m, dept. Rosario de Lerma, January 17, 1929, Venturi 8072 (S). Tucumán: medicinal plant, called «yerba del Inca», Quebrada de las Areas, alt. 2500 m, dept. Trancas, February 23, 1920, Schreiter 1202 [Herb. Inst. Miguel Lillo 32618] (Au), so det. Province undetermined: Yuco-Yucu, between Chicaguala and Yanso, May 24, 1944, J. Frenguelli s. n. (N).

Lippia lasiocalyxina Cham. — BOLIVIA: Santa Cruz: Chiquitos, 1843, D'Orbigny 971 (Br).

Lippia longipedunculata Kuntze — PARAGUAY: corolla at first yellow, later orange, very common on the campo, Estancia Santa María, January 29, 1896, Anisits 2531 (S).

Lippia Lorentzii Moldenke — ARGENTINA: Salta: Dragones, middle of August 1873, Lorentz & Hieronymus s. n. (N-isotype, S-type), det. as *L. geminata* var. *lanceolata* f. *incana* Kuntze.

Lippia lupulina Cham. — ARGENTINA: Misiones: in campo, San Ignacio, Posadas, January 14, 1908, Ekman 2016 (S); San Ignacio, August 28, 1713, Quiroga, s. n. [Herb. Mus. Argent. Cienc. Nat. 23852] (N), not *L. primulina* as reported previously. BOLIVIA: Santa Cruz: Chiquitos, 1842, D'Orbigny 897 (Br). PARAGUAY: plants 30-50 cm tall, with Bordeaux-red flowers, Estancia Santa María, January 14, 1897, Anisits 2610 (S); 70 cm tall, with rose corollas, in the campo, Ithu, February 1932, Jörgensen 4585 (Du, S), so det. also by Hassler.

Lippia Morongii Kuntze — ARGENTINA: Misiones: Itaimbé, December 4, 1934, D. Rodríguez 409 [Herb. Mus. Argent. Cienc. Nat. 16278] (N), not *L. asperrima* as previously reported. PARAGUAY: with yellow flowers, in open sandy campo, Colonia Risso, near Río Apa, October 20, 1893, Malme 1078 (S, S). URUGUAY: 30 cm tall, with yellow flowers, in dry exposed sandy campo, alt. 40-60 m, Santa Rosa Cuareim, dept. Artigas, November 27, 1927, Herter 989 [Herb. Herter 82594] (S), det. as *L. turnerifolia* Cham.; rare in meadows, Paisandú, Río Uruguay and Chapiuy, February 24, 1941, Rosengurtt B. 3383 (N), not *L. asperrima* as previously reported.

Lippia obscura Briq. — PARAGUAY: in the mountains by Campo Arecipe, Río Apa, December 1, 1896, Anisits 2430 (N, S).

Lippia phryxocalyx Briq. — PARAGUAY: Garai-eué mountains, Campo Dr. Abente, December 1898, Anisits 2736 (S); same locality and date, Anisits 2742 (S).

Lippia recoletae Morong — ARGENTINA: Misiones: in shrubbery at La Granja, Posadas, November 16, 1907, Ekman 2008 (S); Posadas, 1907-1908, Ekman 2007 (S). PARAGUAY:

50 cm tall, with yellow corollas, very common in the campo, Villarica, October 10, 1928, and October 1931, Jörgensen 3776 (Du, S), det. by Hassler as « *L. Recoletae* Morong »; in dry open pastures, San Lorenzo, Asunción, September 10, 1893, Lindman A. 2219 1/2 (S), det. as « *L. Recoletae* »; small shrub with tuberous woody root and white corollas, yellow in the throat, in hard exposed soil, Asunción, Trinidad, July 10, 1893, Lindman A. 2313 (S), det. as « *L. Recoletae* »; called « malvena », Paraguáí, October 1893, Lindman A. 3903 (S), det. by Briquet as « *L. Recoletae* »; along roadsides and in pastures with *Solidago*, etc., Asunción, with white flowers, July 17, 1893, Malme s. n. (S); San Bernardino, September 13, 1916, Osten 9012 (S), det. as « *L. Morongii* Britton ».

Lippia Rodriguezii Moldenke — ARGENTINA: Misiones: at La Granja, Posadas, December 14, 1907, Ekman 2005 (S); in grassy places at La Granja. Ekman 2006 (S).

Lippia salsa Griseb. — ARGENTINA: Santiago del Estero: between Brea Pozo and Río Huayco Hondo, Ferrocarril Central de Argentina, March 23, 1943, H. H. Bartlett 19759 (W); with lilac flowers, at a salt mine, Gramilla, alt. 300 m, dept. Giménez, May 16, 1930, Venturi 10300 (S). Tucumán: with bright-violet flowers, Chañar Pozo, alt. 300 m, dept. Leales, October 1919, Venturi 484 (S); in very salty soil, El Puestito, alt. 700 m, dept. Burruyacu, December 4, 1928, Venturi 7696 (S); Los Decimas, alt. 270 m, dept. Leales, May 28, 1913, Monetti s. n. [Herb. Inst. Miguel Lillo 32012] (N), so det.

Lippia salviaefolia Cham. — ARGENTINA: Misiones: in high very stony campo, San Ignacio, March 15, 1914, Quiroga s. n. [Herb. Osten 7706] (S).

Lippia Sandwithiana Moldenke — PARAGUAY: with aromatic leaves and yellow flowers, common on limestone soil, Estancia Santa María, December 26, 1896, Anisits 2336

(S); with yellow corollas, in limestone campo, Estancia Santa María, January 29, 1896, Ekman 2517 (N, S).

Lippia scaposa Briq. — PARAGUAY: 50 cm tall, with yellow corollas, in the campo, Japytare, March 1931, Jörgensen 4583 (Du, N).

Lippia sclerophylla Briq. — ARGENTINA: Misiones: in thickets along the Río Alto Paraná, Santa Ana, Posadas, December 23, 1907, Ekman 1996 (S); in campo, Bonpland, Posadas, December 27, 1907, Ekman 2036 (S); in the vicinity of Colonia Bonpland, district of Posadas, Lilliesköld s. n. (S); herb 60-150 cm tall, in high rocky places in ravines, abundant, Loreto, dept. Candelaria, January 22, 1946, Montes 1815 (N). PARAGUAY: 1 m tall, with white corollas, common on the campo, Japyta, March 1931 and March 1932, Jörgensen 4580 (Du, N, S), det. as *L. xerophylla* Briq.; with white corollas and minty odor, Cerro Noaga, Estancia Santa María, January 11, 1897, Anisits 2353 (S, S); Garaíeni, Campo Dr. Abente, December 1898, Anisits 2750 (S, S).

Lippia suffruticosa (Griseb.) Kuntze — ARGENTINA: Tucumán: at the top of the mountain, Cerro del Campo, alt. 1500 m, dept. Burruyacu, April 1, 1930, Venturi 10323 (S).

Lippia tegulifera Briq. — ARGENTINA: Misiones: in campo, San Ignacio, March 8, 1914, Quiroga s. n. [Herb. Osten 7682] (S). PARAGUAY: in campo, Caaguazú, November 7, 1874, Balansa 1031 (S), type collection of var. *parrifolia* Briq.; rare on campo, Estancia Armonía, January 15, 1900, Anisits 1926 (S); 50 cm tall, with yellow corollas, on the campo, Ubuneva, December 1931, and Ulmana, April 4, 1928, Jörgensen 3780 (Du, S), so det. also by Hassler; Jörgensen s. n. [Herb. Mus. Argent. Cienc. Nat. 28/2072] (N), not var. *ovata* as previously reported; southern Paraguay, September 1892, Kuntze s. n. (N), det. as *L. pumila* Cham., previously reported as var. *ovata*.

Lippia tegulifera var. *ovata* Briq. — ARGENTINA: Misiones: in campo, Posadas, 1907-1908, Ekman 2014 (S). PARAGUAY: with yellow flowers, in fields, Caaguazú, November 7, 1874, Balansa 1031 (Br-isotype). — The Jörgensen s. n. [Herb. Mus. Argent. Cienc. Nat. 28/2072] and Kuntze s. n. previously reported as this variety, seem to be typical *L. tegulifera* instead.

Lippia trachyphylla Briq. — ARGENTINA: Salta: decumbent, with yellow flowers, in open dry campo, El Carmen, near Salta, October 7, 1901, R. E. Fries 616 (S). BOLIVIA: Cochabamba: Tunari, Kuntze s. n. (N), not *L. turnerifolia* as previously reported.

Lippia tristis Briq. — PARAGUAY: 50 cm tall, with yellow flowers, in burned campo, Tapytá, March 1932, Jörgensen 4583 (S).

Lippia turbinata Griseb. — ARGENTINA: Buenos Aires: low hills, Sierra de la Ventana, April 1908, Hauman s. n. (Br). Catamarca: Andalgalá, dept. Andalgalá, February 20, 1915, Jörgensen 1024 [Herb. Inst. Miguel Lillo 32080] (N), so det. Córdoba: Estancia Germania near Córdoba, June-December 1874, Lorentz 86 (Br), so det.; Avenida Costanera, Cosquín, alt. 730 m, January-February 1936, A. P. Rodrigo 278 (S). Mendoza: between Tunuyán and El Manzano, March 10, 1945, Covas 15046 (N), so det. Salta: called «poleo», Avenida Virrey Toledo, dept. Capital, January 30, 1941, Correa 5 [Herb. Inst. Miguel Lillo 37041] (Au), so det. Tucumán: Campo Alegre, December 8, 1924, Schreiter 7962 [Herb. Inst. Miguel Lillo 32616] (N), so det.; shrub 1.8 m tall, with violet flowers, Colalao del Valle, alt. 1600 m, dept. Tafí, April 1926, Venturi 4292 (S); shrub 1.2 m tall, with white flowers, banks of the Río Nio, El Cajón, alt. 700 m, Burruyacu, May 16, 1929, Venturi 8518 (S). Province undetermined: Taboga, Née 93 (Q). CHILE: Atacama: shrubs 5-15 dm tall, with white corollas, local in dryish meadow, alt. 400 m, in the vicinity of

Copiapó, dept. Copiapó, November 16, 1925, I. M. Johnston 4987 (S); Pabellón, Tierra Amarilla, alt. 600 m, dept. Copiapó, November 1924, E. Werdermann 474 (S), det. as *L. asperifolia* Rich.

Lippia turbinata f. **angustifolia** Osten — ARGENTINA: Córdoba: called «poleo». Córdoba, January 2, 1880, Galander s. n. (Br), det. as «*L. turbinata* Griseb.»; called «poleo», very common at Córdoba, November 12, 1877, Hieronymus s. n. (Br), det. as *L. turbinata*.

Lippia turnerifolia Cham. — ARGENTINA: Misiones: in campo toward Santa Ana, Bonpland, Posadas, November 16, 1907, Ekman 1998 (S). PARAGUAY: with yellow flowers, in campo, San Bernardino, August-September 1916, Osten 9181 (S), so det. also by Hassler. URUGUAY: in campo in the vicinity of Salto, dept. Salto, November 1898, Arechavaleta s. n. [Herb. Osten 3755] (Ug), so det. also by Osten.—The Rosengurtt B. 3002, T. Meyer 3452, Schreiter s. n., Monetti 1138, Venturi 1375, Kuntze s. n., Job 1543, Herb. Mus. Argent. Cienc. Nat. 26/1342, and Herb. Inst. Miguel Lillo 32167, 32176, 35569 and 37994, previously cited as this species, are in reality *L. asperrima* Cham.

Lippia vernonioides Cham. — BOLIVIA: El Beni: Rurrenabaque on the Rio Beni, in the neighborhood of Reyes, October-December 1930, Fleischmann 306 (S). Santa Cruz: inflorescence greenish-white, the flowers white with a yellowish center, Campo de Buena Vista, alt. 450 m, prov. Sara, April 4, 1925, Steinbach 7027 (N, S), the roots are said to be woody and about the size of an apple; flowers white, with a yellow throat, in hilly campos, alt. 550 m, Porongo, January 1911, T. Herzog 1484 (S).

Lippia villafloridana Kuntze — PARAGUAY: Macbride photos 17553 (N-photo of isotype.)

Phyla betulaefolia (H. B. K.) Greene — BOLIVIA: the H. H. Rusby 917 from the junction of Río Beni and Río Madre de Dios, cited in a previous installment, is from El Beni.

Phyla nodiflora (L.) Greene — ARGENTINA: Formosa: with light-lilac flowers, Bañados of the Río San Francisco, October 1910, T. Herzog 1015 (S), det. as *Lippia reptans* H. B. K. Tucumán: valley of Tafí, 1908, Bruch s. n. (S), det. by Rodrigo as «*Lippia nodiflora* Rich.»; with rose-colored flowers, Paso de San Andrés, alt. 450 m, December 1923, Venturi 2433 (S), det. as «*Lippia nodiflora* (L.) Rich.». URUGUAY: in sandy places at La Fortaleza de Santa Teresa, Rocha, March 1938, Lombardo 3573 (N), det. as «*P. nodiflora* var. ?».

Phyla nodiflora var. **canescens** (H. B. K.) Moldenke — ARGENTINA: Mendoza: Santa Rosa, 1904, Jensen-Haarup s. n. (S). Salta: prostrate, with white flowers, in a dry open place, September 23, 1901, R. E. Fries 556 (S). CHILE: Tacna: Azepedalen, Arica, May 15, 1917. Skottsberg & Skottsberg 1492 (S), det. as «*Lippia nodiflora* (L.) Michx.» Province undetermined: Née 88 (Q). PARAGUAY: with white flowers, at termine nests in open grassy campo, near Asunción, Gran Chaco, August 29, 1893, Malme s. n. (S).

Phyla nodiflora var. **reptans** (H. B. K.) Moldenke — ARGENTINA: Jujuy: with white flowers, in fields, Quinta, near Laguna de la Brea, June 8, 1901, R. E. Fries 140 (S); in cultivated fields, Quinta, near Laguna de la Brea, June 9, 1901, R. E. Fries 176 (S).

Phyla nodiflora var. **rosea** (D. Don) Moldenke — ARGENTINA: Buenos Aires: in meadows, Elizalde, in the vicinity of the La Plata, April 5, 1932, Cabrera 2130 (S), det. by Asplund as «*Lippia nodiflora* (L.) L. C. Rich.»; in flax fields, Chacarita, March 1911, Aurelius s. n. (S), det. by Ekman as «*Lippia nodiflora* Rich.»; Barracas al Sud, February 26, 1902, with white flowers, Venturi 93 (S);

Buenos Aires, 1885, Lefebre s.n. (Br), det. as «*Lippia nodiflora* Rich.». Córdoba: Estancia Germania, near Córdoba, June-December 1874, Lorentz 59 (Br), det. as «*Lippia canescens* Kunth». Santa Fe: El Tostado, Río Salado, January-February 1936, Job 1073 (S), det. as *Phyla canescens*. Tucumán: Río de las Carreras, alt. 2000 m, dept. Tafí, February 12, 1908, M. Lillo 7633 [Herb. Inst. Miguel Lillo 32134] (N), det. as *Lippia canescens* H. B. K. BOLIVIA: Cochabamba: in field by Tarata, alt. 2700 m, November 17, 1928, Steinbach 8720 (S), det. as *Lippia canescens*. Tarija: Padecaya, alt. 2100 m, December 10, 1903, Fiebrig 2518 (S), det. as «*Lippia nodiflora* Rich.». CHILE: Concepción: Port Coronel, Ochsenius s. n. (Br); Collector undesignated 105 (Q), det. as «*Verbena nodiflora* var. *sublanccolata*» and «*Zapania nodiflora* var. *sublanccolata*». Coquimbo: in the vicinity of Coquimbo, Miss Field 7561 (Br). Nuble: among grass in campo, Maquehue Temuco, January 1906, Middleton s. n. (S), det. as *Lippia canescens*. Valdivia: San José de la Mariquina, alt. about 50 m, January 1926, Hollermayer s. n. [Werdermann 1196] (S), det. as *Lippia nodiflora*. Province undetermined: 1835, Cuming s. n. (Br), det. as «*Lippia nodiflora* Rich.» URUGUAY: Montevideo, 1852, Andersson s. n. (S), det. as *Lippia canescens*; with white flowers, in dry sandy campo exposed to the sun, alt. 5-20 m, Pocitos, dept. Montevideo, January 1925, Herter 18 [Herb. Herter 76919] (S, S), det. as «*Lippia canescens* Kunth»; with white corollas, Isla de Flores, near Montevideo, April 11, 1902, Malme s. n. (S), det. as *Lippia nodiflora* var. *pusilla* Briq.; campo at Mercedes, dept. Soriano, Berro s. n. [Herb. Osten 3750] (Ug), det. as «*Zapania nodiflora* Lam.» by the collector and as *Lippia nodiflora* var. *sarmentosa* Schau. by Osten; Felippone 5647 (N), det. as *Lippia nodiflora* var. *canescens*; along railroad tracks, Sayago, alt. 30 m, dept. Montevideo, January 1910, Herter 18b [Herb. Herter 8953; Herb. Osten 20635] (Ug), det. by Thellung as «*Lippia canescens* Kunth»; in dry sandy campo, alt. 20 m, between Pocitos and Malven,

dept. Montevideo, January 4, 1925, Herter 18c [Herb. Herter 76854; Herb. Osten 20636] (Ug), det. as «*Lippia canescens* Kunth»; along roadsides, Colón, dept. Montevideo, January 15, 1899, Osten 3633 (Ug), det. as *Lippia nodiflora* var. *sarmentosa*; Carrasco, dept. Montevideo, November 24, 1912, Osten 6385 (Ug), det. as «*Lippia nodiflora* Rich.»; with white yellow-eyed flowers, on dunes, Carrasco, dept. Montevideo, December 11, 1926, Osten 20108 (Ug); with white yellow-eyed flowers, Carrasco, dept. Montevideo, December 12, 1930, Osten 22101 (Ug), det. as *Lippia nodiflora* var. *pusilla* Briq., later changed to *L. filiformis* Schrad.; Ramírez, dept. Montevideo, March 1, 1925, Schröder s. n. [Herb. Osten 19695] (Ug), det. by Osten as «*Lippia nodiflora* Rich.».

Phyla strigulosa (Mart. & Gal.) Moldenke — BOLIVIA: Santa Cruz: creeping, Tierra Greda, Desmontes, alt. 400 m, Río Palometillas, prov. Sara, December 18, 1924, Steinbach 6756 (S), det. as *Dalbergia variabilis* Vogel; Río Quimory, alt. 400 m, prov. Sara, November 8, 1925, Steinbach 7320 (S), det. as *Lippia reptans* H. B. K.

Rhaphithamnus spinosus (A. L. Juss.) Moldenke — CHILE: Valdivia: tree m tall, with lustrous leaves, Lago Ranco, December 14, 1944, Boelke 223 (N).

Stachytarpheta australis Moldenke — ARGENTINA: Misiones: in the vicinity of Colonia Bonpland, near Posadas, Lilliesköld s. n. (S), det. as *S. cayennensis*; Bonpland or Posadas, 1907-1908, Ekman s. n. (S), previously reported as *S. dichotoma* (Ruiz & Pav.) Vahl; herb about 30-50 cm tall, with blue flowers, called «tatú-ruguay», used in popular medicine, abundant in high places in gorges, alt. 224 m, San Ignacio, dept. San Ignacio, February 6, 1946, J. E. Montes 1881 [77] (N). Salta: with lilac flowers, in the barranca of a river, Río Blanco, alt. 650 m, dept. Orán, November 15, 1927, Venturi 5574 (S). PARAGUAY: Paraguarí, October 1893, Lindman A. 3639 1/2 (S), det. by Briquet as *S. cayennensis* Vahl f. ad var. *candidantem aliq. vergens*.



Stachytarpheta cayennensis (L. C. Rich.) Vahl — ARGENTINA : Misiones : in thickets at La Granja, Posadas, November 12, 1907, Ekman 1993 (S), det. as « *S. cayennensis* Schau. ». BOLIVIA : La Paz : Hacienda Carana, on the road to Tipuani, alt. 1400 m, January 17, 1923, Buchtien 7452 (S) ; Rurrenabaque on the Río Beni, near Reyes, October-December 1930, Fleischmann 403 (S), so det. also by Asplund. PARAGUAY : 0,5 m tall, with blue corollas, common at Villarica, November 1931, Jörgensen 3907 (S), so det. ; Paraguarí, October 1893, Lindman 3639 (S, S), det. by Briquet as « *S. cayennensis* Vahl. »

Stachytarpheta cayennensis f. *albiflora* Moldenke — ARGENTINA : Misiones : in fields, Bonpland, Posadas, January 16, 1908, Ekman 1992 (S), so det.

Stachytarpheta elatior Schrad. — BOLIVIA : El Beni : Trinidad, Misiones Guarayos, alt. about 250 m, September 1926, Werdermann 2412 (S).

Stachytarpheta polyura Schau. — PARAGUAY : common bush with blue corollas, in wooded parts of hillsides, Puerto Olymbo, October 10, 1895, Anisits 2062 (S).

Urbania pappigera R. A. Phil. — CHILE : Antofagasta : alt. 4500 m, Cord. Volcán Llullaillaco, February 1926, Werdermann 1019 (S), so det. Tarapacá : La Escalera, alt. about 4100 m, dept. Tarapacá, Cord. Co. Columfusca, March 1926, Werdermann 1098 (S), so det.

Verbena Berterii (Meisn.) Schau. — CHILE : Colchagua : Rancagua, Bertero s. n. (Br), det. as « *V. Lambertii* aff. ». Valparaíso : Bridges s. n. (Br). Province undetermined : Chili, 1828-1834, C. Gay 744 (Br), det. as « *V. dissecta* Schau. » ; Chili, 1839, C. Gay 792 (Br), det. as « *V. erinoides* Hook. » ; Chile, 1835, Cumming s. n. (Br), det. as « *V. erinoides* L. ».

Verbena bonariensis L. — Literature : Rosengurtt, *Estud. Prad. Nat. Urug.* 3 : 235. 1943. — ARGENTINA : Buenos Aires :

frequent, Buenos Aires, 1885, Lefebre s. n. (Br) ; Buenos Aires, Née 12, in part (Q), 86 (Q) ; Buenos Aires, February 1932, Hickel s. n. [Herb. Inst. Bot. Darwinion 8760] (N), so det. Tucumán : Tafí, dept. Tafí, February 13, 1915, Castillón s. n. [Herb. Inst. Miguel Lillo 31444] (Au), so det. ; Tafí, alt. 2000 m, dept. Tafí, March 5, 1905, Lillo s. n. [Herb. Inst. Miguel Lillo 31451] (N), so det. ; Sierra de la Cuesta del Garabatal, January 30, 1874, Lorentz & Hieronymus s. n. (Br), so det. ; Loma del Diablo, alt. 2900 m, April 3, 1912, Rodríguez 471 [Herb. Inst. Miguel Lillo 31450] so det. PARAGUAY : 1-2 m tall, with blue corollas, very common at Villarica, December 5, 1928, Jörgensen 3768 (Du), det. as *V. intercedens* Briq. URUGUAY : in pasture, La Estanzuela, dept. Colonia, January 14, 1944, H. H. Bartlett 21292 (W) ; in vacant lot, Montevideo, January 15, 1944, H. H. Bartlett 21306 (W) ; in fertile fields and marshes, San Pedro del Timote, Florida, Cerro Colorado, February 16, 1944, Gallinal, Aragone, Bergalli, Campal & Rosengurtt PE. 5469 (N) ; with violet flowers, Estancia Gallinal, Palleros, dept. Cerro Largo, end of January 1926, Herter s. n. [Herb. Osten 18496] (Ug), so det. ; with violet flowers, in wet grassy places, Punta Gorda, dept. Montevideo, January 20, 1907, Osten 4666 (Ug), det. as « *V. bonaerensis* L. var. *brevibracteata* OK. ».

Verbena brasiliensis Vell. — ARGENTINA : Buenos Aires, Née 115, in part (Q). Córdoba : Estancia Germania, near Córdoba, June-December 1874, Lorentz 131 (Br), det. as *V. ephedroides* Cham. URUGUAY : with pale-violet flowers, in fields and along roadsides, dept. Durazno, November 19, 1902, Osten 4293 (Ug), det. as *V. litoralis* H. B. K. ; plants 2-3 m tall, with small violet corollas, in shady places, Mignete, dept. Montevideo, February 11, 1933, Osten 22921 (Ug), det. as « *V. litoralis* H. B. K. forma *pycnostachya* ».

Verbena carrollata Briq. — Literature : Rosengurtt, *Estud. Prad. Nat. Urug.* 3 : 235. 1943.

Verbena chilensis Moldenke — ARGENTINA: Mendoza: in the neighborhood of Lago El Sosneado and the hotel, Estancia El Sosneado, January 24, 1943, H. H. Bartlett 19487 (W); Arroyo Las Mangas, alt. 1900 m, January 1921, E. Carette 339 (N), not *V. flava* as previously reported.

Verbena clavata Ruiz & Pav. — CHILE: Province undetermined: Cuming 954 (Br, N).

Verbena concepcionis Moldenke — CHILE: Concepción: Née 57 (F-photo of type, N-isotype, Q-type).

Verbena corymbosa Ruiz & Pav. — CHILE: Bío-Bío: in swamps, Laguna de San José Cantera, Isla la Laxa, December, Poeppig III. 157 (Br), det. as *V. palustris* Poepp. Valdivia: with blue flowers, alt. 160 m, December, Gunckel 13766 (N); Valdivia, Bridges s. n. (Br). Province undetermined: Coscoyen, Née 91 (Q). URUGUAY: in swamps, Bañados de Carrasco, dept. Montevideo, October-December, Arechavaleta s. n. [Herb. Osten 3745] (Ug), det. as *V. ovata* Cham.; with violet flowers, in turf on dunes near Maldonado, dept. Maldonado, January 17, 1900, Osten 4052 (Ug), det. as *V. orata*; Bañados de Carrasco, Canelones, January 1938, Lombardo 3113 (N).

Verbena crithmifolia Gill. & Hook. — ARGENTINA: Buenos Aires: Peña Blanca, Née 81 (Q). Catamarca: Andalgalá, dep. Andalgalá, September 1914, Jörgensen 1019 [Herb. Inst. Miguel Lillo 31743] (N), so det. La Pampa: General Acha, alt. about 200 m, dept. Utracan, January 1944, Huiziker 4123 (N). Mendoza: abundant in dry alluvial soil, alt. 2050 m, Las Lomadas, Uspallata, Las Heras, March 11, 1945, Semper 439 (N).

Verbena dissecta Willd. — Literature: Rosengurtt, *Estud. Prad. Nat. Urug.* 3: 235. 1943. — ARGENTINA: Buenos Aires: on pampas, Buenos Aires, Née 30 (Q), 96 (Q); with violet flowers, Sierra du Tandil, December 1905, Hauman s. n. (Br),

det. as *V. erinoides* Lam.; with violet flowers, Sierra de Balcarce, November 1922, Hauman s. n. (Br), det. as *V. tenera* Spreng.; in Monte de Talas, La Plata, 1891, Lefebre s. n. (Br). Catamarca: Campo del Arenal, dept. Andalgalá, March 10, 1916, Jörgensen 1613 [Herb. Inst. Miguel Lillo 31745] (N), det. as *V. sulphurea* Sweet; Cerrillos Sierra Aconquija, alt. 3100 m, dept. Santa María, December 16, 1933, Peirano s. n. [Herb. Inst. Miguel Lillo 32849] (N), not *V. microphylla* as previously reported. La Pampa: around Sierra Chica, between Curacó and General Acha, Agua Blanca, March 27, 1939, Chicchi 264, in part (N), mixed with *V. Hookeriana*. Santiago del Estero: Campo Verde, dept. Guasayán, June 9, 1943, H. H. Bartlett 20416 (W). Tucumán: with blue flowers, La Hoyada, alt. 1500 m., November 23, 1921, Schreiter 1904 [Herb. Inst. Miguel Lillo 32759] (N), det. as « *V. erinoides* Lam »; Parque 9 de Julio, alt. 450 m., Capital, dept. Capital, December 1919, Venturi 4 [Herb. Inst. Miguel Lillo 31729] (Au), det. as *V. erinoides*. URUGUAY: Gallinal, Aragone, Bergalli, Campal & Rosengurtt PE. 5262 (N, Si); with purple-violet flowers, in sandy places, Maldonado, Herter s. n. [Herb. Osten 17657] (Ug), det. as *V. erinoides*; with light-red fragrant flowers, growing between « *V. erinoides* » and « *V. chamaedryfolia* », Costa del Rosario, dept. Colonia, October 24, 1894, Osten 3002 (Ug), det. as « *V. chamaedryfolia* × *erinoides* ? »; with red-violet odorous flowers, on dunes, Carrasco, dept. Montevideo, November 18, 1906, Osten 4539 (Ug); with vanilla-fragrant, red-violet or lilac flowers, Balneario Solís, dept. Maldonado, October 24, 1915, Osten 7793 (Ug); with violet non-odorous flowers, in grassy fields, Punta Gorda, Montevideo, November 26, 1911, Osten 5642 (Ug), det. as *V. tenera*; with violet flowers, Punta del Este, dept. Maldonado, March 1917, Osten 10356 (Ug); with violet inodorous flowers, Barra Santa Lucía, dept. San José, December 19, 1918, Osten 14676 (Ug); with violet flowers, Punta del Este, dept. Maldonado, March 15, 1921, Osten 16039 (Ug).

Verbena ephedroides Cham. — ARGENTINA: Misiones: Casa de Drewes, Loreto, Posadas, January 26, 1908, Ekman 2023 (S), det. as *Neosparton ephedroides*.

Verbena flava Gill. & Hook. — ARGENTINA: Chubut: northern Chubut, Graetel s. n. (Br), det. as « *V. flava* Gill. ». Mendoza: with yellow flowers, Lavalle Ramblon, dept. Las Heras, May 1, 1944, Ruiz Leal 9291 (N), so det. — The Cartette 339 previously reported as this species is actually *V. chilensis* Moldenke.

Verbena gracilescens (Cham.) Herter — Literature: Rosenburgt, *Estud. Prad. Nat. Urug.* 3: 236. 1943. — ARGENTINA: Buenos Aires: in higher parts of wet meadow, Paraná Miní, Delta del Paraná, January 20, 1931, Cabrera 1605 [Herb. Osten 22286] (Ug), det. by Osten as « *V. littoralis* HBK. var. *caracasana* Briq. ». Chaco: Las Palmas, October 1917, Jörgensen 2467 [Herb. Inst. Miguel Lillo 31430] (N), det. as *V. gracilescens* Cham. Córdoba: Córdoba, October 1819, Hieronymus s. n. (Br), det. as « *V. officinalis* var. *gracilescens* Griseb. »; perennial, about 1 m tall, with violet-rose corollas, on the shores of the river Primero, Calera, November 11, 1945, Hunziker 6318 (N, Si); Estancia Germania, near Córdoba, June-December 1874, Lorentz 113 (Br), det. as « *V. officinalis* var. *gracilescens* Griseb. »; with clear-lilac flowers, Córdoba, 1940, Valencia s. n. [Herb. Inst. Miguel Lillo 16064] (N), so det. Mendoza: Mendoza, Née 4 (Q), det. as « *V. angustifolia* Lam. ». Tucumán: Río Salí, alt. 500 m., dept. Capital, June 5, 1920, Venturi 462 [Herb. Inst. Miguel Lillo 31428] (N), det. as « *V. gracilescens* Cham. ». URUGUAY: Estancia Gallinal, Palleros, dept. Cerro Largo, end of January 1926, Herter s. n. [Herb. Osten 18490] (Ug), det. as « *V. gracilescens* Cham. »; Estancia Gallinal, Palleros, dept. Cerro Largo, end of January 1926, Herter s. n. [Herb. Osten 18491] (Ug), det. by Osten as « *Verbena* cf. *caracasana* HBK. »; Sierra Aceguá, dept. Cerro Largo, end of January 1926, Herter s. n. [Herb. Osten 18499b] (Ug), det. by Osten

as « *Verbena* cf. *caracasana* HBK. »; with dark-violet flowers, in stony places, Dayman, dept. Salto, October 18, 1896, Osten 3333 (Ug), det. by Osten as « *V. officinalis* var. *minor* Osten »; with dark-violet flowers, at edge of woods, Dayman, dept. Salto, October 18, 1896, Osten 3334 (Ug), det. by Osten as « *V. officinalis* var. *major* Osten »; with pale-violet flowers, in thickets at the shore of Río Yi, near Durazno, dept. Durazno, November 7, 1899, Osten 3936 (Ug), det. by Osten as « *V. gracilens* forma *typica* Osten »; in thickets along the banks of the Río Santa Lucía, at Santa Lucía, dept. San José, November 25, 1929, Osten 21700 (Ug), det. as *V. officinalis* L.; on shores of Bio Santa Lucía, dept. San José, November 25, 1929, Osten 21713 (Ug), det. as *V. officinalis*; Isla los Baños, near Mercadis, dept. Soriano, November 13-18, 1924, Schröder 117 [Herb. Osten 19911] (Ug); with blue flowers, in wet meadow, Estancia Rincón de Santa Elena, Picada Castro, Arroyo Mansavillagra, dept. Florida, November 1946, Rosengurtt & Gallinal 5803 (N), so det.

Verbena Herteri Moldenke — URUGUAY: with fragrant violet flowers, Cuaró, dept. Artigas, October 2, 1894, Osten 3128 (Ug); with red-violet fragrant flowers, among bushes on shores of Río Arapey, dept. Salto, October 15, 1896, Osten 3326 (Ug), det. as *V. dumetorum* Osten.

Verbena hispida Ruiz & Pav. — ARGENTINA: Córdoba: with lilac flowers, Alta Gracia, January 13, 1940, Burkart 10411 (N), so det. Formosa: Formosa, dept. Capital, October 1918, Jörgensen 2638 [Herb. Inst. Miguel Lillo 32322] (N), so det. Salta: Santa Victoria, alt. 2385 m., dept. Santa Victoria, January 27, 1943, T. Meyer 4870 (Si). Tucumán: Capital, alt. 500 m., dept. Capital, September 20, 1920, Schreiter 2359 [Herb. Inst. Miguel Lillo 32785] (N), det. as « *V. littoralis* H. B. K. »; with violet flowers, Barrancas Coloradas, dept. Capital, May 1920, Venturi 825 [Herb. Inst. Miguel Lillo 31331] (N), so det. CHILE: Colchagua:

Rancagua, Bertero s. n. (Br). Province undetermined: 1835, Cuming s. n. (Br,), 417 (Br, F-photo, N-photo, Si-photo, Z-photo).

Verbena Hookeriana (Covas & Schnack) Moldenke — ARGENTINA: Buenos Aires: Chicchi 28 (N, N), not *V. erithmifolia* as previously reported. Catamarca: in flat with *Larrea cuneifolia* association in loess soil, 6 km southwest of Andalgalá, on the road to Belén, May 23, 1943, H. H. Bartlett 20231 (N); Quebrada del Tala, July 20, 1909, Castillón s. n. [Herb. Inst. Miguel Lillo 31738] (N), det. as *V. erinoides* Lam.; Castillón s. n. [Herb. Inst. Miguel Lillo 31740] (N), not *V. erithmifolia* as previously reported; Jörgensen 1019 [Herb. Inst. Miguel Lillo 31744] (N), not *V. erithmifolia* as previously reported; Schreiter 6428 [Herb. Inst. Miguel Lillo 32749] (N), not *V. erithmifolia* as previously reported; El Jumeal, April 29, 1944, Soriano 847 (N), so det.; Job 1337 (N), not *V. erithmifolia* as previously reported; Schreiter 10612 [Herb. Inst. Miguel Lillo 32861] (N), not *V. erithmifolia* as previously reported. Córdoba: Copalilla del Monte, March 19-21, 1943, H. H. Bartlett 20149 (N), so det.; Kurtz 8440 (N), not *V. erithmifolia* as previously reported; Cabrera 6391 (N), not *V. erithmifolia* as previously reported; Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 31202] (N), not *V. erithmifolia* as previously reported; 1873, Lorentz & Hieronymus s. n. (C), not *V. erithmifolia* as previously reported. La Pampa, Chicchi 287 (N), 264, in part (N); Cabrera 4362 (N), not *V. erithmifolia* as previously reported. La Rioja: Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33881] (N), not *V. erithmifolia* as previously reported; with blue flowers, Famatina, alt. 1620 m, dept. Famatina, February 4, 1942, T. Meyer 4286 (N), as *V. erithmifolia*. Río Negro: Scala 11 (N), not *V. erithmifolia* as previously reported. San Luis: San José de Morro, January 3, 1892, Kuntze s. n. (N, N), not *V. erithmifolia* as previously reported.

Verbena Hunzikeri Moldenke — ARGENTINA: Tucumán: in alder formations along the road between Alto del Clavillo

and Alpachiri, September 18, 1946, Hunziker 6812 (N-type).

Verbena incisa Hook. — ARGENTINA: Catamarca: El Candado, dept. Andalgalá, November 5, 1915, Jörgensen 1028 [Herb. Inst. Miguel Lillo 31350] (Au), det. as *V. chamaedrifolia* Juss. Chaco: Las Palmas, alt. 55 m, October 1917, Jörgensen 2466 [Herb. Inst. Miguel Lillo 31375] (N), det. as *V. chamaedrifolia*. URUGUAY: on barren hilltops with flat outcrops near Rivera, dept. Rivera, December 7, 1943, H. H. Bartlett 21096 (W); Paso Santillán del Cololó, dept. Soriano, September 30, 1895, Osten 3196 (Ug), so det.

Verbena intermedia Gill. & Hook. — Literature: Rossengurtt, *Estud. Prad. Nat. Urug.* 3 : 235. 1943. — ARGENTINA: Buenos Aires: Sierra Baya, May 1923, Hauman s. n. (Br), so det.; rather frequent on railroad embankments, the corolla-tube clear-purple on its lower half, the rest white, Trenque Lauquen, alt. about 100 m., partido Trenque Lauquen, January 5, 1944, Hunziker 4003 (N). URUGUAY: with violet flowers, Penitente-Salso, dept. Minas, March 18-19, 1924, Herter s. n. [Herb. Osten 17032] (Ug), so det.; Sierra Aceguá, dept. Cerro Largo, end of Juanary 1926, Herter s. n. [Herb. Osten 18499 a] (Ug.), so det.; growing with *V. bonariensis* and « perhaps a form or hybrid? », Colón, dept. Montevideo, January 15, 1899, Osten 3661 (Ug), det. as *V. bonariensis* var. *brevibracteata*; in grassy places, with violet flowers, Villasboas, dept. Durazno, November 7, 1899, Osten 3947 (Ug), so det.; with violet flowers, dept. Tacuarembó, March 19, 1913, Osten 6567 (Ug), so det.; with violet flowers, in rocky hills, Sierra Animas, dept. Maldonado, November 27, 1932, Osten 22650 a (Ug), so det.; on dunes, Atlántida, dept. Canelones, January 31, 1930, Osten 21868 (Ug), so det.

Verbena litoralis H. B. K. — ARGENTINA: Buenos Aires: in wet meadows. Rincón de Nuario, between Verónica and Monte Veloz, February 12, 1931, Cabrera 1657 [Herb. Os-

ten 22285] (Ug), det. by Osten as « *V. littoralis* f. *pyenos-tachya* Schau. »; Buenos Aires, Née 115, in part (Q). Tucumán: Cochuna: dept. Chigasaki, March 4, 1941, O'Donell 68 [Herb. Inst. Miguel Lillo 36202] (N), det. as « *V. littoralis* H. B. K. ». CHILE: Coquimbo: in the neighborhood of Coquimbo, Miss Field s. n. (Br), det. as « *V. stricta* ? ». Province undetermined: C. Gay 794 (Br), det. as « *V. littoralis* Kunth ». URUGUAY: in marsh, Santa Elena, Juan Jackson, Soriano, March 12, 1944, Gallinal, Aragone, Bergalli & Rosengurtt PE. 5483 (N); Cerro Largo, Palleros, Estancia Gallinal, at the end of January 1926, Herter s. n. [Herb. Osten 18489] (Ug), det. as « *V. littoralis* Kunth »; Nuevo Palmira, on the banks of the Río Uruguay, dept. Colonia, at the beginning of April 1926, Herter s. n. [Herb. Osten 19034] (Ug), det. as « *V. littoralis* Kunth »; Palleros, Estancia Gallinal, dept. Cerro Largo, at the end of January 1926, Herter s. n. [Herb. Osten 18491] (Ug), det. as « *Verbena* cf. *caracasana* H. B. K. »; Palleros, Estancia Gallinal, dept. Cerro Largo, at the end of January 1926, Herter s. n. [Herb. Osten 18497] (Ug), det. as « *Verbena littoralis* Kth. ad *V. bonariensem* L. spec-tans » by Osten; Maná, on the shores of the Río Negro, dept. Mercedes, February 3, 1889, Osten 2830 (Ug), det. as « *V. littoralis* Kth. »; Dayman, dept. Salto, October 18, 1896, Osten 3335 (Ug), det. as « *V. littoralis* Kth. »; with pale-violet flowers, in meadows near Pando, January 13, 1907, dept. Canelones. Osten 4646 (Ug), so det.

Verbena marrubiooides Cham. — ARGENTINA: Córdoba: around the Villa of Santa Ana in Córdoba, November 1, 1876, Hieronymus 7558 (Br), det. as « *V. erinoides* L. » URUGUAY: with violet flowers, Valle Edén, alt. about 150 m, dept. Tacuarembó, September 1928, Herter s. n. [Herb. Osten 20414] (Ug), det. as *V. humifusa* Cham.; in sunny dry rocky campo, alt. 100-200 m, Catalan, dept. Artigas, November 27, Herter 1000 [Herb. Herter 82763; Herb. Osten 22625] (Ug), det. as *V. humifusa*; with violet flowers, Cuaró, dept. Artigas, September 27, 1894, Osten 3133

(Ug), det. by Osten as « aff. *V. teucrioides* sed fl. violaceis; cf. *humifusa* ? differt a diagnosi in DC. XI, 538 caulinibus tetragonis nec teretiusculis, calyce glanduloso (nec sub-glanduloso), corolla extus glabra nec pubescente ».

Verbena megapotamica Spreng. — ARGENTINA: Buenos Aires: on Isla Santiago, 1893, Lefebre s. n. (Br). URUGUAY: Colonia, southern Uruguay, January 1909, Mrs. O. C. James s. n. (Du), det. as « *Lantana* sp. ».

Verbena microphylla H. B. K. — ARGENTINA: Jujuy: with bluish white flowers, Quebrada de Salitro, dept. Yavi, February 23, 1940, T. Meyer s. n. [Herb. Inst. Miguel Lillo 34401] (N). — The Peirano s. n. [Herb. Inst. Miguel Lillo 32849] previously reported as this species, is actually *V. dissecta* Willd.

Verbena Neei Moldenke — ARGENTINA: Buenos Aires: Née 108 (F-photo of type, N-isotype, N-photo of type, Q-type, Z photo of type).

Verbena Osteni Moldenke — URUGUAY: growing with parent species, Coquimbo, dept. Soriano, November 16, 1894, Osten 3177, in part (N-isotype, Ug-type), det. as « *V. teucrioides* × *chamaedryfolia* ».

Verbena peruviana (L.) Britton — ARGENTINA: Córdoba: with red flowers, Córdoba, January 1940, Valencia s. n. [Herb. Inst. Bot. Darwinion 16065] (N), det. as « *V. peruviana* (L.) Briq. ». URUGUAY: Née 19 (Q); Montevideo, Née 117 (Q), det. by Parodi as « *V. chamaedrifolia* Juss. »; with purple-cinnebar flowers, Cuatro Hermanos, dept. Minas, March 21, 1924, Herter s. n. [Herb. Osten 16986] (Ug), det. by Herter as *V. erinoides* and by Osten as *V. chamaedrifolia*; Estancia Gallinal, Palleros, dept. Cerro Largo, end of January 1926, Herter s. n. [Herb. Osten 18493] (Ug), det. as « *V. chamaedrifolia* »; Coquimbo, dept. Soriano, November 16, 1924, Osten 3177, in part (Ug); in stony places, mixed with *V. pulchella*, Porongos, Bajo de la

Escuela, dept. Flores, October 10, 1898, Osten 3523, in part (Ug); Osten 3523b (Ug), det. as «*V. chamaedryfolia*»; dept. Montevideo, October 2, 1900, Osten 4195 (Ug), det. as «*V. chamaedryfolia*»; Los Altos de Perdido, November 25, 1935, dept. Soriano, Osten 3224 (Ug), first det. as «*V. phlogiflora* var. *vulgaris* Schau.» and then as «*V. chamaedryfolia* var. *melindres* (Gill.) Schau.»; Balneario Solís, dept. Maldonado, October 24, 1915, Osten 7792 (Ug), det. as *V. chamaedryfolia* var. *melindres*; Pando, dept. Canelones, October 22, 1916, Osten 8711 (Ug), det. as *V. chamaedryfolia* var. *melindres*; in grassy places, Carrasco, dept. Montevideo, November 24, 1912, Osten 6387 (Ug), det. as *V. chamaedryfolia* var. *melindres*; along roadsides, with scarlet flowers, Porongos, dept. Flores, September 3, 1899, Osten 3776 (Ug), det. as *V. chamaedryfolia* var. *melindres*.

Verbena peruviana f. rosea Moldenke — URUGUAY: with rose [Saccardo n° 17] flowers, Arroyo Grande, dept. Soriano, October 3, 1895, Osten 3197 (Ug-type), det. by Osten as «*V. chamaedryfolia* var. *melindres* f. *siccanea lusus roseiflora* Osten» and as «*V. chamaedryfolia* var. *rosea* Osten».

Verbena phlogiflora Cham. — ARGENTINA: Buenos Aires: with violet flowers, Punta Lara, January 1, 1947, Rentzell s.n. [Herb. Inst. Bot. Darwinion 16063] (N), so det. Misiones: annual herb, 40-70 cm tall, with very showy violet-lilac flowers, in high places in ravines, Santa Ana, dept. Candelaria, January 10, 1946, Montes 1747 [5] (N, Si), called «margarita», used for ornament by the local inhabitants; with violet flowers, Gisela, dept. San Ignacio, March 1, 1946, Sahway 2127 (N). URUGUAY: with violet flowers, San Antonio, dept. Salto, March 22, 1910, Osten 5389 (Ug), so det.

Verbena platensis Spreng. — ARGENTINA: Buenos Aires: abundant, Sierra de la Ventana, alt. 800 m, January 1924, Hauman s. n. (Br), det. as *V. teucrioides* Gill. & Hook.;

with white flowers, common, Sierra de Tandil, December 1905, Hauman s. n. (Br), so det. Córdoba: on hillsides, Casa Bamba, October 27, 1946, Hunziker 7033 (N). Salta: with white flowers, Sierra del Castillejo, alt. 1800 m, dept. La Candelaria, November 7, 1931, Schreiter 6620 [Herb. Inst. Miguel Lillo 32820] (N), det. as «*V. teucrioides* Gill.» URUGUAY: Née 78 (Q), 93 (Q); in dry sandy rocky soil, exposed to the sun, along roadsides, Abra Perdomo, dept. Maldonado, October 12, 1929, Herter 85298 [Herb. Osten 22635] (Ug), det. as «*V. teucrioides* Gill.»; Santa Clara, October 2, 1926, Herter s. n. [Herb. Osten 17188] (Ug), det. as *V. teucrioides*; Coquimbo, dept. Soriano, November 16, 1894, Osten 3177, in part (Ug); Mosquitos, Piedra del Afilar, dept. Canelones, November 2, 1928, Osten 20080 (Ug).

Verbena pulchella Sweet — ARGENTINA: Buenos Aires: with lilac corollas, rather frequent, Sierra Larga Balcarce, partido Balcarce, October 12-25, 1943, Hunziker 4539 (N); in the barrancas of the Río Paraná, Las Palmas, partido General Uriburu, October 13, 1946, Krapovickas 3086 (N). URUGUAY: on the campos of La Paz, with blue flowers, Canelones, October 1937, Lombardo 2786 (N), det. as «*V. dissecta* Willd. ?»; Montevideo, Née 83 (Q); Porongos, dept. Flores, October 4, 1896, Osten 3305 (Ug), det. as «*V. erinoides* Lam.»; Santa Isabel on the Río Negro, dept. Tacuarembó, February 28, 1922, Schröder s. n. [Herb. Osten 16546, in part] (Ug); Rincón del Yi, alt. 200 m, dept. Florida, September 30, 1926, Herter s. n. [Herb. Osten 19204] (Ug), det. as *V. erinoides*; in stony places, Porongos, Bajo de la Escuela, dep. Flores, October 10, 1898, Osten 3523, in part (Ug), det. first as *V. erinoides* and then as «*V. chamaedryfolia* × *erinoides* Osten»; with violet flowers, Barra Santa Lucía, dept. San José, December 18, 1930, Osten 22096 (Ug); Santa Lucía, dept. San José, October 14, 1930, Osten 22006 (Ug), det. as *V. dissecta*; in rocky places, with violet flowers, Punta Brava, dept. Montevideo, October 22, 1899, Osten 3923 (Ug), det. as *V. dissecta*;

with violet flowers, fragrant, Cerros de Marincho, dept. Flores, October 6, 1896, Osten 3313 (Ug); with fragrant violet flowers, Cerros de Marincho, dept. Flores, October 6, 1896, Osten 3315 (Ug); on dunes, Río San Juan, dept. Colonia, November 21, 1934, Cabrera 3226 (Ug), det. by Osten as *V. dissecta*; with inodorous violet flowers, in fields near Barra Santa Lucía, dept. San José, December 19, 1918, Osten 14676 (Ug); with violet flowers, on seashores of Isla Gorriti, dept. Maldonado, January 14, 1900, Osten 4041 (Ug); with violet-colored vanilla-odorous flowers, Cuaró, dept. Artigas, October 1, 1894, Osten 3112 (Ug), det. as *V. erinoides*; with violet-colored flowers, Duraznito, dept. Soriano, October 1, 1896, Osten 3316 (Ug), det. as *V. erinoides*.

Verbena rigida Spreng. — URUGUAY: with rose-violet flowers, campos of the Prado, Montevideo, November 1925, Lombardo 442 (N), det. as *V. venosa*; Montevideo, November 1922, Hauman s. n. (Br); with blue-violet flowers, in rocky thickets, Verdun, dept. Minas, November 2, 1921, Osten 16049 (Ug), det. as *V. venosa*; in shady places on rocky, hills, Sierra Animas, Solís, dept. Maldonado, November 20-24, 1917, Osten 11637 (Ug), det. as «*V. venosa* f. *umbrosa* Osten»; near Piriápolis, Cerro Inglés, dept. Maldonado, February 7, 1910, Tappen s. n. [Herb. Osten 5302] (Ug), det. by Osten as «*V. venosa* Gill.».

Verbena rigida var. **obovata** (Hayek) Moldenke — URUGUAY: with violet flowers, dept. Tacuarembó, March 19, 1913, in Osten 6569 (Ug), det. as *V. venosa* Gill. & Hook.; in thickets, with red violet flowers, near Piriápolis, Cerro del Toro, dept. Maldonado, March 30, 1911, Osten s. n. (Ug), det. as *V. venosa*.

Verbena rigida var. **Reineckii** (Briq.) Moldenke — PARAGUAY: 70 cm tall, with blue flowers, in swamps, Uvueno, December 1932, Jörgensen 3774 (Du), det. as *V. bonariensis* var. *longibracteata* Kuntze; 1 m tall, with blue petals, common on the campo, Villarica, November 1932, Jörgensen 3770 (N), det. as *V. venosa*.

Vitex cymosa Bert. — BOLIVIA: El Beni: tree 3-5 m tall, called «taruma», with blue flowers and edible fruit, in savanna, alt. 200 m, Cárdenas 3527 (N), det. as «*V. pseudolea* Rusby?».

Vitex montevidensis Cham. — ARGENTINA: Misiones: Bonpland, Posadas, January 1908, Ekman 1976 (S); in thickets at La Granja, Posadas, November 17, 1907, Ekman 1977 (S), so det.

LAMIACEAE

(determinations by Carl Epling)

Scutellaria platensis Speg. — ARGENTINA: Buenos Aires: Punta Lara, partido de La Plata, October 28, 1939, A. L. Cabrera 5398 (N), so det.

Scutellaria racemosa Pers. — ARGENTINA: Santiago del Estero: Turena, dept. Robles, October 5, 1939, R. Maldonado B. 171 (N).

ERIOCAULACEAE

Eriocaulon Arechavaletae Herter — URUGUAY: Bañados de Pando, Canelones, December 1926, Lombardo 5015 (N), so det.

Eriocaulon modestum Kunth — URUGUAY: frequent in swamps, Arroyo Sarandí, along the Río La Plata, northeast of Costa Azul, Canelones, February 1942, Rosengurtt B. 3900 (N); common in wet sand, Bañados de Olmos, Canelones, March 7, 1937, Rosengurtt B. 1213 (N).

Eriocaulon Steinbachii (Moldenke) Moldenke — BOLIVIA: Santa Cruz: Steinbach 2669 [Herb. Inst. Miguel Lillo 50111] (N-type), not *Paepalanthus Steinbachii* as previously reported.

Leiothrix Arechavaletae Ruhl. — URUGUAY: common in wet depressions between dunes, on the banks of the Río de la

Plata, Lasala, Canelones, February 12, 1937, Rosengurtt B. 1103 (N); Bañados de Carrasco, Montevideo, January 1938, Lombardo 3436 (N), det. as *Paepalanthus Arechavaletae* Ruhl.

Paepalanthus Steinbachii Moldenke — The correct name for this species is *Eriocaulon Steinbachii*; see above.

Syngonanthus caulescens (Poir.) Ruhl. — BOLIVIA: Santa Cruz: entire plant greenish-white, on banks of lakes and in swamps, Buena Vista, alt. 800 m, March 25, 1921, J. Steinbach 5446 (N, N). PARAGUAY: in swamp near Estero Tucanguá, September 1885-1895, E. Hassler 1061 (N, N); Jörgensen 3723a (N), mixed with *Calpidisca* sp.

Syngonanthus Fischerianus (Bong.) Ruhl. — BOLIVIA: Santa Cruz: in company with following numbers, flowers white and papery, in swampy fields, alt. 800 m, Buena Vista, Sara, March 31, 1921, J. Steinbach 5507 (N, N).

ALSTROEMERIACEAE

(determinations by E. P. Killip)

Alstroemeria aurantiaca D. Don — ARGENTINA: Neuquén: road to Lago Espejo, January 10, 1935, A. L. Cabrera & M. M. Job 188 (N). Río Negro: Puerto Moreno, Lago Nahuel Huapí, March 17, 1939, R. Maldonado B. 52 (N).

Alstroemeria sp. efr. **A. oreas** Schau. — CHILE: Curicó: Hacienda Monte Grande, alt. 1000 m, December 1924, E. Werdermann 1696 (N).

Alstroemeria venustula Phil. — CHILE: Atacama: Cor. Co. Pulido, alt. about 3500 m, dept. Copiapo, January 1926, E. Werdermann 958 (N).

Bomarea macrophylla Schenk — ARGENTINA: Salta: Campo Quijano, alt. 1200 m, dept. Rosario de Lerma, January 28, 1941, T. Meyer 3855 [Herb. Inst. Miguel Lillo 17404] (N).

JUNCACEAE

(determinations by C. A. Weatherby)

Juncus acutus L. — ARGENTINA: Tucumán: in a marsh, El Bañado, alt. 1650 m, dept. Tafí, May 1, 1926, S. Venturi 4369 (N).

Juncus acutus var. **Leopoldii** (Parl.) Buch. — ARGENTINA: Buenos Aires: near marshy ground along banks of the Río de la Plata, Punta Piedras, May 1, 1931, A. L. Cabrera 1738 (N), so det.; in wet depressions in dunes, part. Juancho, January 11, 1933, A. L. Cabrera 2685 (N), so det.; Monte Hermoso, 1916, E. Carette s. n. (N).

Juncus balticus Willd. — ARGENTINA: Chubut: called «junkillo», Cañadón Grande, Vuelta del Senguer, November 5, 1927, A. L. Cabrera 20 (N). Jujuy: frequent along railroads, Humahuaca, alt. 2931 m, dept. Humahuaca, February 7, 1941, A. T. Hunziker 1308 (N); used for forage, Yavi Chico, alt. 3420 m, dept. Yavi, March 7, 1940, T. Meyer s. n. [Herb. Inst. Miguel Lillo 33293] (N). Mendoza: 1916, E. Carette s. n. (N). Santa Cruz: Cañadón de las Vacas, Beaufils s. n. (N), so det. also by Rodrigo.

Juncus bufonius L. — ARGENTINA: Buenos Aires: pastures near Magdalena, October 25, 1936, M. M. Job 1365 (N), det. as *J. Buffonius*.

Juncus cyperoides Laharpe — ARGENTINA: Tucumán: Santa Rosa, alt. 3600 m, dept. Chivilcoy, January 1927, S. Venturi 4768 (N).

Juncus densiflorus H. B. K. — ARGENTINA: Buenos Aires: Canal Guazú, Delta, November 1925, A. C. Scala s. n. (N).

Juncus dichotomus Ell. — ARGENTINA: Buenos Aires: near the Río de la Plata, Isla Santiago, March 19, 1931, A. L. Cabrera 1677 (N), so det.; Delta, Río Chaná, January 1914, A. C. Scala 69 (N); Paraná de las Palmas and Canal

Arias, Delta, January 18, 1931, A. L. Cabrera 1619 (N), so det. Santa Fe: along the old canal from Santa Fe to Colastiné, Río Paraná, January-February 1936, M. M. Job 742 (N), determined with a question.

Juncus Dombeyanus Gay — ARGENTINA: Buenos Aires: in wet depressions in dunes, Juancho, January 15, 1933, A. L. Cabrera 2733 (N), so det.

Juncus imbricatus Laharpe — ARGENTINA: Buenos Aires: in waste ground, Juan Gerónimo, Monte Veloz, November 12, 1931, A. L. Cabrera 1892 (N); in meadow, City Bell, near the Río de la Plata, November 4, 1932, A. L. Cabrera 2454 (N); Lobería, February 1918, N. Alboff & A. C. Scala s. n. (N), «probably» this species.

Juncus microcephalus H. B. K. — ARGENTINA: Buenos Aires: on shores of the Río de la Plata, Isla Santiago, October 7, 1932, A. L. Cabrera 2269 (N); in salt meadows Juan Gerónimo, Monte Veloz, banks of the Río de la Plata, November 10, 1931, A. L. Cabrera 1859 (N); eastern slope of the Arroyo Alfalfa Grande, Sierra de Cura-malal, November 16, 1928, A. C. Scala s. n. (N, N); Canal Guazú, Delta, November 1925, A. C. Scala s. n. (N). Corrientes: toward the north in the vicinity of Mercedes, November 1936, A. P. Rodrigo 824 (N).

Juncus microcephalus var. *floribundus* Kunth — ARGENTINA: Buenos Aires: in low wet ground between dunes, Juancho, January 15, 1933, A. L. Cabrera 2725 (N), so det.; Punta Lara, partido de La Plata, January 4, 1940, G. Dawson 941 (N).

Juncus scirpoides var. *meridionalis* Buchen. — ARGENTINA: Buenos Aires: in ponds between the dunes, Juancho, January 11, 1933, A. L. Cabrera 2687 (N), det. by Cabrera as *J. densiflorus* var. *Pohlia* (Steud.) Buchen.

Juncus stipulatus Nees & Meyen — ARGENTINA: Río Negro: Bariloche, on shore of Lake Nahuel Huapi, May 1935, A. L. Cabrera & M. M. Job 103 (N), «mixed with some grass».

Juncus tenuis Willd. — ARGENTINA: Buenos Aires: Punta Lara, partido de La Plata, November 11, 1940, G. Dawson 1004 (N).

Juncus Venturianus Castillón — ARGENTINA: Salta: along sides of railroad tracks, Alemanía, alt. 1300 m, Guachipas, December 6, 1929, S. Venturi 9863 (N) «possibly *J. Venturianus* Castillón, which I do not clearly make out. — Weatherby».

Luzula alopecurus Desv. — ARGENTINA: Buenos Aires: Cerro de la Ventana, Sierra de la Ventana, partido Tornquist, November 9, 1938, A. L. Cabrera 4722 (N); Sierra de la Ventana, N. Alboff 261 (N); Lago Fontana, 1896, J. Kozlowsky s. n. (N), so det. also by Rodrigo; environs of Punta Arena, February 25, 1897, N. Alboff 71 (N).

CYPERACEAE

(determinations by H. K. Svenson)

Androtrichum montevidensis (Link) Barros — URUGUAY: abundant on seashore dunes, Cabo Santa María, dept. Rocha, February 6, 1938, Rosengurtt B. 2467 (N), so det. also by Barros.

Bulbostylis capillaris Kunth — URUGUAY: on grassy slopes of Ba parcels, Palleros, Río Negro, Cerro Largo, December 1937, Gallinal, Aragone, Bergalli, Campal & Rosengurtt PE. 1404 (N), so det. also by Barros.

Bulbostylis juncoidea var. *ampliceps* Kükenth. — URUGUAY: sparse on rocky grassy slopes, Cerro de las Cuentas, Cerro Largo, February 23, 1938, Rosengurtt B. 2537 (N), so det. also by Barros.

Carex bonariensis var. **achalensis** Kurtz — URUGUAY: common on bañados, San Antonio, Salto, February 2, 1937, Rosengurtt B. 1077 (N), so det. also by Barros.

Carex bonariensis var. **trachycystis** Kükenth. — URUGUAY: common in fertile turf, Flores, Río Tí and Arroyo Mariucho, July 10, 1937, Rosengurtt B. 2026 (N), so det. also by Barros.

Carex Brongniartii Kunth — URUGUAY: in swampy places, parcela Ac, Palleros, Río Negro, Cerro Largo, December 1937, Gallinal, Aragone, Bergalli, Campal & Rosengurtt PE. 1669 (N), so det. also by Barros.

Carex sp. aff. **C. Brongniartii** Kunth — ARGENTINA: Buenos Aires: Pigüé, Sierra Bravard Aryos 7 & 8, November 8, 1928, A. C. Scala s. n. (N).

Carex canescens L. — ARGENTINA: Río Negro: Cerro López, Mallines, alt. 1500 m, January 15, 1935, A. L. Cabrera & M. M. Job 336 (N).

Carex sp. aff. **C. Gayana** Desv. — ARGENTINA: Chubut: in wet fields near the river, Angostura del Río Senguer, southern Chubut, November 4, 1927, A. L. Cabrera 9 (N).

Carex Goodenoughii Gay — ARGENTINA: Río Negro: Paso de las Nubes, region of Lago Nahuel Huapí, February 5, 1940, A. L. Cabrera 5901 (N).

Carex leporina L. — URUGUAY: rare in swamps, plants isolated, not forming mats, Cerro de las Cuentas, Cerro Largo, December 29, 1938, Rosengurtt B. 2767 (N), so det. also by Barros.

Carex Macloviana d'Urv. — ARGENTINA: in woods, Río Santa María, Tierra del Fuego, March 7, 1897, N. Alboff 314 (N), det. by Rodrigo as « *Scirpus* sp. ».

Carex magellanica Lam. — ARGENTINA: Río Negro: Puerto Blest, January 12, 1935, A. L. Cabrera & M. M. Job 287 (N).

Carex marcida Boott — URUGUAY: in inundated maritime places, Pajas Blancas, Montevideo, September 26, 1937, Rosengurtt B. 2022 (N), so det. also by Barros.

Carex riparia var. **chilensis** Kükenth. — URUGUAY: in swampy places, Santa Elena, Juan Jackson, Soriano, December 1936, Gallinal, Aragone, Bergalli, Campal & Rosengurtt G. 1208 (N), so det. also by Barros.

Carex Sellowiana Kunth — URUGUAY: in the wet shady forest, Cerro Arequita, Minas, October 3, 1937, Rosengurtt A. 1349 (N), so det. also by Barros.

Carex sororia Kunth — URUGUAY: on grassy slopes, San Pedro, Cerro Colorado, dept. Florida, December 1936, Gallinal, Aragone, Bergalli, Campal & Rosengurtt B. 758 (N), so det. also by Barros.

Carex sp. aff. **C. sororia** Kunth — ARGENTINA: Buenos Aires: Tandil, partido Tandil, November 22, 1940, A. L. Cabrera 6866 (N).

Carpha alpina var. **schoenoides** (Banks & Soland.) Kükenth. — ARGENTINA: Bahía Thetis, Tierra del Fuego, March 1941, A. C. Umana 144 (N).

Eleocharis bonariensis Nees — ARGENTINA: Buenos Aires: Punta Lara, partido La Plata, November 11, 1940, G. Dawson 992 (N). URUGUAY: common in bañado, Agronomía, dept. Paysandú, November 7, 1937, Rosengurtt B. 2196 (N), det. by Barros as « *Heleocharis bonariensis* Nees ».

Eleocharis dunensis Kükenth. — URUGUAY: in maritime sand, Lasala, dept. Canelones, February 12, 1937, Rosengurtt

B. 1112 (N), det. by Barros as «*Heleocharis pachycarpa* Desv.», «a form with nearly smooth achenes» ... Svenson; in swampy fields, Santa Clara, Timote, dept. Florida, December 1937, Gallinal, Aragone, Bergalli, Campal and Rosengurtt B. 833 (N), det. by Barros as «*Heleocharis dunensis* Kük.».

Eleocharis elegans (L.) Roem. & Schult. — URUGUAY: in swamps, Palleros, Río Negro, dept. Cerro Largo, January 1941, Gallinal, Aragone, Bergalli, Campal and Rosengurtt PE. 4790 (N), det. by Barros as «*Heleocharis elegans*.».

Eleocharis geniculata (L.) R. Br. — ARGENTINA: Salta: km 1317 from Embarcación, dept. Orán, alt. 280 m, February 22, 1940, Schreiter 10983 [Herb. Inst. Miguel Lillo 33279] (N).

Eleocharis Haumaniana Barros — URUGUAY: in marshy places on sand-banks of the arroyo of Canelón Grande, dept. Canelones, October 18, 1936, Rosengurtt B. 339 (N), so det. also by Barros.

Eleocharis macrostachya Britton — ARGENTINA: Buenos Aires: Gonnet, Partido La Plata, October 4, 1939, G. Dawson 735 (N). Río Negro: found on the shore of a lake, Allen, February 1939, A. T. Hunziker 13 (N). URUGUAY: in swampy fields, Santa Clara, Timote, dept. Florida, December 1936, Gallinal, Aragone, Bergalli, Campal & Rosengurtt B. 834 (N), det. by Barros as «*Heleocharis palustris* (L.) R. Br.».

Eleocharis montevidensis Kunth — URUGUAY: gregarious in maritime swamps, Pajas Blancas, dept. Montevideo, September 26, 1937, Rosengurtt B. 2137 (N), det. by Barros as *Heleocharis montervidensis*.

Eleocharis nodulosa (Roth) Roem. & Schult. — ARGENTINA: Chaco: in mats, Campo Bonazzola, Enrique Urien, November 1940, A. P. Rodrigo 2501 (N, N). URUGUAY: common

in swamps. Río Tí and Arroyo Matanzas, dept. Flores, November 25, 1936, Rosengurtt B. 629 (N), det. by Barros as «*Heleocharis nodulosa* (Roth) Schult.»; in glades, San Pedro, Cerro Colorado, dept. Florida, December 1936, Gallinal, Aragone, Bergalli, Campall & Rossengurtt B. 727 (N, N), det. by Barros as «*Heleocharis nodulosa* (Roth) Schult.»; Monzón-Heber, Juan Jackson, dept. Soriano, March 1940, Gallinal, Aragone, Bergalli, Campal & Rosengurtt PE. 4356 (N), det. by Barros as «*Heleocharis nodulosa* (Roth) Schult.».

Eleocharis Parodii Barros — URUGUAY: gregarious in swamps, Agronomía, dept. Paysandú, November 7, 1937, Rosengurtt B. 2199 (N), det. by Barros as «*Heleocharis Parodii*».

Fimbristylis annua (All.) Roem. & Schult. — ARGENTINA: Jujuy: Quebrada Yala, dept. Capital, January 29, 1940, Schreiter 10954 [Herb. Inst. Miguel Lillo 33289] (N).

Rhynchospora corymbosa var. **bonariensis** Barros — ARGENTINA: Buenos Aires: in front of Recreo Tiburón, Río Carabelas, Delta, November 1925, A. C. Scala s. n. (N); Punta Lara, partido de La Plata, January 4, 1940, G. Dawson 934 (N).

Rhynchospora corymbosa var. **chacoensis** Barros — ARGENTINA: Corrientes: plants 1 m tall, bañados of Ayui, 12 leagues north of Mercedes, November 1936, A. P. Rodrigo 749 (N).

Rhynchospora Legrandii Kükenth. — ARGENTINA: Buenos Aires: Lago Mini, Delta, January 1914, A. C. Scala 55 (N).

Rhynchospora marisculus Nees — URUGUAY: common in glens, Cerro de la Cuenta, dept. Cerro Largo, February 23, 1938, Rosengurtt B. 2534 (N), so det. also by Barros.

Rhynchospora Pringlei Greenm. — ARGENTINA: Santa Fe: along the highway from Reconquista to Nicanor Molinas, January-February 1936, M. M. Job 869 (N, N).

Rhynchospora rostrata Lindm. — ARGENTINA: Buenos Aires: Paraná de Las Palmas and Cruz Colorada, delta del Paraná, November 27, 1931, A. L. Cabrera 1992 (N); along the la Plata river, Isla Santiago, August 26, 1934, A. L. Cabrera 3274 (N).

Schoenus rhynchosporoides (Steud.) Kükenth — ARGENTINA: Río Negro: Puerto Blest, January 12, 1935, A. L. Cabrera & M. M. Job 297 (N).

Scirpus asper Presl — ARGENTINA: Catamarca: El Chonal, dept. Ancasti, January 29, 1941, Rojas Paz 20 [Herb. Inst. Miguel Lillo 37363] (N).

Scirpus giganteus Kunth — ARGENTINA: Buenos Aires: on shores of the Río de la Plata, Isla Santiago, September 27, 1931, A. L. Cabrera 1761 (N).

Scirpus riparius Presl — ARGENTINA: Buenos Aires: playa, Punta Lara, November 15, 1940, A. L. Cabrera 6798 (N), det. as *S. californicus*. Chaco: bañados, Campo Bonazzola, Enrique Urien, dept. Tapenaga, November 1940, A. P. Rodrigo 2434 (N, N), det. as *S. californicus*.