

CONTRIBUTIONS TO THE FLORA OF EXTRA-TROPICAL SOUTH AMERICA

IX

BY HAROLD N. MOLDENKE

(U. S. A.)

The present paper is a continuation of my series of « Contributions » in *Lilloa* and *Holmbergia*. Abbreviations used for the names of herbaria are the same as those used and explained in the previous installments, with the following additions : Bt=Butler University, Indianapolis, Indiana; Cm=Carnegie Museum, Pittsburgh, Pennsylvania; Du=Dudley Herbarium, Stanford University, California; H=Duke University, Durham, North Carolina; He=W. G. Herter Herbarium, Montevideo, Uruguay; Ka=Kansas State College, Manhattan, Kansas; Ml=Instituto Miguel Lillo, Tucumán; and Vt=University of Vermont, Burlington, Vermont.

POLYGALACEAE

(determinations by R. Ferreyra)

Monnina pumila Ferreyra — ARGENTINA : Jujuy : viscid, on a rubbish pile, Humahuaca, alt. 3000 m, Cerro de Caspala, March 23, 1929, S. Venturi 8621 (N-isotype, N-isotype).

ZYGOPHYLLACEAE

(determinations by J. V. Monachino)

Larrea cuneifolia Cav. — ARGENTINA: Mendoza: in the vicinity of Mendoza, September 1, 1915, J. N. Rose et P. G. Russell 20985 (N); Potrerillos, Mendoza, September 2, 1915, J. N. Rose et P. G. Russell 20993, in part (N), mixed with *L. divaricata*.

Larrea divaricata Cav. — ARGENTINA: Mendoza: Potrerillos, Mendoza, September 2, 1915, J. N. Rose et P. G. Russell 20993, in part (N), mixed with *L. cuneifolia*; in the vicinity of Mendoza, September 1, 1915, J. N. Rose et P. G. Russell 20984 (N); Potrerillos, Mendoza, September 2, 1915, J. N. Rose et P. G. Russell 20995 (N). San Luis; in the vicinity of San Luis, August, 31, 1915, J. N. Rose et P. G. Russell 20968 (N).

Larrea nitida Cav. — ARGENTINA: Mendoza: Potrerillos, Mendoza, September, 2, 1915, J. N. Rose et P. G. Russell 20996 (N).

CARICACEAE

(determination by J. V. Monachino)

Carica quercifolia (St. Hil.) Solms — ARGENTINA: Chaco: shrub with greenish flowers, Campo Bonazzola, Enrique Urien, November, 1940, A. P. Rodrigo 2488 (N).

MALVACEAE

(determination by J. V. Monachino)

Gaya Gaudichaudiana St. Hil. — ARGENTINA: Córdoba: Unquillo, 1926, C. Bruch s. n. (N).

CAESALPINIACEAE

(determinations mostly by P. L. Ricker)

Caesalpinia exilifolia Griseb. — ARGENTINA: Salta: Valle de Cafayate, alt. 1800 m, January 8, 1914, D. Rodríguez 1250 (N), so det. also by Burkart. Tucumán: in saline ground, Valle de Santa María, alt. 1600 m, Tafí, May 8, 1926, S. Venturi 4253 (N).

Caesalpinia Gilliesii Wall. — ARGENTINA: Córdoba: Avenida Costanera, Cosquín, alt. 730 m, 80-120 cm tall, January-February, 1936, A. P. Rodrigo 237 (N), so det.; Unquillo, 1926, C. Bruch s. n. (N), as « *C. Gilliesii* (Hook.) ». Corrientes: towards the north in the vicinity of Mercedes, November, 1936, A. P. Rodrigo 804 (N), shrub with yellow flowers called « lagaña de perro », so det. Mendoza: Mendoza, 1916, E. Carette s. n. (N), so det. Río Negro: Río Colorado, January, 1916, A. C. Scala 8 (N), as « *C. Gilliesii* (Hook.) ». Salta: shrub 3 m tall, Coronel Moldes, alt. 1200 m, dept. La Viña, January 31, 1941, T. Meyer 3888 (N), as « *Cesalpinia Gilliesii* Wall »; shrub 2 m tall, Alemania, alt. 1170 m, dept. Guachipas, January 13, 1941, T. Meyer 3575 (N), so det. San Luis: Cuchi-Corral, January, 1933, M. A. Vignati 303 (N), as « *Caesalpinia Gilliesii* (Hook.) ». Santa Fe: El Tostado, Río Salado, January-February, 1936, M. M. Job 1086 (N), called « disciplina de monja », so det.

Caesalpinia melanocarpa Griseb. — ARGENTINA: Chaco: Villa Ángela, February 3, 1930, P. Boffa 4 (N), tree called « guayacán », so det.; Taco Pozo, July 9, 1933, A. L. Cabrera 3153 (N), called « guayacán ». Salta: tree 10 m tall, Pichanal, Orán, November 15, 1913, D. Rodríguez 1118 (N), so det. also by Burkart; tree 6 m tall, with yellow flowers, Alemania, alt. 1170 m, dept. Guachipas, January 14, 1941, T. Meyer 3574 (N), called « guayacán », so det.;

twisted tree 5-7 m tall, with sparse foliage and yellow flowers, along the highway from Reconquista to Nicanor Molinas, January-February, 1936, M. M. Job 896 (Ar, N), called « guayacán », so det.

Caesalpinia mimosifolia Griseb. — ARGENTINA: Catamarca: in the hills, Belén, February 27, 1929, A. L. Cabrera 1140 (N), so det. also by Burkart.

Caesalpinia praecox Ruiz et Pav. — ARGENTINA: Catamarca: Herb. Museo de La Plata s. n. (N), so det. also by Rodrigo.

Caesalpinia rubicunda (Vog.) Benth. — URUGUAY: on grassy slopes, with red flowers, Río Arapey and Arroyo Valentín, Salto, January 28, 1937, B. Rosengurtt B. 972 (N), so det. also by Burkart.

Caesalpinia trichocarpa Griseb. — ARGENTINA: Tucumán: in saline soil, alt. 1900 m, Río Managua, dept. Tafí, flowers orange, May 1, 1926, S. Venturi 4275 (N), so det.

Camptosenna rubicundum Hook. et Arn. — URUGUAY: common liana in small thickets along the Río Santa Lucia, Paso Pacha, Florida, with red flowers, February 25, 1940, B. Rosengurtt B. 3113 (N), so det.

Cassia aphylla Cav. — ARGENTINA: Buenos Aires: Patagonia, January 2, 1935, Cabrera et Job 5 (N); Estación N. Valle, January 28, 1939, A. Chicchi 29 (N), so det. Catamarca: slightly acrid, Tinogasta, March 15, 1898, G. F. Gerling s. n. (N), so det. also by Rodrigo; in the hills, Belén, February 26, 1929, A. L. Cabrera 1120 (N). Río Negro: barrancas of Gualicho, March 14, 1940, R. Maldonado 289 (N). San Luis: Alto Pencoso, February, 1914 Bruch et Carette s. n. (N), so det. also by Rodrigo; General Urquiza, March 4, 1939, M. A. Vignati 536 (N).

Cassia crassiramea Benth. — ARGENTINA: Salta: Guachipas, December 7, 1873, P. G. Lorentz et G. Hieronymus s. n. (N), so det.; Valle de Cafayate, alt. 2000 m, December 28, 1913, D. Rodríguez 1220 (N). Santiago del Estero: shrub with golden-yellow flowers, Pinto, October, 1892, O. Kuntze s. n. (N), so det. Tucumán: on the brow of a hill, flowers yellow, Las Orcas, alt. 2500 m, dep. Tafí, April 24, 1926, S. Venturi 4250 (N), called « retama ».

Cassia Hookeriana Gill. — ARGENTINA: Tucumán: Valle de Tafí, 1908, C. Bruch s. n. (N), so det.

Cassia latopétiolata Domb. ? — ARGENTINA: Salta: El Alisal, alt. 2800 m, Sierra del Cajón, January 11, 1914, D. Rodríguez 1284 (N).

Cassia occidentalis L. — ARGENTINA: Corrientes: on the banks of the Río Corrientes, December, 1936, A. P. Rodrigo 999 (N), called « faperiguá » and « café Bonpland ».

Cassia pubescens Jacq. ? — ARGENTINA: Córdoba: flowers yellow, Pan de Azúcar, alt. 1000-1200 m, Cosquín, January-February, 1936, A. P. Rodrigo 546 (N). Tucumán: shrub 1,5 m tall, with yellow flowers, El Puestito, alt. 700 m, dept. Burruyacu, December, 1928, S. Venturi 7681 (N), so det.

Cassia subulata Griseb. — ARGENTINA: Salta: Las Juntas, December, 15, 1896, C. Bruch s. n. (N), so det. also by Rodrigo.

Cassia tora L. — ARGENTINA: Salta: tree 3 m tall, with yellow flowers, Campo Quijano, alt. 1200 m, dept. Rosario de Lerma, January 23, 1941, T. Meyer 3558 (N).

Gleditschia amorphoides (Griseb.) Taub. — ARGENTINA: Chaco: tree 12-15 m tall, Fontana, T. Meyer 2 (N). Salta: tree 10 m tall, El Cedral, Orán, October 9, 1913, D. Rodríguez 1001 (N), so det.

Hoffmanseggia falcaria Cav. — ARGENTINA : Río Negro : along margin of Río Negro, Quinta Allen, February, 1939, A. T. Hunziker 110 d (N), so det. also by Burkart ; Río Negro, January, 1916, A. C. Scala 13 (N), so det.

Hoffmanseggia trifoliata Cav. — ARGENTINA : Santa Cruz : territory of Santa Cruz, Herb. Museo de La Plata s. n. (N), so det. by Rodrigo.

Parkinsonia aculeata L. — ARGENTINA : Buenos Aires : Punta Lara, Partido de La Plata, January 14, 1932, A. L. Cabrera 2011 (N), so det. Corrientes : on hill toward the north of Mercedes, tree, November, 1936, A. P. Rodrigo 800 (N), called « cina-cina », so det. ; in the vicinity of Mercedes, November, 1936, A. P. Rodrigo 685 (N), called « cina-cina », so det.

Peltophorum dubium (Spreng.) Taub. — ARGENTINA : Chaco : tree 20-25 m tall, Colonia Benítez, July, 1932, A. G. Schulz 5 (N), called « ibirá pitá », so det.

MIMOSACEAE

(determinations mostly by P. L. Ricker)

Acacia bonariensis Gill. — ARGENTINA : Buenos Aires : shrub 2-3 m tall, Elizalde, February 12, 1932, A. L. Cabrera 2046 (N), so det. ; along a small road, Partido de La Plata, March 26, 1938, A. P. Rodrigo 1096 (N), called « ñapindá », so det. Corrientes : in forests in the environs of the city of Corrientes, November 9, 1896, N. Alboff s. n. (N). Santa Fe : along the road from Reconquista to doctor Barros Pagos, January-February, 1936, M. M. Job 768 (N), as « *A. bonariensis* ». URUGUAY : among rocks on grassy slopes, Monzón-Heber, Juan Jackson, dept. Soriano, April 17, 1940, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 4320 (N), so det.

Acacia cavenia (Mol.) Gill. — ARGENTINA: Buenos Aires: Las Talas, Partido de La Plata, November 1, 1931, A. L. Cabrera 1826 (N), as «*A. cavenia* H. et A.». Córdoba: Unquillo, 1926, C. Bruch s. n. (N), as «*A. cavenia* H. et A.». Tucumán: shrub 3-4 m tall, La Cochá, dept. Graneros, February 23, 1941, T. Meyer 3897 [Herb. Inst. Miguel Lillo 35772] (N), so det. Isla Martín García, in woods along the Río de la Plata, October 1934, A. L. Cabrera 2913 (N), so det.

Acacia furcata Gill. — ARGENTINA: Mendoza: Mendoza, 1916, E. Carette s. n. (N). Salta: 3 m tall, with white flowers, Coronel Moldes, alt. 1100 m, January 31, 1941, T. Meyer 3552 [Herb. Inst. Miguel Lillo 35530] (N), so det.

Acacia lutea (Mill.) N. L. Britton — ARGENTINA: San Luis: Alto Pencoso, February, 1914, Bruch et Carette s. n. (N), so det. also by Rodrigo.

Acacia macracantha Humb. et Bonpl. — ARGENTINA: Salta: tree 7 m tall, Capital, alt. 1100 m, dept. Capital, January 8, 1941, T. Meyer 3572 [Herb. Inst. Miguel Lillo 35765] (N), called «tusca», so det. Tucumán: tree 5-7 m tall, La Cochá, alt. 450 m, dept. Graneros, February 23, 1941, T. Meyer 3896 [Herb. Inst. Miguel Lillo 35771] (N), called «tusca», so det.

Acacia platensis Mang. — ARGENTINA: Salta: Las Juntas, December 15, 1896, C. Bruch s. n. (N), det. by Rodrigo as «*Acacia vestite* Griseb. = *A. platensis* Mang.».

Calliandra brevicaulis Micheli — PARAGUAY: along the highway between Carmen and Cangó, December 2, 1899, N. Alboff s. n. (N).

Calliandra parvifolia (Hook. et Arn.) Speg. — ARGENTINA: Buenos Aires: shrub 2 m tall, with white and pink stamens, between Buenos Aires and La Plata, Partido de La Plata, December 7, 1930, A. L. Cabrera 1572 (Ar, N).

Cynometra bauhiniaefolia Benth. — ARGENTINA : Corrientes : very abundant, with lilac flowers, in meadows, Itá-pucú, Mercedes, November, 1936, A. P. Rodrigo 782 (N).

Desmanthus depressus H. B. K. — URUGUAY : in grassy meadows, Desierto, Santa Clara, Timote, dept. Florida, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 3101 (N), so det. also by Burkart.

Desmanthus virgatus (L.) Willd. — URUGUAY : in grassy meadows, San Pedro, Cerro Colorado, dept. Florida, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 714 (N), so det. also by Burkart.

Inga uruguensis Hook. et Arn. — ARGENTINA : Buenos Aires : Paraná Miní, flowers white, Delta, November 23, 1932, A. L. Cabrera 2509 (N); Río Paraná de las Palmas, Delta del Paraná, January 30, 1939, G. Dawson 354 (N), so det. San Luis : Alto Pencoso, February, 1914, Bruch et Carette s. n. (N), so det. also by Rodrigo.

Mimosa appressa Hook. et Arn. — URUGUAY : shrub to 50 cm tall, in river woods, Río Ti and Arroyo Matanzas, dept. Flores, November 21, 1936, B. Rosengurtt B. 701 (N), so det. also by Burkart.

Mimosa asperata L. — ARGENTINA : Buenos Aires : Canal del Guajú to Carabelas, Delta del Paraná, December 2, 1932, A. L. Cabrera 2630 (N), so det.

Mimosa Bonplandii (Gill.) Benth. — ARGENTINA : Buenos Aires : Brazo Largo, Delta, November 3, 1929, A. C. Scala s. n. (N), det. as « *M. Bonplandi* »; Chanacito, Delta del Paraná, A. C. Scala 180 (N), det. as « *M. Bonplandi* »; Isla Santiago, September 21, 1929, A. L. Cabrera 913 (N), as « *M. Bonplandi* »; Isla Santiago, September 11, 1932, A. L. Cabrera 2175 (Ar, N); Paraná Miní, Delta, January, 1914, A. C. Scala 184 (N), as « *M. Bonplandi* ».

Mimosa Rocae Lorentz et Niederlein — ARGENTINA : Buenos Aires : Cerros and Laguna de Puán. November 10, 1928, A. C. Scala s. n. (N), as «*M. Rocae* Lorentz»; Sierra Ventana, November 24, 1895, N. Alboff s. n. (N); Sierra Central, Sierra Ventana, November 23, 1895, N. Alboff s. n. (N); Sierra Bravard, arroyos 7 and 8, Pigié, November 8, 1928, A. C. Scala s. n. (N); creeping shrub, Parque Provincial, Sierra de la Ventana, Partido de Tornquist, October 6, 1939, A. L. Cabrera 5279 (N), det. as «*M. Rocae* Lor.».

Mimosa sensibilis Griseb. — ARGENTINA : Tucumán : Valle de Tafí, S. Roth s. n. (N), so det. also by Rodrigo.

Piptadenia macrocarpa Benth. — ARGENTINA : Misiones: San Ignacio, highway to La Plantadora, July, 1927, A. C. Scala 251 (N). Salta : Capital, alt. 1000 m, dept. Capital, January, 1941, T. Meyer 3540 (N), so det.; tree to 15 m tall, Pichanal, Orán, November 12, 1913, D. Rodríguez 1107 (N), so det.; tree 30 m tall, El Cedral, Orán, October 12, 1913, D. Rodríguez 1011 (N).

Pithecellobium multiflorum (H. B. K.) Benth. — ARGENTINA : Corrientes : with cream-colored flowers, along sides of arroyo Cartagena, December, 1936, A. P. Rodrigo 968 (N), called «timbó». Santa Fe: tree 10 m tall, with spreading crown, Isla Mascota, Reconquista, Río Paraná, January-February, 1936, M. M. Job. 958 (N), det. as «*Pithecellobium multiflorum*» dominant tree called «timbó blanco», along the old canal from Santa Fe to Colastine, Río Paraná, January-February, 1936, M. M. Job 696 (N), det. as «*Pithecellobium multiflorum*» by Burkart.

Prosopis abbreviata Benth. — ARGENTINA : San Luis : Alto Pencoso, February, 1914, Bruch et Carette 100 (N), so det. also by Cabrera.

Prosopis chilensis (Mol.) Stuntz — ARGENTINA : San Luis : Alto Pencoso, February, 1914, Bruch et Carette (N), so det. also by Cabrera, but det. as *P. alba* Griseb. by Rodrigo.

Prosopis algarrobilla var. **ñandubay** Hass. — ARGENTINA : Chaco : tree 6-8 m tall, Fontana, dept. Resistencia, February, 1941, T. Meyer 3814 [Herb. Inst. Miguel Lillo 35462] (N), so det.

Prosopis alpataco Phil. — ARGENTINA : Buenos Aires : Monte Hermoso, 1916, E. Carette s. n. (Ar, N), so det.; barrancas of the Río Negro, Partido de Patagones, December 5, 1938, A. L. Cabrera 4787 (N), so det.

Prosopis juliflora P. DC. — URUGUAY : tree in sandy soil of small woods, Carmelo, dept. Colonia, December 5, 1934, A. L. Cabrera 3185 (N), so det. also by Osten.

Prosopis Kuntzei Harms — ARGENTINA : Santiago del Estero : calyx and corolla glabrous, Taboada, December 12, 1939, M. Birabén 23 (N).

Prosopis nigra (Griseb.) Hieron. — ARGENTINA : Córdoba : Churqui-Cañada, September 14, 1939, R. Maldonado 125 (Ar, N), so det. Salta : tree 5 m tall, pods with red spots, Cerro San Bernardo, alt. 1200 m, dept. Capital, T. Meyer 3813 [Herb. Inst. Miguel Lillo 35461] (N), as « *P. nigra* Hieron. »; pods with gray-violet blotches, Coronel Moldes, alt. 1100 m, dep. La Viña, January 31, 1941, T. Meyer 3885 [Herb. Inst. Miguel Lillo 17354] (N), called « algarrobo negro ».

Prosopis sericantha Gill. — ARGENTINA : Santiago del Estero : calyx hirsute, flowers purple, in sandy undulating soil, Beltrán, October 30, 1939, R. Maldonado B. 218 (N).

Prosopis striata Benth. — ARGENTINA : Buenos Aires : Sierra de Cura-malal, eastern slope of the arroyo, November 16, 1928, A. C. Scala s. n. (N), so det. Río Negro : El Edén, January, 1916, A. C. Scala 27 (N), so det.

Prosopis strombulifera (Lam.) Benth. — ARGENTINA : Mendoza : Mendoza, 1916, E. Carette s. n. (N). Río Negro : along

the Río Negro, 1916, A. C. Scala 34 (N), so det. San Luis : Alto Pencoso, February, 1914, Bruch et Carette s. n. (N), as « *P. strombulifera* Benth. » by Rodrigo.

FABACEAE

(*Sophora* by J. V. Monachino ; the remaining determinations mostly by L. P. Ricker)

Adesmia bicolor Poir. — ARGENTINA : Río Negro : on the banks of the Río Negro, February, 1916, A. C. Scala 78 (N), det. as « *A. bicolor* DC. » URUGUAY : in grassy meadows, parcela 3, Paso Cuello, río Santa Lucía, dept. Canelones, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 2272 (N) so det.; in grassy meadows Palleros, Río Negro, dept. Cerro Largo, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 2358 (N), so det.

Adesmia boronoides Hook. f. — ARGENTINA : Neuquén : Chahuilla, Arroyo Lapa, February 13, 1939, A. Chicchi 118 (N), so det. Río Negro : Pichileufú, January 3, 1935, Cabrera et Job 21 (N), so det. also by Burkart; treeless slopes, Cerro Otto, region of Lago Nahuel Huapí, February 3, 1940, A. L. Cabrera 5852 (N), so det.

Adesmia filipes A. Gray — ARGENTINA : Buenos Aires : in firm meadow, Argerich, Partido de Villarino, November 6, 1940, A. L. Cabrera 6668 (N), so det.

Adesmia hedsaroides (Schrank) Hauman — ARGENTINA : Tucumán : Valle de Tafí, 1908, C. Bruch s. n. (N), so det. also by Rodrigo.

Adesmia incana Vog. — ARGENTINA : Buenos Aires : on dunes Miramar, Partido de General Alvarado, November 10, 1939, A. L. Cabrera 5531 (N), so det. ; Playa de Miramar, February, 1929, A. C. Scala 11 (N), so det. ; in firm dunes, with yellow corollas, Juancho, Partido de General Mada-

riaga, November, 1935, A. L. Cabrera 3394 (N), so det.; on seashore dunes, Quequéñ, January 2, 1930, A. L. Cabrera 1286 (N), so det. URUGUAY: with yellow flowers, rare among rocks in sandy soil, rhizomatous, Arroyo Negro, Paysandú, November 12, 1937, Rosengurtt B. 2253 (N), so det.

Adesmia lanata Hook. — ARGENTINA: Santa Cruz: Herb. Museo de La Plata s. n. (N), so det. also by Rodrigo.

Adesmia latifolia Vog. — URUGUAY: common in hyperpsammohygropluteus association in scattered clumps among grass, Arazati, San José, December 6, 1936, Rosengurtt A. 1260 (N), so det.; in swampy meadows, Monzón-Heber, Juan Jackson, dept. Soriano, November, 1939, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 4347 (N), so det.

Adesmia muricata (Jacq.) P. DC. — ARGENTINA: Córdoba: flowers with red veins, on hill at the foot of Pan de Azúcar, alt. 730 m, Cosquín, January-February, 1936, A. P. Rodrigo 376 (N). Tucumán: with yellow flowers, on brow of hill, La Lilla, Sierra del Cajón, alt. 2800 m, Tafí, May 4, 1926, S. Venturi 4268 (N).

Adesmia pampeana Speg. — ARGENTINA: Buenos Aires: arroyos 7 and 8, Pigié, Sierra Bravard, November 8, 1928, A. C. Scala s. n. (N), so det.; Sierra Central, Sierra de la Ventana, November 23, 1895, N. Alboff s. n. (N), so det.

Adesmia pinifolia Gill. — ARGENTINA: Mendoza: Vega del Loro, January, 1921, E. Carette 229 (N), so det.

Adesmia Schickendantzii Griseb. — ARGENTINA: Salta: La Laguna, alt. 3900 m, January 27, 1914, D. Rodríguez 1336 (N).

Adesmia trijuga Gill. — ARGENTINA: Tucumán: Valle de Tafí, 1908, C. Bruch s. n. (N), so det.

Aeschynomene montevidensis Vog. — ARGENTINA: Buenos Aires: Playa Municipal, near the Río la Plata, January, 28, 1939, G. Dawson 343 (N); Tuyuparé, Delta, January, 1914, A. C. Scala 172 (N), so det.; Arroyo Tuyuparé, Delta, January, 1914, A. C. Scala 178 (N); shrub with yellow corollas, Isla Santiago, December 6, 1931, A. L. Cabrera 1999 (Ar, N); Arroyo Tuyuparé, Delta, January, 1914, A. C. Scala 187 (N), so det.; Punta Lara, Partido de La Plata, February 10, 1929, A. L. Cabrera 730 (N), so det. Corrientes: with golden-yellow flowers, Bañados del Ayuí, 12 leagues north of Mercedes, November, 1936, A. P. Rodrigo 746 (N). URUGUAY: Río San Juan, dept. Colonia, November 21, 1934, A. L. Cabrera 3217 (N).

Amicia medicaginea Griseb. — ARGENTINA: Tucumán: Valle de Tafí, 1908, C. Bruch s. n. (N), so det.

Anarthrophyllum rigidum Hieron. — ARGENTINA: Santa Cruz: San Julián, May 13, 1924, P. Gaggero s. n. (N), so det. also by Rodrigo.

Bergeronia sericea Micheli — ARGENTINA: Chaco: on the banks of the Río Paraná. Isla Antiquera, December, 1933, A. G. Schulz 877 (N), so det.

Crotalaria anagyroides H. B. K. — ARGENTINA: with sulphur-yellow flowers, Isla Meza, 10 km up the Río Paraná, Capital, November, 1936, A. P. Rodrigo 869 (N). Jujuy: shrub 1 m tall, with yellow flowers, Humahuaca, alt. 2500 m, Tres Cruces, March, 1929, S. Venturi 8699 (N). Salta: 1 m tall, with yellow flowers, Campo Quijano, alt. 1200 m, dept. Rosario de Lerma, T. Meyer 3544 [Herb. Inst. Miguel Lillo 35561] (N), det. as «*Lupinus*»; 50-60 cm tall, with yellow flowers, Mojotoro, alt. 1060 m, dept. Caldera, January 9, 1941, T. Meyer 3569 [Herb. Inst. Miguel Lillo 35762] (N), det. as «*Lupinus*»; in hard red soil, alt. 1200 m, Campo Quijano, dept. Rosario de Lerma, January 15, 1929, S. Venturi 8065 (N).

Crotalaria incana L. — ARGENTINA : Chaco : flowers yellow, Margarita Belén, February 10, 1941, T. Meyer 3821 [Herb. Inst. Miguel Lillo 35468] (N).

Crotalaria polysperma Kotschy — ARGENTINA : Salta : corolla yellow, Metán, dept. Metán, June 7, 1933, A. L. Cabrera 3114 (N). Tucumán : sandy river bank, alt. 1200 m, Río Tipamayo, dept. Trancas, with yellow flowers, April 17, 1926, S. Venturi 4276 (N).

Crotalaria pumila Ortega ? — ARGENTINA : Tucumán : San Pedro de Colalao, alt. 900 m, April 4, 1914, D. Rodríguez 1451 (N); in stony bed of river, alt. 1300 m, Río Tipamayo, dept. Trancas, April 17, 1926, S. Venturi 4264 (N).

Dalea onobrychioides Griseb. — ARGENTINA : Tucumán : Anfama peak, alt. 2800 m, February 18, 1924, S. Venturi 2916 (N), so det.

Galactia Lorentzii Griseb. — ARGENTINA : Tucumán : Valle de Tafí, 1908, C. Bruch s. n. (N), so det. also by Rodrigo.

Galactia marginalis Benth. — URUGUAY : in grassy meadows, San Pedro, Cerro Colorado, dept. Florida, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 752 (N), so det. also by Burkart.

Galactia stenophylla Hook. et Arn. — ARGENTINA : Misiones : along the highway between Cerro Santa Ana and Cerro Corral, November 26, 1896, N. Alboff s. n. (N), so det. also by Rodrigo.

Glycirrhiza astragalina Gill. — ARGENTINA : Buenos Aires : Monte Hermoso, 1916, E. Carette s. n. (N), so det. ; viscid. with blue corollas, on dunes, Bahía de San Blas, Partido de Patagones, December 4, 1938, A. L. Cabrera 4676 (N), det. as «*Glycirrhiza astragalina* Gill.» Río Negro : valley of the Río Negro, February, 1916, A. C. Scala 35 (N), so det.

Galega officinalis L. — ARGENTINA: Buenos Aires: Isla Santiago, Partido de La Plata, March 8, 1933, A. L. Cabrera 2777 (N); Pereyra, with blue corollas, March 14, 1932, A. L. Cabrera 2057 (N), so det. also by Burkart; Pereyra, December 16, 1939, G. Dawson 919 (N), so det.

Gourliea decorticans Gill. et Hook. — ARGENTINA: Córdoba: Unquillo, 1926, C. Bruch s. n. (N), so det. San Luis: small tree to 4 m tall, called «chañar», Nueva Galia, December 29, 1915, D. Rodríguez 1473 (N), so det.

Gourliea decorticans var. **subtropicalis** Lillo — ARGENTINA: Salta: tree 8 m tall, Cerro San Bernardo, alt. 1200 m, dept. Capital, January 7, 1941, T. Meyer 3571 (N), so det.

Lathyrus crassipes (Gill.) Hook. et Arn. — URUGUAY: among rocks on shore, Punta Gorda, Montevideo, November 6, 1936; Rosengurtt B. 433 (N), so det. also by Burkart.

Lathyrus Hookeri Don — ARGENTINA: Buenos Aires: flowers clear-blue, Agustina, Partido de Junín, October 18, 1940, A. L. Cabrera 6569 (Ar, N).

Lathyrus macropus (Gill.) Hook. — ARGENTINA: Catamarca: Andalgalá, December 29, 1915, Jörgensen 1124 [Herb. Inst. Miguel Lillo 55990] (N).

Lathyrus magellanicus var. **gladiatus** (Hook.) Kuntze — ARGENTINA: Buenos Aires: flowers blue, Recreo El Progreso, Delta del Paraná, January 30, 1939, G. Dawson 356, (N); Punta Lara, Partido de La Plata, November 22, 1940, G. Dawson 1016 (N). Chubut: Pico Pico, Herb. Museo de La Plata s. n. (N), det. as «*L. magellanicus* Lam.» by Rodrigo.

Lathyrus nervosus Lam. — ARGENTINA: Río Negro: Roca, 1896, S. Roth s. n. (N), so det. also by Rodrigo. URUGUAY: with blue flowers, between rocks on the shore, Pajas Blan-

cas, Montevideo, September 26, 1937, Rosengurtt B. 2132 (N), so det. also by Burkart.

Lathyrus paranensis Burkart — ARGENTINA : Buenos Aires : Arroyo Méndez Grande, October 31, 1929, A. C. Scala s. n. (N), so det.; Paraná Guazú; Delta, A. C. Scala s. n. (N), so det.; in wet woods, Isla Martín García, Río de la Plata, October, 1934, A. L. Cabrera 2855 (N), so det. also by Burkart; corolla reddish-blue, Punta Lara, on the shores of the Río de la Plata, October 30, 1932, A. L. Cabrera 2427 (N), so det. also by Burkart. URUGUAY : in swampy meadows, Palleros, Río Negro, dept. Cerro Largo, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 410 (N), so det.

Lathyrus pubescens Hook. et Arn. — ARGENTINA : Buenos Aires : Estancia Leires, Sierra Ventana, November 22, 1893, N. Alboff 41 (N); Cerro Cura-malal Grande, alt. 700 m, November 12, 1928, A. Scala s. n. (N); Parque Provincial, Sierra de la Ventana, Partido de Tornquist, October 6, 1939, A. L. Cabrera 5294 (N); Punta Lara, October 28, 1939, A. L. Cabrera 5377 (N); Punta Lara, October 25, 1931, A. L. Cabrera 1814 (Ar, N), so det.; Arroyo de los Remansos, Sierra de la Ventana, Partido de Tornquist, November 8, 1938, A. L. Cabrera 4699 (N); Lobería, February, 1918, N. Alboff et A. C. Scala s. n. (N), so det.; Punta Lara, corolla blue, on the shores of the Río de la Plata, October 30, 1932, A. L. Cabrera 2416 (N), so det. also by Burkart; Loma Negra, Olavarriá, October, 1933, P. Boffa 22 (N), so det.; Paraná Guazú, Delta, A. C. Scala 173 (N), so det. also by Burkart; Punta Lara, Partido de La Plata, November 1, 1929, A. L. Cabrera 1240 (N), so det. Entre Ríos : Río Ceibo, Delta, November 24, 1932, A. L. Cabrera 2525 (Ar, N), so det. also by Burkart. Salta : with blue flowers, Campo Quijano, alt. 1200 m, dept. Rosario de Lerma, January 23, 1941, T. Meyer 3537, [Herb. Inst. Miguel Lillo 35554] (N); at edge of woods, with lilac flowers, a creeping plant, Alemania, alt. 1500 m,

dept. Guachipas, November 2, 1929, S. Venturi 9826 (N). Tucumán : La Zanja, dept. Tafí, October 8, 1924, Schreiter 3319 [Herb. Inst. Miguel Lillo 56005] (N).

Lathyrus pubescens var. **acutifolius** Vog. — ARGENTINA : Salta : Candado, December 6, 1896, C. Bruch s. n. (N), so det. also by Rodrigo ; Ollada, January, 1897, C. Bruch s. n. (N), so det.

Lathyrus subulatus Lam. — ARGENTINA : Buenos Aires : mountains south of Pigüé, November 7, 1928, A. C. Scala s. n. (N), so det. ; with blue flowers, in primitive steppe, Partido de Pellegrini, November 28, 1940, A. L. Cabrera 6913 (N). URUGUAY : in grassy meadows, parcela 2, Santa Elena, Juan Jackson, dept. Soriano, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 93 (N), so det. also by Burkart.

Lathyrus tomentosus Lam. — ARGENTINA : Buenos Aires : Monte Hermoso, 1916, E. Carette s. n. (N) ; Estancia Leines, Sierra de la Ventana, November 23, 1895, N. Alboff 42 (N), det. as « *L. sericeus* Lam. » ; Lobería, February, 1918, N. Alboff et A. C. Scala s. n. (N), det. as « *L. sericeus* Lam. ».

Lathyrus tropicalandina Burkart — ARGENTINA : Salta : El Alisal, alt. 2800 m, Sierra del Cajón, January 12, 1914, D. Rodríguez 1286 (N), as « *L. longipes* Phil. ».

Lonchocarpus campestris Mart. ? — ARGENTINA : Chaco : tree 5-7 m tall, with blue-violet flowers, in low ground along river-margins in the mountains, Colonia Benítez, October, 1935, A. G. Schulz 1570 (N).

Lonchocarpus nitidus (Vog.) Benth. — ARGENTINA : Buenos Aires : Río Carabelas, in front of Recreo Tiburón, Delta, November, 1925, A. C. Scala s. n. (N), so det.

Lupinus bracteolaris Desr. — URUGUAY : in rocky and grassy meadows, San Pedro, Cerro Colorado, dept. Florida, December, 1938, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 3509 (N), so det.; frequent in rocky and grassy meadows, Arroyo Tres Arboles, Río Negro, October 4, 1939, Rosengurtt B. 3011 (N), so det.

Lupinus multiflorus Desr. — ARGENTINA : Corrientes : in the vicinity of the city of Corrientes, in woods, November 7, 1896, N. Alboff s. n. (N), so det. also by Rodrigo. URUGUAY : on dunes, Arenal Grande, dept. Soriano, November 29, 1932, A. L. Cabrera 2571 (N), so det.

Medicago hispida Gaertn. (probably) — ARGENTINA : Buenos Aires : trailling, herbaceous, Martínez, dept. San Isidro, March 9, 1941, P. Torrent 43 [Herb. Inst. Miguel Lillo 17533] (N).

Medicago hispida var. **apiculata** (Willd.) Urb. — ARGENTINA : Buenos Aires : Isla Santiago, Partido de La Plata, September 25, 1932, A. L. Cabrera 2220 (N).

Medicago hispida var. **denticulata** (Will.) Urb. — ARGENTINA : Buenos Aires : in wet meadows between the Río de la Plata and Ensenada, Partido de La Plata, October 8, 1931, A. L. Cabrera 1770 (N), so det.; in saline soil, Juan Gerónimo, Monte Veloz, on the banks of the Río de la Plata, November 10, 1931, A. L. Cabrera 1868 (N), « probably » this species; Estancia Bell, Partido de La Plata, October 24, 1939, G. Dawson 779 (N). Tucumán : Valle de Tafí, 1908, C. Bruch s. n. (N), so det. also by Rodrigo.

Medicago lupulina L. — ARGENTINA : Buenos Aires : Lobería, February, 1908, N. Alboff et A. C. Scala s. n. (N), so det. Río Negro : in dry soil, with yellow flowers, Bariloche, region of Lago Nahuel Huapí, February 3, 1940, A. L. Cabrera 5836 (N), so det.; Río Negro, A. C. Scala 74 (N), so det. Tucumán : Valle de Tafí, 1908, C. Bruch s. n. (N), so det. also by Rodrigo.

Medicago minima L. — ARGENTINA: Buenos Aires: Cerro Matilde, Olavarria, October, 1933, P. Boffa 8 (N), det. as « *M. minima* (L.) Griseb. » by Burkart.

Medicago minima var. **longiseta** P. DC. — ARGENTINA: Buenos Aires: on dunes, Miramar, Partido de General Alvarado, November 10, 1939, A. L. Cabrera 5527 (N); Cerros and Laguna de Puán, November 10, 1928, A. C. Scala s. n. (N), det. as « *M. minima* ».

Medicago sativa L. — ARGENTINA: Catamarca: Tinogasta, March 1898, G. F. Gerling s. n. (N), det. as « *M. sativa* L. *typica* » by Rodrigo.

Melilotus albus Desr. — ARGENTINA: Buenos Aires: shrub, Partido de La Plata, October 19, 1932, A. L. Cabrera 2390 (N). Mendoza: Mendoza, 1916, E. Carette s. n. (N).

Melilotus indicus (L.) All. — ARGENTINA: Buenos Aires: along railroad embankment, Juancho, Partido de General Madariaga, November, 1935, A. L. Cabrera 3390 (N), « probably » this species; in the hollows between the dunes, Juancho, January 13, 1933, A. L. Cabrera 2700 (N), so det. URUGUAY: Río San Juan, dept. Colonia, November 21, 1934, A. L. Cabrera 3230 (N).

Melilotus messanensis All. — ARGENTINA: Buenos Aires: in wet ground, Las Talas, Partido de La Plata, November 5, 1932, A. L. Cabrera 2485 (N).

Ornithopus micranthus (Benth.) Arech. — URUGUAY: in swampy meadows, Cerro Pan de Azúcar, dept. Maldonado, November 19, 1938, Rosengurtt B. 2715 (N), so det.

Phaseolus pammodes Lindman — URUGUAY: in sandy places, Atlántida, dept. Canelones, February 5, 1939, Rosengurtt B. 2822 (N), so det.

Phaseolus prostratus Benth. — URUGUAY: Agronomía, dept. Paysandú, January 20, 1937, Rosengurtt B. 863 (N), so det. also by Burkart.

Pisum sativum L. — ARGENTINA: Río Negro: Roca, 1896, S. Roth s. n. (N), so det. also by Rodrigo.

Rhynchosia lineata Benth. — URUGUAY: among shrubs in rocky places, Cerro de Las Cuentas, dept. Cerro Largo, December 29, 1938, Rosengurtt B. 2783 (N), so det.

Rhynchosia senna Gill. — ARGENTINA: Buenos Aires: Sierra de la Ventana, February, 1916, C. Bruch s. n. (N), so det. also by Rodrigo. Córdoba: with cream-colored flowers, El Durazno, on the road to Musi, alt. 900 m, January-February, 1936, A. P. Rodrigo 571 (N), so det. also by Rodrigo. URUGUAY: twining shrubs, lax, rhizomatous, with yellow flowers, in meadows, Escuela de Agronomía, San Antonio, dept. Salto, February 2, 1937, Rosengurtt B. 1069 (N), so det.; in grassy meadows, San Pedro, Cerro Colorado, dept. Florida, December, 1936, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 751 (N), so det. also by Burkart; common in fields and pastures, Escuela de Agronomía, dept. Paysandú, January 21, 1937, Rosengurtt B. 885 (Ar, N), so det. also by Burkart.

Sesbania marginata Benth. — ARGENTINA: Entre Ríos: in barrancas, Paraná, May 23, 1940, A. L. Cabrera 6490 (N), so det.

Sesbania punicea (Cav.) Benth. — ARGENTINA: Buenos Aires: shrub to 2 m tall, with red corollas, Isla Santiago, Partido de La Plata, December 8, 1928, A. L. Cabrera 523 (N), so det.; same locality, May 1, 1932, A. L. Cabrera 2165 (N).

Sophora japonica L. — ARGENTINA: Tucumán: tree 3 m tall, with white flowers, Río Salí, alt. 450 m, dep. Capital, December, 1920, S. Venturi 1148 (N), det. as «*S. tomentosa* L.».

Stylosanthes leiocarpa Vog. — URUGUAY: on sandy shores, Cabo Santa María, dept. Rocha, February 6, 1938, Rosengurtt B. 2471 (N), cited by Burkart in *Darwiniana* 3 (2): 243, 1939.

Stylosanthes montevidensis Vog. — URUGUAY: on grassy slopes, Palleros, Río Negro, dept. Cerro Largo, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 79 (N), cited by Burkart in *Darwiniana* 3 (2): 254. 1939; in sandy places, Atlántida, dept. Canelones, February 5, 1939, Rosengurtt B. 2830 (N), so det.

Tephrosia adunca Benth. — ARGENTINA: Chaco: flowers rose, Enrique Urien, Campo Bonazzola, dept. Tapenaga, November, 1940, A. P. Rodrigo 2452 (N).

Tephrosia cinerea (L.) Pers. — URUGUAY: on river dunes, flowers rose, Arroyo Sauce, dept. Colonia, November 29, 1932, A. L. Cabrera 2604 (Ar, N), det. as « *T. cinerea* Pers. ».

Poecilanthe parviflora Benth. — URUGUAY: tree with white fragrant flowers, Punta Gorda, dept. Colonia, November 30, 1932, A. L. Cabrera 2629 (N), so det.

Poiretia psoraleoides P. DC. — ARGENTINA: Chaco: with yellow flowers, Enrique Urien, Campo Bonazzola, dept. Tapenaga, November, 1940, A. P. Rodrigo 2468 (Ar, N).

Poiretia tetraphylla (Poir.) Burkart — ARGENTINA: Buenos Aires, with yellow corollas, Médano de Bunge, Partido de General Villegas, December 21, 1939, A. L. Cabrera 5693 (N), so det. URUGUAY: in grassy meadows, Palleros, Río Negro, dept. Cerro Largo, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt A. 782 (N), cited by Burkart in *Darwiniana* 3 (2): 224, 1939.

Tipuana tipa (Benth.) Kuntze — ARGENTINA: Jujuy: in woods near the Río San Francisco, Vinalito, Yuto, dept. Santa

Bárbara, July 8, 1937, A. L. Cabrera 4103 (N), so det. Salta : tree to 30 m tall, called « tipa colorada », El Central, Orán, October 19, 1913, D. Rodríguez 1032 (N), so det.

Trifolium amabile H. B. K. — ARGENTINA : Córdoba : with red flowers in meadows, alt. 2200 m, Pampa de Achala, January-February, 1936, A. P. Rodrigo 475 (N), so det. also by Rodrigo.

Trifolium Mathewsii A. Gray — ARGENTINA : Tucumán : Valle de Tafí, 1908, C. Bruch s. n. (N), so det. by Rodrigo, but det. by Burkart as « *Trifolium* cfr. *T. mexicanum* Hemsley ».

Trifolium pratense L. — ARGENTINA : Buenos Aires : in stony places, Monte Veloz, November 10, 1931, A. L. Cabrera 1830 (N), so det. also by Burkart.

Trifolium repens L. — ARGENTINA : Buenos Aires : in woods along the Río de la Plata, Partido de La Plata, October 18, 1928, A. L. Cabrera 438 (N), so det.

Ulex europaeus L. — ARGENTINA : Buenos Aires : adventive, La Plata, Partido de La Plata, September 20, 1932, A. L. Cabrera 2201 (N), so det.

Vicea graminea J. E. Sm. — ARGENTINA : Buenos Aires : with blue corollas, Punta Lara, October 30, 1932, A. L. Cabrera 2426 (Ar, N); in stony places, with blue corollas, Monte Veloz, November 10, 1931, A. L. Cabrera 1831 (N); among seashore grass, Isla Martín García, Río de la Plata, October, 1934, A. L. Cabrera 2900 (N); Chaná, Delta, November, 1914, A. C. Scala s. n. (N); Las Talas, Partido de La Plata, October 16, 1932, A. L. Cabrera 2359 (N). Corrientes : in woods in the environs of the city of Corrientes, November 9, 1896, N. Alboff s. n. (N), « seeds smooth, black, small; hilum long, linear ». Entre Ríos : Arroyo Negro, Delta, November 2, 1929, A. C. Scala s. n. (N),

« seeds smooth ; hilum long, linear ». Río Negro : Río Negro, A. C. Scala 76 (N), so det. « probably o. k. ». Salta : Candado, December 6, 1896, C. Bruch s. n. (N), so det. also by Rodrigo. URUGUAY : in grassy meadows, Monzón-Heber, Juan Jackson, dept. Soriano, November, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 87 (N), so det. ; growing among grasses in swampy places and grassy riverbanks, common, Arroyo Negro, dept. Paysandú, November 12, 1937, Rosengurtt B. 2275 (N), so det. ; in woods and meadows along riverbanks, Cerrillos, Río Santa Lucía, dept. Canelones, October 25, 1936, Rosengurtt A. 1246 (N), det. as « *V. graminea* Sm. var. » by Burkart, « same leaflets resembling *V. truncata*, but that has mostly 3-6 pairs ».

Vicia hirsuta (L.) S. F. Gray — CHILE : Valdivia : Panguipulli, alt. about 200 m, January, 1929, A. Hollermayer s. n. [E. Werdermann 1927] (N).

Vicia Macraei Hook. et Arn. — ARGENTINA : Fuentes del Río Caleufú, alt. 2100 m, La Cordillera, 1896, S. Roth s. n. (N), « matches Philippi n° 1352-3 ; upper calyx-teeth shorter than the tube ; tube about 5 mm long ».

Vicia montevidensis Vog. — ARGENTINA : Buenos Aires : in front of Recreo Tiburón, Río Carabelas, November, 1925, A. C. Scala s. n. (N), « near *V. nana* but has narrower stipules and more villous peduncles ».

Vicia sativa L. — ARGENTINA : Buenos Aires : Isla Santiago, on the shores of the Río de la Plata, November 1, 1932, A. L. Cabrera 2442 (N), so det. ; La Granja, Partido de La Plata, flowers purple, November 10, 1940, A. P. Rodrigo 2365 (N).

Vicia setifolia H. B. K. — ARGENTINA : San Luis : region of Sololosta, January, 1934, M. A. Vignati 179 (N), « probably a dwarf form of this species ».

Vigna luteola (Jacq.) Benth. — ARGENTINA: Buenos Aires: Isla Santiago, Partido de La Plata, April 2, 1932, A. L. Cabrera 2118 (N), so det. URUGUAY: Pajas Blancas, Montevideo, in swamps, February 4, 1940, Rosengurtt B. 3039 (N), so det.

Zuccagnia punctata Cav. — ARGENTINA: Catamarca: on hills, Belén, February 26, 1929, A. L. Cabrera 1118 (N), so det. Salta: shrub to 2 m tall, at km 56, Quebrada de las Conchas, dept. Guachipas, August 16, 1936, A. L. Cabrera 3764 (N), so det. called «jarilla pispa». Tucumán: shrub with yellow flowers, on brow of hill, alt. 2200 m, Las Orcas, dept. Tafí, April 24, 1926, S. Venturi 4235 (N), so det., called «popusa»; La Cienaguita, Cumbres Calchaquíes, alt. 2100 m, December 29, 1913, D. Rodríguez 1222 (N), so det.

RHAMNACEAE

(determinations by H. E. Mc Minn; *Scutia* in part by J. V. Monachino)

Collectia spinosa Lam. — ARGENTINA: Buenos Aires: Punta Lara, December 11, 1895, N. Alboff s. n. (N); Monte Hermoso, 1916, E. Carette 519 (N). Córdoba: on the left bank of the Río Cosquín, July 19, 1935, A. P. Rodrigo 212 (N). Jujuy: La Quiaca to Villazón, alt. 3442 m, dept. Javi, January 24, 1940, Schreiter 11230 [Herb. Inst. Miguel Lillo 34365] (N). CHILE: La Cumbre, October 15, 1914, Mr. et Mrs. J. N. Rose 19346 (N).

Condalia lineata A. Gray? — ARGENTINA: San Luis: Estancia El Bosque, Nueva Galia, November 27, 1915, D. Rodríguez 1469 (N).

Condalia sp.? — ARGENTINA: Córdoba: Capilla de los Remedios, August 19, 1939, R. Maldonado B. 113 (N); Churqui Cañada, September 21, 1939, R. Maldonado B. 154 (N).

Discaria foliosa Miers — ARGENTINA: Río Negro: tree at the base of the mountain, Cerro Otto, January 7, 1935, A. L. Cabrera et M. M. Job 145 (N).

Discaria longispina Miers — ARGENTINA: Buenos Aires: Monte Hermoso, 1916, E. Carette 520 (N), so det.; Loma Negra, Olavarría, October, 1933, P. Boffa 28 (N).

Discaria prostrata (Miers) Reiche — ARGENTINA: Mendoza: in front of Volcán Maipo, alt. 3500 m, January, 1921, E. Carette 254 (N).

Discaria trinervis (Poepp.) Reiche — ARGENTINA: Mendoza: Chacayal, alt. 2100 m, January, 1921, E. Carette 257 (N). Río Negro: Bariloche, region of Lago Nahuel Huapí, February 12, 1940, A. L. Carrera 6100 (N), shrub.

Gouania tomentosa Jacq. — BOLIVIA: Santa Cruz: prov. Sara, April 18, 1916, J. Steinbach s. n. [Herb. Inst. Miguel Lillo 36032] (N); prov. Buena Vista, alt. 450 m, April, 1915, J. Steinbach s. n. [Herb. Inst. Miguel Lillo 36029] (N), flowers clear-green.

Rhamnidium elaeocarpum Reiss. — BOLIVIA: Santa Cruz: alt. 450 m, prov. Cercado, Montecitos de Orubó, September 25, 1916, J. Steinbach s. n. [Herb. Inst. Miguel Lillo 36026] (N), called « tureve »; alt. 400 m, prov. Sara, October 31, 1916, J. Steinbach 3289 [Herb. Inst. Miguel Lillo 36024] (N), « tureve »; alt. 500 m, prov. Sara, flowers clear-green, September 1, 1917, J. Steinbach s. n. [Herb. Inst. Miguel Lillo 36034] (N). PARAGUAY: 1885-1895, E. Hassler 1150 x (N); in woods, Hupé, November, 1932, P. Jörgensen 4920 (N).

Scutia buxifolia Reiss. — ARGENTINA: Buenos Aires: in wet woods, Isla Martín García, October, 1934, A. L. Cabrera 2910 (N); shrub to 2 m tall, Punta Lara, November 1, 1939, A. L. Cabrera 5417 (N), so det.; in woods, Punta

Lara, November 15, 1940, A. L. Cabrera 6802 (N), so det. Jujuy: tree, trunk to 40 cm in diameter, in high woods, alt. 700 m, Sierra Santa Bárbara, dept. San Pedro, October 11, 1929, S. Venturi 9664 (N), tree 6-7 m tall, with yellowish flowers. Tucumán: Cañada de Cisneros, alt. 700 m, dept. Burruyacu, October 16, 1937, Peirano 10704 [Herb. Inst. Miguel Lillo 35070] (N), called «coronilla negra».

Scypharia senticosa (H. B. K.) Miers. — ARGENTINA: Córdoba: Unquillo, 1926, C. Bruch 4802 (N). Salta: Pichanal, Orán, November 11, 1913, D. Rodríguez 1103 (N). BOLIVIA: Santa Cruz: prov. Vallegrande, alt. 2000 m, March 25, 1920, flowers clear-green, fruit red, J. Steinbach 3945 [Herb. Inst. Miguel Lillo 36027] (N), det. as «*Colletia* sp».

Zizyphus mistol Griseb. — ARGENTINA: Chaco: tree with yellow-green flowers, Enrique Urien, Campo Bonazzola, dept. Tapenaga, November, 1940, A. P. Rodrigo 2375 (N), so det. Salta: abundant, Estancia Patrón Costas, Guachipas, January, 1937, M. M. Job 1465 (N); Montealto, Orán, November 23, 1913, D. Rodríguez 1144 (N); tree 8 m tall, Coronel Moldes, alt. 1100 m, dept. La Viña, January 31, 1941, T. Meyer 3889 [Herb. Inst. Miguel Lillo 17357] (N), so det., called «mistol». Santiago del Estero: flowers green, Turena, dept. Robles, October 5, 1939, R. Maldonado B 192 (N), called «mistol», the local dish «bolanchao» is prepared from this fruit. Tucumán: tree 6 m tall, La Cocha, alt. 450 m, dept. Graneros, February 23, 1941, T. Meyer 3900 [Herb. Inst. Miguel Lillo 35775] (N), called «mistol», fruit edible, so det.; flowers yellow, alt. 700 m, Cañada de Peralta, dept. Burruyacu, October 12, 1937, Peirano 10693 [Herb. Inst. Miguel Lillo 35072] (N), called «mistol».

RUTACEAE

(determinations by J. V. Monachino)

Balfourodendron Riedelianum (Engl.) Engl. — ARGENTINA : Misiones : in the vicinity of Puerto León, alt. 75-100 m, July 12-21, 1914, H. M. Curran 679 (N).

HYDROPHYLACEAE

Phacelia pinnatifida Griseb. — ARGENTINA : Salta : flowers lilac, in rocky soil of mountain-slope, alt. about 4000 m, La Bomba, January 25, 1940, A. G. Schulz 2240 (N).

EHRETIACEAE

Cordia chacoensis Chodat. — ARGENTINA : Corrientes : shrubs 1-2 m tall, with white flowers, in woods, barranca of the Río Paraná, Molina Punta, Corrientes, October 17, 1941, A. G. Schulz 2372 (N).

Patagonula americana L. — ARGENTINA : Chaco : abundant tree, with white aromatic flowers and valuable wood, 6-10 m tall, called «guayaibí», in woods, Colonia Benítez, November, 1938, A. G. Schulz 2238 (N), so det.

HELIOTROPIACEAE

Heliotropium amplexicaule Vahl — ARGENTINA : Chaco : bushes 30-40 cm tall, with blue-lilac flowers, prefers dry somewhat clayey halophytic soil in the full sun in dry fields. Colonia Benítez, November, 1936, A. G. Schulz 1875 (N); abundant bushes about 30 cm tall, in clayey calcareous soil in fields, Colonia Benítez, October, 1936, A. G. Schulz 1889 (N);

low herbs with partially prostrate branches, 30-40 cm tall, and blue-lilac flowers, among low herbs, Colonia Benítez, November 11, 1934, A. G. Schulz 482 (N), so det.

Heliotropium indicum L. — ARGENTINA: Chaco: plants 30-50 cm tall, abundant in cultivated soil by old Indian habitations, with lilac flowers, Colonia Benítez, January, 1942, A. G. Schulz 3020 (N), so det.

Heliotropium nicotianaeifolium Poir. — ARGENTINA: Chaco: prefers somewhat shady places and fertile soil, in wet soil at edge of fields at border of woods, with lilac flowers, Colonia Benítez, November, 1934, A. G. Schulz 471 (N); plants 25-50 cm tall, with lilac flowers, in high woods at edge of river, La Loma, Guayeurú, January 6, 1942, A. G. Schulz 3853 (N), so det.

Heliotropium procumbens Vahl — ARGENTINA: Chaco: branched plant, in wet places at edge of woods, Colonia Benítez, September, 1934, A. G. Schulz 475 (N).

Heliotropium tiaridioides Cham. — ARGENTINA: Chaco: woody shrub 1 m tall, with white flowers, in woods near the Río Tragadera, Colonia Benítez, August 25, 1940, A. G. Schulz 2241 (N).

Heliotropium tiaridioides var. **schizocarpum** I. M. Johnston — ARGENTINA: Chaco: branched shrub 2-3 m tall, partly diffuse, with white flowers, at border of woods, Estancia Varela, Guayeurú, August 20, 1942, A. G. Schulz 3477 (N), so det.

Tournefortia rubicunda Salzm. — ARGENTINA: Chaco: with large weak branches and yellowish flowers, in high woods, Colonia Benítez, September 18, 1942, A. G. Schulz 3525 (N); branched diffuse shrub with yellowish flowers, Colonia Benítez, November, 1942, A. G. Schulz 4181 (N), so det.

BIGNONIACEAE

(determination by J. V. Monachino)

Tecoma garrocha Hieron. — ARGENTINA : La Rioja : tree 2,5 m tall, Chilecito, February 15, 1941, G. Covas 1261 (N).

VERBENACEAE

Acantholippia deserticola (R. A. Phil.) Moldenke — ARGENTINA : La Rioja : Vinchina, February 17, 1879, Hieronymus et Niederlein 547 (Vt), as « *Lippia riojana* Hieron. » and probably type collection of that binomial. CHILE : Antofagasta : near Ascoku or Cebollar, alt. about 4000 m, on the railroad from Antofagasta to Boleira, December, 1916, V. Schwartz s. n. (Go), called « rica-rica », det. as « *Lippia deserticola* Phil. » by Asplund.

Acantholippia hastulata Griseb. — ARGENTINA : Jujuy : Lorentz et Hieronymus 713 (N-isotype).

Acantholippia trifida (C. Gay) Moldenke — ARGENTINA : Río Negro : vicinity of General Roa, alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 12 (Cm), det. as « *Lippia trifida* Remy ». Santa Cruz : Puerto Angosto, in shifting dunes, eastern Patagonia, 10-12-1904, Dusén s. n. (Go), det. as « *Lippia seriphiooides* Gris. »; Tehuelches, alt. 300 m, November 24, 1928, Donat 52 (Go), det. as « *Lippia hispida* Gay. ».

Aegiphila Hassleri Briq. — PARAGUAY : a small tree, 2-4 m tall, with petals sulphur-yellow and yellow fruit, very common in hedges and thicket, Rimon, September 4, 1928, Jörgensen 3662 (Du).

Aegiphila Steinbachii Moldenke — BOLIVIA : Santa Cruz : small tree, 4-5 m tall, with yellowish-green flowers, in small

woods on Pampa Palometilla, alt. 400 m, November 16, 1916, Steinbach 14781 (Go).

Aloysia ligustrina (Lag.) Small — ARGENTINA : Buenos Aires : Buenos Aires, 1886, Lefebre s. n. (Br), det. as « *A. lycioides* Cham. » Chaco : with white flowers, between Río Araza and Tirol, alt. 55 m, May 16, 1945, T. Meyer 8590 (N). BOLIVIA : Bridges s. n. (Br), det. as « *Lippia urticoides* β *parvifolia* Mart. » URUGUAY : Concepción, August, 1877, Lorentz s. n. (Go).

Aloysia ligustrina var. **paraguariensis** (Briq.) Moldenke — PARAGUAY : spiny shrub 2-3 m tall, with white flowers, leaves giving off the odor of terebinth, January, 1875, Balsana 1015 (Br-isotype); shrub 2-3 m tall, with white flowers, Villa Encarnación, September 21, 1915, Rojas 7902 (Go), det. as « *Lippia lycioides* Steud. »; Villa Rica, September 18, 1928, P. Jörgensen 3781 (Po), det. as « *Lippia lycioides* Steud. ».

Aloysia Meyeri Moldenke — ARGENTINA : Salta : with white flowers, about 2 m tall, Coronel Moldes, alt. about 1200 m, dept. La Viña, January 30, 1941, Hunziker 985 (W).

Aloysia polystachya (Griseb.) Moldenke — ARGENTINA : Córdoba : Los Molles, January, 1871, Lorentz s. n. (N-fragment of isotype, Vt-isotype), called « poleo de Castilla ».

Aloysia scorodonioides (H. B. K.) Cham. — BOLIVIA : La Paz : alt. 10.000 feet, M. Bang 5 (Ka), det. as « *Lippia scorodonioides* ». State undetermined : Bridges s. n. (Br).

Aloysia scorodonioides var. **detonsa** (Briq.) Moldenke — ARGENTINA : Chaco : shrub 1,5 m tall, with aromatic white flowers, at edge of woods, Enrique Urien, February, 1939, A. G. Schulz 2893 (N), so det. Salta : with white flowers, Güemes, March 29, 1945, T. Meyer 8338 (N).

Aloysia Sellowii (Briq.) Moldenke — ARGENTITA : Tucumán : shrub 1.5 m tall, with white fragrant flowers, in fields, barranca of the Río Salí, Tucumán, February, 1940, A. G. Schulz 2886 (N).

Aloysia spathulata (Hayek) Moldenke — PERÚ : Arequipa : aromatic shrub 8-10 dm tall, with the corollas pinkish outside, the limb white, on rocky wall of Quebrada de San Lázaro, alt. 8500 feet, near Arequipa, March 11, 1939, P. A. Munz 15509 (Po).

Aloysia triphylla (L'Hér.) Britton — ARGENTINA : State undetermined : called « cedrón », Lefebre s. n. (Br).

Aloysia virgata (Ruiz et Pav.) A. L. Juss. — ARGENTINA : Chaco : shrub 3.5 m tall, between Río Araza and Tirol, alt. 55 m, May 16, 1945, T. Meyer s. n. (N), called « niño rupá grande ». BOLIVIA : La Paz : growing in soil and leafmould where the ground has been previously cultivated, Corepati, Yungas, April 27, 1894, M. Bang, 2165 (Cm), det. as « *Lippia urticoides* (Cham.) Steud ».

Aloysia virgata var. **elliptica** (Briq.) Moldenke — PARAGUAY : shrub 2-3 m tall, with white odorous flowers, L'Assomption, April 15, 1874, Balansa 1016, in part (Br-isotype).

Bouchea Rusbyi Moldenke — BOLIVIA : State undetermined : no data, as « 2225 », M. Bang 2226 (Cm-isotype).

Castelia cuneato-ovata Cav. — ARGENTINA : Tucumán : abundant in brambly ground along railroad tracks, with pink flowers, Cadillal, January 27, 1940, A. G. Schulz 2890 (N).

Citharexylum Jörgensenii (Lillo) Moldenke — ARGENTINA : Jujuy : 1913, Schuel 197 [Macbride photo 34315] (Kr-photo), type collection of *C. xenicum* Moldenke and so det.

Citharexylum myrianthum Chan. — PARAGUAY : tree 10-14 m tall, with yellow bark and yellowish petals, common in

wet thickets, Villarica, October 9, 1928, Jörgensen 3688 (Du), so det.

Clerodendrum fragrans var. **pleniflorum** Schau. — PARAGUAY : central Paraguay, T. Morong 615 (Cm, Cm), det. as « *Clerodendron fragrans* Willd ».

Diostea juncea (Gill. et Hook.) Miers — ARGENTINA : Río Negro : with blue flowers, Arroyo Cascada, Bariloche to Catedral, T. Meyer 7472 (N), so det.; Camp I, on the western side of Lago Moreno, Lago Nahuel Huapí, Patagonia, December, 1932, Ljungner 137 (Go), called « retamo », det. as « *Lippia juncea* Schauer » by Skottsberg; Puerto Nuevo, Llao Llao, Lago Nahuel Huapí, January 17, 1934, Ljungner 675 (Go), called « retamo ». CHILE : many-branched bush, 2-3,5 m tall, with white flowers, common in open on dry river terrace, alt. about 1500 m, Cordillera Peteroa-Planchon, Cañón Río Claro, February 15-19, 1936, Y. Mexia 7878 (Go), called « retama ».

Duranta Benthami Briq. — BOLIVIA : La Paz : La Paz, alt. 2600 m, Mandon 534 (Br-isotype, Br-isotype).

Junellia asparagoides (Gill. et Hook.) Moldenke — CHILE : Aconcagua : Gillies s. n. [Macbride photos 34355] (Kr-photo of isotype, N-photo of isotype). The labels under which these photographs were distributed are misleading in that they state that the collections was made by Gillies and Hooker.

Junellia aspera (Gill. et Hook.) Moldenke — ARGENTINA : Mendoza : between Mendoza and the Juga Andes, Uspallata, alt. 2800-8500 feet, Gillies and Cruickshanks s. n. [Macbride photo 34345] (Kr-photo), the label is misleading in that it designates the collection as « Hooker 857 » from Chile. PERÚ : Arequipa : shrub, with pinard-yellow flowers, on open rocky hill above Arequipa, alt. 2600-2700 m, April 7-16, 1925, F. W. Pennell 13187 (Cm).

Junellia bryoides (R. A. Phil.) Moldenke — CHILE : Atacama : shrub 1,2-1,5 m tall, the roots to 15 or more cm, thick and penetrating possibly 6 m down, used for wood, chiefly confined to canyon bottoms, along the road between La Ola Pampa and Potrerillos, Atacama desert, alt. 10500-12000 feet, 26°30' S. lat., Greninger 6 (Du). det. as « *Verbena bryoides* Phil. ».

Junellia connatibracteata (Kuntze) Moldenke — ARGENTINA : Río Negro: in the vicinity of General Roca, alt. 250-360 m, between Setember, 1914 and February, 1915, W. Fischer 183 (Cm), det. as « *Verbena connatibracteata* Kuntze »; Neneo Rucá, December 17, 1944, T. Meyer 7425 (Ml, N, N).

Junellia Echegarayi (Hieron.) Moldenke — ARGENTINA : Río Negro; in the vicinity of General Roca, alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 89 (Cm), det. as « *Verbena* sp. ».

Junellia juniperina (Lag.) Moldenke — ARGENTINA : Córdoba : forming a very characteristic vegetation-mat, reaching barely to the boundary of Santiago, by Chañar, November 29, 1871, Lorentz 7 (Vt), det. as « *Verbena juniperina* var. *campestris* Griseb. » Mendoza : near Mendoza, alt. 5000-9000 feet, Gillies s. n. [Macbride photos 34350] (Kr-photo), type collection of *Verbena juniperina* Gill. et Hook., the label under which the photograph was distributed is misleading since it states that the collection was made by Gillies and Hooker in Chile.

Junellia Lorentzii (Niederlein) Moldenke — ARGENTINA : Río Negro : in the vicinity of General Roca, alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 25 (Cm), det. as « *Verbena aspera* Gill. et Hook. ». Santa Cruz: Tehuelches, alt. about 300 m, November 26, 1928, Donat 56 (Go), det. as « *Verbena thymifolia* » and later changed to « *V. ligustrina* Lag. »; in the region of Mesetas Altas, alt. about 500 m, January 2, 1930, Donat 220 (Go), det. as « *Verbena ligustrina* Lag. ».

Junellia minima (Meyen) Moldenke — BOLIVIA : La Paz : Tiahuanaco, alt. 3850 m, December, 1912, Buchtien s. n. (Go), det. as « *Verbena minima* Meyen ».

Junellia minutifolia (R. A. Phil.) Moldenke — ARGENTINA : Chubut : Tecka, December 22, 1945, T. Meyer 9594 (N). Santa Cruz : Mesetas Altas, alt. about 600 m, January 1, 1930, Donat 201 (Go), det. as « *Verbena minutifolia* Phil. ». CHILE : Linares : Cordillera de Linares, January, 1856, Germain s. n. (Go), det. as « *Verbena minutifolia* R. A. Phil. pars typi *V. microphylla* Ph. non Kth. ». Santiago : Philippi 687 [Macbride photos 34342] (Kr-photo, N-photo), det. as « *Verbena muscoides* Phil. » The F. Kurtz 7581, Herb. Mus. Nac. Santiago 10, and Ameghino s. n. cited previously by me as this species, prove upon further examination to be *J. serpyllifolia*.

Junellia rosulata Moldenke — ARGENTINA : Chubut : with pink flowers, Tecka, December 25, 1945, T. Meyer 9586 (N-type).

Junellia rosulata f. **alba** Moldenke — ARGENTINA : Chubut : with white flowers, Estancia La Mimosa, December 25, 1945, T. Meyer 9587 (N-type).

Junellia selaginoides (Kunth) Moldenke — CHILE : Coquimbo : between La Torre and O'Valle, August 20, 1917, Skottsberg et Skottsberg 909 (Go).

Junellia seriphioides (Gill. et Hook.) — ARGENTINA : Mendoza : Río Atuel, alt. 3000 feet, Gillies s. n. [Macbride photos 34354] (Kr-photo of isotype, N-photo of isotype) the labels on these photographs are misleading since they state that the collection is « Hooker 857 » from Chile. Río Negro : in the vicinity of General Roca, alt. 250-360 m, between September, 1914, and February, 1915, W. Fischer 24 (Cm), det. as « *Verbena seriphioides* Gill. et Hook. » Salta : plants 15-25 cm tall, rigid, aromatic, with violet-

lilac flowers, on mountain slopes, alt. 3500 m, Incahuasi, January 25, 1940, A. G. Schulz 2883 (N).

Junellia serpyllifolia (Speg.) Moldenke — ARGENTINA: Chubut: Chonquek-aik, Río Chico, Patagonia, February, 1898, Ameghino s. n. (N), said to be a metatype of *Monopyrena serpyllifolia* Speg., previously cited by me as *J. minutifolia*; Comparta Naphoconol, Illin 240 [Herb. Instit. Biol. S. Paulo 24002] (N), previously cited by me as *J. Wilczekii*. Mendoza: Vega del Azufre, dept. Malal-hué, January 15, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cient. Nat. 36857] (N), previously cited by me as *J. Wilczekii*; depressed shrub, in sand, with lilac flowers, Puesto de Ubilla, Cordillera de Mendoza, Río Atuel superior, January 19, 1893, F. Kurtz 7581 (N), det. as « *Verbena microphylla* Kunth », previously cited by me as *J. minutifolia*. CHILE: Herb. Mus. Nac. Santiago 10 (N), det. as « *Verbena minutifolia* Phil. », previously cited by me as *J. minutifolia*.

Junellia spathulata (Gill. et Hook.) Moldenke — ARGENTINA: Mendoza: Gillies s. n. [Macbride photos 34347] (Kr-photo of isotype), the label of this photograph is misleading because it states that collection was made by Gillies and Hooker in Chile.

Junellia tridactylites (Lag.) Moldenke — ARGENTINA: Santa Cruz: Mesetas Altas, alt. about 600 m, January 7, 1930, Donat 221 (Go), det. as « *Verbena tridactylites* Lag. ».

Junellia tridens (Lag.) Moldenke — ARGENTINA: Santa Cruz: Patagonia, December 26, 1904, Dusén s. n. (Vt), det. as « *Verbena tridens* Lag. ».

Junellia trifurcata (R. A. Phil.) Moldenke — CHILE: Santiago: Philippi 739 [Macbride photos 3431] (Kr-photo), det. as « *Verbena tripartita* Phil. ».

Junellia uniflora (R. A. Phil.) Moldenke — CHILE : Coquimbo : Doña Ana, Cordillera de Coquimbo, alt. 4000 m, January, 1904, Reiche s. n. (Go), det. as « *Verbena uniflora* R. A. Phil. ».

Junellia Wilczekii (Briq.) Moldenke — The Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36857] and Illin 240 cited previously by me as this species prove upon further examination to be *J. serpyllifolia*.

Lantana achyranthifolia Desf. — BOLIVIA : Cochabamba : plants 30 cm tall, wet rocky places, alt. 2560 m, January, M. Cárdenas 2276 (W).

Lantana aristata var. **Cabrerae** Moldenke — BOLIVIA : Cochabamba : shrubs 60-100 cm tall, with whitish-lilac flowers, among bushes at river's edge, Panduro, near Río Caine, alt. 1800 m, March, 1944, M. Cárdenas 2459 (N).

Lantana Balansae Briq. — BOLIVIA : Department undetermined : Bridges s. n. (Br). PARAGUAY : Balansa 1034 (Brisotype).

Lantana brasiliensis Link — PARAGUAY : with flowers at first yellow, later white, Villa Rica, February 9, 1929, P. Jör-gensen 3708 (Po), det. as « *L. brasiliensis* ».

Lantana Camara L. — ARGENTINA : Misiones : shrub, with flowers reddish-yellow, in sandy soil, San Ignacio, March 27, 1914, Quiroga 7684 (Go), so det.

Lantana Chamissonis (D. Dietr.) Benth. — ARGENTINA : Misiones : Eldorado, March 6, 1944, T. Meyer 5470 (N).

Lantana cordobensis Moldenke — ARGENTINA : Chaco : plants 40-70 cm tall, the mature fruit white, in fertile soil at edge of woods, Quilitipi, February, 1941, A. G. Schulz 2984 (N), so det. Córdoba : with white flowers, Lorentz 165 (Vt), det. as « *L. Sellowiana* Link ».

Lantana Cummingiana Hayek — CHILE: Province undetermined H. Cuming 1065 [Macbride photos 34339] (Kr-photo of type, N-photo of type).

Lantana Fiebrigii Hayek — BOLIVIA: Department undetermined: Bridges s. n. (Br).

Lantana foetida Rusby — BOLIVIA: Cochabamba: shrub 1-1.5 m tall, with lilac and orange flowers, alt. 2560 m, March, M. Cárdenas 2220 (N); no data, M. Bang 2034 (Cm-isotype). URUGUAY: Concepción, April, 1878, Lorentz s. n. (Go), so det.

Lantana fucata Lindl. — BOLIVIA: Cochabamba: Yungas, M. Bang 585 (Ka), det. as «*L. vilutina* Mart. et Gal.».

Lantana micrantha Briq. — ARGENTINA: Salta: frequent in La Ollada, about 20 km from Coronel Moldes, alt. about 1200 m, dept. La Viña, February 2, 1941, Hunziker 1072 (W). BOLIVIA: Cochabamba: thorny shrub, 60 cm tall, with dark-purple flowers, in dry argillaceous soil along the road to Vacas, above Arami, alt. 2600 m, February, 1944, M. Cárdenas 2380 (N).

Lantana montevidensis (Spreng.) Briq. — BOLIVIA: La Paz: La Paz, alt. 10,000 feet, M. Bang 182 (Ka), det. as «*L. vilutina* Mart. et Gal.».

Lantana ovata Hayek — BOLIVIA: Departament undetermined: H. Cuming 150 [Macbride photos 34337] (Kr-photo of type).

Lantana procurrens Schau. — BOLIVIA: Cochabamba: herb, 20-30 cm tall, with yellow flowers, alt. 3000 m, January, M. Cárdenas 2278 (N).

Lantana rugulosa H. B. K. — BOLIVIA: Cochabamba: plants 50-100 cm tall, with white flowers, on grassy slopes, Mo-

rochata, alt. 2900 m, February, 1944, M. Cárdenas 2498 (W).

Lippia alba (Mill.) N. E. Br. — PARAGUAY: flowers pink, yellowish within, San Bernardino, October, 1915, Rojas 8326 (Go), det. as « *L. globiflora* O. K. » by Hassler.

Lippia asperrima Cham. — ARGENTINA: Chaco: plants 80-100 cm tall, with thick woody roots and rosy-yellow flowers, in bushy places near Río Guayeurú, Las Palmas, September 14, 1941, A. G. Schulz 2916 (N), so det.

Lippia boliviiana Rusby — BOLIVIA: Cochabamba: shrubs 30-60 cm tall, with white flowers, among bushes on rocky slopes, Panduro, near Río Caine, February, 1944, M. Cárdenas 2476 (W); shrubs 60-80 cm tall, with white flowers, on rocky slopes above Arami, alt. 2700 m, February, 1944, M. Cárdenas 2378 (W).

Lippia integrifolia (Griseb.) Hieron. — ARGENTINA: La Rioja: Cuesta Miranda, Sierra Famatina, March 10, 1879, Hieronymus et Niederlein 875 (Vt), det. as « *L. integrifolia* Hieron. » and later as « *L. turbinata* var. *integrifolia* Griseb. ».

Lippia pendula Rusby — BOLIVIA: Santa Cruz: alt. 1000 m, May, 1892, O. Kuntze s. n. (N), previously cited by me as *L. origanoides*.

Lippia suffruticosa (Griseb.) Kuntze — ARGENTINA: Tucumán: shrubs 70-100 cm tall, with aromatic foliage and white flowers, in fields around Río Salí, Tucumán, February, 1940, A. G. Schulz 2884 (N). BOLIVIA: Cochabamba: shrub, with dark-red flowers, in sandy soil, Panduro, near Río Caine, alt. 1800 m, February, 1944, M. Cárdenas 2470 (W), det. as « Lantana ».

Lippia tegulifera Briq. — ARGENTINA: Misiones: March, 1914, Quiroga 7682 (Go), so det.

Lippia turbinata Griseb. — ARGENTINA : Salta : shrub 1.5-2 m tall, with white flowers, abundant in fertile soil in valley, Rosario de Lerma, January 25, 1940, A. G. Schulz 2891 (N), called « poleo », so det.; frequent, Coronel Moldes, alt. about 1200 m, dept. La Viña, January 30, 1941, Hunziker 978 (W), called « poleo ».

Lippia turnerifolia Cham. — ARGENTINA : Salta : with yellow flowers, rare in Luga Potrero, Quebrada del Río El Manzano, Quijano, dept. Rosario de Lerma, February 4, 1941, Hunziker 1247 (W).

Neosparton aphyllum (Gill. et Hook.) Kuntze — ARGENTINA : Neuquén : Zapala, northern Patagonia, February, 1902, Hauman s. n. (Br), det. as « *N. aphyllum* OK. ».

Phyla nodiflora var. **canescens** (H. B. K.) Moldenke — CHILE : Coquimbo : Herradura, September 27, 1917, Skottsberg et Skottsberg 1058 (Go), as « *Lippia canescens* HBK. ». Taena : Taena, May 15, 1917, Skottsberg et Skottsberg 1493 (Go); Arica, Azapadalen, May 15, 1917, Skottsberg et Skottsberg 1492 (Go, Go), det. as « *Lippia nodiflora* (L.) Michx. ».

Phyla nodiflora var. **rosea** (D. Don) Moldenke — ARGENTINA : Río Negro: in the vicinity of General Roca, alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 105 (Cm), det. as « *Lippia nodiflora* (L.) ».

Rhaphithamnus spinosus (A. L. Juss.) Moldenke — CHILE : Valdivia : San Juan, R. A. Philippi s. n. (Vt), type collection of *Raphithamnus macracanthus* Gandoger; in woods, Valdivia, October 25, 1904, O. Buchtien s. n. (Vt), det. as « *Citharexylon cyanocarpum* Hook. et Arn. ».

Rhaphithamnus venustus (R. A. Phil.) B. L. Robinson — CHILE : Juan Fernández Islands : R. A. Philippi 788 [Macbride photos 34319] (Kr-photo of isotype, N-photo of isotype).

Stachytarpheta cayennensis (L. C. Rich.) Vahl — BOLIVIA : El Beni : Unduavi, alt. 8000 feet, H. H. Rusby 914 (Ka), det. as « *S. Jamaicensis* Vahl ».

Stachytarpheta Maximiliani var. **glabrata** Schau. — ARGENTINA : Misiones : plants 1-1.5 m tall, with flowers light-blue, along margin of stream, Yguazú, September 15, 1915, Rojas 8174 (Go), det. as « *S. cayennensis* » by the collector and as « *S. jamaicensis* » by Skottsberg. PARAGUAY : with blue flowers, very common in thickets, Villarica, October 10, 1928, P. Jörgensen 3907 (Du), det. as « *S. cayennensis* Vahl ».

Urbania pappigera R. A. Phil. — CHILE : Antofagasta : Cordillera Volcán Llullaillaco, dept. Talfal, alt. 4500 m, February, 1926, E. Werdermann 1019 (N), so det. Tarapacá : La Escalera, alt. about 4100 m, Cordillera Columtusca, March, 1926, E. Werdermann 1098 (N), so det.

Verbena araucana R. A. Phil. — CHILE : Linares : R. A. Philippi s. n. [Macbride photos 34344] (Kr-photo), the label of this photograph is misleading because it states that the collection was made in Argentina.

Verbena aurantiaca Speg. — ARGENTINA : Santa Cruz : Angostura, alt. about 300 m, December 30, 1929, Donat 219 (Go), so det.

Verbena Berterii (Meins.) Schau. — CHILE : Province undetermined : H. Cuming 519 (Br). Concepción : in bare places at Talcahuano, November 22, 1916, Skottsberg et Skottsberg 1491 (Go). Santiago : San Cristóbal, September 16, 1917, Skottsberg et Skottsberg 975 (Go). Valparaíso : Sal-todalen, August 26, 1917, Skottsberg et Skottsberg 930 (Go), det. as « *V. Berterii* Schau. ». The Skottsberg 843 previously cited by me as this species proves upon further examination to be *V. porrigens*. I am grateful to my friend and colleague, doctor Skottsberg, for calling my attention to the differences between these two species.

Verbena bonariensis L. — ARGENTINA : Río Negro : in the vicinity of General Roca, alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 236 (Cm), so det. BOLIVIA : Cochabamba : Feldrain, Incachaca, alt. 2200 m, prov. Chapare, March 19, 1929, J. Steinbach 9681 (Po). PARAGUAY : shrubby herb, 1-1.5 m tall, with blue-violet petals, Puerto Casado, Chaco, in fields and thickets, December, 1916, Rojas 13559 (Go), said by Hassler to be intermediate between *V. bonariensis* and *V. inamoena*.

Verbena brasiliensis Vell. — ARGENTINA : Córdoba : Estancia Germania, near Córdoba, June to December, 1874, P. G. Lorentz B. 1 (Vt), det. as « *V. ephedroides* Cham. », BOLIVIA : La Paz : La Paz, alt. 10000 feet, M. Bang 136 (Ka), det. as « *V. littoralis* H. B. K. ». URUGUAY : Gallinal, Aragone, Bergalli, Campal et Rosengurtt B. 765 1/3 (Ml).

Verbena Cabrerae Moldenke — ARGENTINA : Salta : rather frequent at La Ollada, about 20 km from Coronel Moldes, alt. about 1200 m, dept. La Viña, February 8, 1941, Hunziker 1212 (W).

Verbena cochabambensis Moldenke — BOLIVIA : Cochabamba : herb 50 cm tall, with blue-lilac flowers, Maica, alt. 2500 m, March, 1941, M. Cárdenas 2212 (N-type).

Verbena corymbosa Ruiz et Pav. — CHILE : Valdivia : in low wet places, Cutipai, February 18, 1904, O. Buchtien s. n. (Vt).

Verbena crithmifolia Gill. et Hook. — ARGENTINA : La Rioja : Cuesta de Sigu, Sierra Velasco, January, 1879, Hieronymus et Niederlein 99 (Vt), det. as « *V. crithmifolia* Hook. et Arn. » Mendoza : between Mendoza and the Andes, alt. 3000-6000 feet, Gillies s. n. [Macbride photos 34346] (Kr-photo of isotype), the label of this photograph is misleading because it states that the collection is « Gillies et Hooker 857 » from Chile, Río Negro : in the vicinity of

General Roca, alt. 250-360 m, between Setember, 1914 and February, 1915, W. Fischer 90 (Cm), so det.

Verbena Cumingii Moldenke — CHILE: Province undetermined: H. Cuming 908 (Br-type, N-fragment of type).

Verbena dissecta Willd. — ARGENTINA: Buenos Aires: Buenos Aires, Commerson s. n. [Macbride photos 39502, in part] (Kr-photo). Tucumán: T. Meyer 4288 (Ml); plants 30-50 cm tall, with pale-lilac flowers, abundant in fields around Río Salí, February, 1940, A. G. Schulz 2885 (N), det. as «*V. tenuisecta* ?»; plants 12-20 cm tall, always small, with fragrant lilac flowers, in brambly places in the park, Tucumán, A. G. Schulz 2889 (N), det. as «*V. tenuisecta* ?» URUGUAY: Commerson s. n. [Macbride photos 39502, in part] (Kr-photo); Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 5262 (Ml).

Verbena flava Gill. et Hook. — ARGENTINA: Río Negro: in the vicinity of General Roca, alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 59 (Cm), so det.

Verbena foetida R. A. Phil. — CHILE: Linares: Germain s. n. [Macbride photos 34353] (Kr-photo of isotype), the label of this photograph is misleading because it gives the collector as Philippi.

Verbena gracilescens (Cham.) Herter — ARGENTINA: Misiones: with lilac flowers, along the Río Paraná, near Posadas, December 11, 1936, W. A. Archer 4627 (H). Río Negro: in the vicinity of General Roca: alt. 250-360 m, between September, 1914 and February, 1915, W. Fischer 203 (Cm), det. as «*V. gracilescens* Cham.». BOLIVIA: Cochabamba: herb 30-40 cm tall, with very small blue flowers, at edges of cultivated fields, Cochabamba, alt. 2560 m, November, 1943, M. Cárdenas 2390 (N), called «yerba de la golondrina».

Verbena Hasslerana Briq.—PARAGUAY: with bluish-red petals, common in thickets, Ibatí, November 4, 1928, P. Jörgensen 3769 (Du).

Verbena hispida Ruiz et Pav.—ARGENTINA: Chaco: plants 25-40 cm tall, with pale-lilac flowers, abundant in fertile soil at edge of woods, Enrique Urien, February 17, 1938, A. G. Schulz 6387 (N), so det. PERÚ: Arequipa: on sand bars, Río Chile, Tingo, alt. 7500 feet, near Arequipa, March 8, 1939, P. A. Munz 15487 (Po), so det.

Verbena incisá Hook.—ARGENTINA: Salta: frequent, Coronel Moldes, alt. about 1200 m, dept. La Viña, January 31, 1941, Hunziker 1033 (W). Tucumán: plants 25-40 cm tall, with red flowers, abundant in fertile soil of fields, Tucumán, February, 1940, A. G. Schulz 2887 (N), so det. PARAGUAY: very common, Villarica October 9, 1928, P. Jörgensen 3772 (Du), det. as «*V. platensis* Spreng.».

Verbena Landbecki R. A. Phil., Linnaea 33: 194. 1864-1865.
CHILE: Coquimbo: Choapa, R. A. Philippi s. n. [Macbride photos 17425] (Kr-photo of isotype, N-photo of isotype).

Verbena littoralis H. B. K., Nov. Gen. et Sp. Pl. 2: 276, pl. 137. 1817; Ann. Conserv. et Jard. Bot. Genève 7-8: 292. 1904; Arkiv Bot. 2(10): 11. 1904; Herter, Revist. Sudam. Bot. 4: 186-187. 1937, Standl., Field Mus. Publ. Bot. 18: 1015, 1938; Parodi, Darwiniana 4: 55. 1940; Jepson, Fl. Calif. 3 (2): 380. 1943.—*Verbena littoralis* H. B. K. apud C. Skottsberg, Ecology 16: 372. 1935; Gallinal et al., Stud. Nat. Meadows Urug. 24, 81, 94, 102, 109, 112, 118, 128, 147, 150, 153, 154 et 156. 1938; Herter, Beih. Bot. Centralbl. 59: 275. 1939; Calderón et Standl., Flor. Salvad., ed. 2, 239. 1941; Rosengurtt, Estud. Prad. Nat. Urug. 3: 236 (1943) et 4c: 8. 1944; Cabrera et Dawson, Rev. Mus. La Plata Bot. 5: 357. 1944.—*Verbena littoralis* var. *leptostachya* Schau. in A. DC., Prodr. 11: 542, in part. 1847; R. A. Phil., Anal. Univ. Chil. 35: 192. 1870.—*Verbena bona-*

riensis var. *littoralis* Hook., *Bot. Misc.* 1: 166. 1829. — *Verbena affinis* Mart. et Gal., *Bull. Acad. Roy. Brux.*, ser. 1, 11 (2): 322. 1844. — *Verbena littoralis* Kunth apud C. Gay, *Hist. Fis. Chil. Bot.* 5: 21-22. 1849; Briq., *Ann. Conserv. et Jard. Bot. Genève*. 4: 18. 1900.

ARGENTINA: Buenos Aires: around the Berisso, Playa Municipal, January 13, 1939, A. Chicchi 5 (N); in dry campos, Monte, February 16, 1938, A. L. Cabrera 4317 (N); in meadows, Abasto, in the vicinity of Río La Plata, October 19, 1932, A. L. Cabrera 2386 (N, N); Isla Santiago, April 30, 1932, A. L. Cabrera 2159 (N); La Boca, June 29, 1882, J. Ball s. n. (C), so det.; in the environs of the city of Buenos Aires, October 19, 1913, H. M. Curran s. n. (N), det. as «*V. littoralis*»; Punta Lara, Partido de La Plata, January 4, 1940, G. Dawson, 946 (N); with blue flowers, Quilmes, November 28, 1912, S. Venturi 93 [Herb. Inst. Miguel Lillo 31395] (N), det. as «*V. littoralis* H. B. K.»; Paraná de las Palmas, Delta del Paraná, May, 1925, A. C. Scala 10001 (N); between Ensenada and Punta Lara, on the banks of the Río Plata, Partido de La Plata, April 2, 1931, A. L. Cabrera 1710 (N); Palo Blanco, near the Río la Plata, Partido de La Plata, April 14, 1929, A. L. Cabrera 861 (N); Olivos, January 1935, A. Pastore 137 (N); in woods near the Río la Plata, Partido de La Plata, March 31, 1932, A. L. Cabrera 2108 (N). Córdoba: San Javier, January 26, 1939, A. Castellanos s. n. [Herb. Mus. Arg. Cienc. Nat. 31201] (N); San Javier, February 12, 1939, A. Castellanos s. n. [Herb. Mus. Arg. Cienc. Nat. 31203] (N); Córdoba, December, 1891, O. Kuntze s. n. (N), det. as «*V. littoralis* Kth.»; with lilac flowers, La Falda, dept. Punilla, March 21, 1940, A. P. Rodrigo 2310 (N); Unquillo, 1926, C. Bruch 2835 (N). Corrientes: from Curuzú to Cuatiá, November 25, 1940, A. Castellanos s. n. [Herb. Mus. Arg. Cienc. Nat. 34489] (N). Salta: October, S. Venturi 5471 (V). Santa Fe: in the vicinity of Santo Tomé, January to February, 1936, M. M. Job 1042 (N). Tucumán: Escaba, alt. 690 m, Río Chico, December 15, 1913, Monetti 1719 [Herb. Inst. Miguel Lillo 31400] (N), det. as «*V. littoralis* H. B. K.».

BOLIVIA : Province undetermined : alt. 3600 m, April 1-4, 1892, O. Kuntze s. n. (N), det. as « *V. littoralis* H. B. K. ». Cochabamba : J. Steinbach 5901 (Cb). El Beni: Beni River, July, 1886, H. H. Rusby 908 (C), det. as « *V. littoralis* H. B. K. »; La Paz: La Paz, alt. 10000 feet, M. Bang 204 (Mi); near Yungas, alt. 4000 ft., 1885, H. H. Rusby 907 (C), det. as « *V. littoralis* H. B. K. »; Cotaña on the Ilimani, alt. 2450 m, November, 1911, O. Buchtien 197 (N), so det. ; everywhere in cultivated and burned ground and hedgerows, in the vicinity of Sorata, 1878, G. Mandon 723 (N), det. as « *V. littoralis* H. B. K. » by Britton; Sorata, al. 8000 feet, February, 1886, H. H. Rusby 911 (C), det. as « *V. Bonariensis* L. ». Santa Cruz: about 1 m tall, with blue flowers and green spikes, medicinal, used on contusion, along walls and by stockyards, Buena Vista, prov. Sara, November 27, 1920, J. Steinbach 3137 (N). CHILE : Atacama : desert of Atacama, September to October, 1890, T. Morong 1204 (C), so det. Concepción : with blue flowers, Monte AgUILA, alt. 200 m, Fundo Valencia, November 1-3, 1939, G. Looser 3995 (N). Santiago : Quinto Normal, December, 1877, Herb. Mus. Nat. Santiago 15 (N). Valparaíso : with blue flowers, Limache, Cerro Cruz, November 4, 1930, A. Garaventa 1661 [Looser 4026] (N), det. as « *V. littoralis* ? »; in shady places, Limache, September 23, 1929, G. Looser 1401 (N), so det. with a question; same locality, October 11, 1926, G. Looser 4033 (N); Valparaíso, United States Exploring Expedition [Wilkes] s. n. (T), det. as « *V. littoralis* ». Juan Fernández Islands : Masatierra : C. Skottsberg et Skottsberg 180 (Go). PARAGUAY : with violet-blue flowers, in wet fields, Puerto Casado, Chaco, December, 1916, Rojas 13556 (Go); Fiebrig 4432 (V); Hassler 2585 (V); Asunción, December 24, 1936, W. A. Archer 4788 (N), called « verbena », said to be a general remedy and also used for coughs, det. as « *V. littoralis* H. B. K. » by Killip; on shores of the river near Carapagná, October 1885-1895, E. Hassler 1242 (N), det. as « *V. littoralis* var. *caracasana* Briq. ». URUGUAY : Herter 269 b [Herb. Herter 78724] (He); with clear-blue flowers, common in thickets and

river meadows, Cerrillos, Río Santa Lucía, Canelones, Rosengurtt A. 1241 (N); on grassy slopes, Palleros, Río Negro, dept. Cerro Largo, December, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt 1269 (N), det. as «*V. littoralis*»; Río Té and Arroyo Matanzas, Flores, November, 1936, Rosengurtt B. 507 (N), as «*V. littoralis*»; along roadsides, alt. 30 m, in dry sandy soil exposed to sun, Miguelete, dept. Montevideo, March, 1927, Herter 269 [Herb. Herter 81713; Herb. Instit. Biol. S. Paulo 26634] (Ca, N, N), plants 1 m tall, det. as «*V. littoralis* Kunth»; in river woods, damp soil, alt. 100 m, Palleros, dept. Cerro Largo, March 9-16, 1935, Herter 95525 (N); Montevideo, December 7, 1891, O. Kuntze s. n. (N), as «*V. littoralis* Kth.».

Verbena littoralis var. **caracasana** (H. B. K.) Briq, *Verbena caracasana* H. B. K., *Nov. Gen. et Sp. Pl.* 2: 275. 1817. — *Verbena littoralis* var. *leptostachya* Schau. in A. DC., *Prodr.* 11: 542, in part. 1847. — *Verbena littoralis* var. *caracasana* (Kunth) Briq., *Ann. Conserv. et Jard. Bot. Genève*. 7-8: 292. 1904.

ARGENTINA : Mendoza : E. Carette 3050 (N).

Verbena lipozygooides Walp., *Repert. Bot.* 4: 16. 1844; C. Gay, *Hist. Fis. Chile Bot.* 5: 11. 1849.

CHILE : Province undetermined : Besser 136 [Macbride photos 17427] (Kr-photo, N-photo).

Verbena lobata Vell., *Fl. Flum.* 18 (1825), 1: pl. 43. 1827; Sam-piao et Peckolt, *Arq. Mus. Nac. Rio Janeiro* 37: 392 et 393. 1943.

ARGENTINA : Misiones : November, Niederlein s. n. [Herb. Mus. Nac. Hist. Nat. Buenos Aires 23600] (Ra). Salta : Río de las Piedras, dept. Orán, November 23, 1911, D. Rodríguez 55 [Herb. Inst. Miguel Lillo 31564] (N).

Verbena marrubiooides Cham., *Linnaea* 7: 266. 1832.

ARGENTINA : Catamarca : Belén. February 24, 1929, A.

L. Cabrera 1099 (N, N) det. as « cfr. *V. marrubiooides* Cham. » by Killip; Sierra de Gracián, January 10, 1940, A. Castellanos s. n. [Herb. Mus. Arg. Cienc. Nat. 33877] (N); El Candado, dept. Andalgalá, February 5, 1915, P. Jörgensen 1028 [Herb. Inst. Miguel Lillo 31350] (N), det. as « *V. chamaedrifolia* Juss. »; Córdoba: near Cassaffousth, September 9, 1915, J. N. Rose et P. G. Russell 21052 (N); procumbent, very abundant, Ascochinga, alt. 700 m, October 26, 1936, N. S. Troncoso 292 (N); January, with violet flowers, Lossen 72 (Ba), det. as « *V. erinoides* ». URUGUAY: Sellow 2800 (Vt); with violet flowers, in dry sunny soil of rocky campos, Catalán, alt. 100-200 m, dept. Artigas, November, 1927, Herter 1000 [Herb. Herter 82763] (N), so determined with a query by Herter; in dry rocky and sandy soil, in sunlight, in campo, alt. 150 m, Valle Edén, dept. Tacuarembó, September, 1928, Herter 1000a [Herb. Herter 83913] (N), det. as « *V. humifusa* Cham. ».

Verbena megapotamica Spreng., *Syst. Veg.* 4 (2): 230. 1827; Kuntze, *Rev. Gen. Pl.* 3 (2): 256. 1898; *Arkiv. Bot.* 2 (10): 7-22. 1904; Herter, *Revist. Sudam. Bot.* 4: 186-187. 1937. *Verbena phlogiflora* var. α Cham., *Linnaea* 7: 266. 1832 *Verbena phlogiflora* var. *mucilenta* Schau. in A. DC., *Prodr.* 11: 538. 1847. *Verbena phlogiflora* var. *macilenta* Schau. apud Kuntze, *Rev. Gen. Pl.* 3 (2): 256. 1898; Briq., *Ann. Conser. et Jard. Bot. Genève* 7-8: 288. 1904. *Glandularia megapotamica* (Spreng.) Cabrera et Dawson, *Rev. Mus. La Plata Bot.* 5: 357. 1944.

ARGENTINA: Buenos Aires: Punta Lara, December 8, 1930, A. L. Cabrera 1584 [Herb. Instit. Biol. S. Paulo 24564] (N), det. as « *V. peruviana* (L.) Britton »; Punta Lara, Partido de La Plata, October 28, 1939, A. L. Cabrera 5378 (N, N), det. as « *V. phlogiflora* »; with blue corollas, in west soil in clearing in woods. Punta Lara, November 11, 1935, A. L. Cabrera 3401 (Bt, N); with violet flowers, Tigre, Delta del Paraná, November 26, 1936, L. R. Parodi 12250 (N), det. as « *V. phlogiflora* »; Delta del Paraná, Canal Arias and Paraná de las Palmas, January

18, 1931, A. L. Cabrera 1618 (N). PARAGUAY: on the plain of Lhutini, September 3, 1874, Balansa 1024 (N), det. as « *V. megapotamica* var. *Tweediana* (Niven) Kuntze ».

Verbena mendocina R. A. Phil., *Anal. Univ. Chile* 35: 191 (1870) et 90: 609. 1896. *Glandularia mendocina* (Phil.) Covas et Schnack, *Rev. Argent. Agronom.* 11: 96. 1944; Covas et Schnack, *Darwiniana* 7: 86. 1945.

ARGENTINA: Mendoza: near Mendoza, October, 1870, R. A. Philippi s. n. [Macbride photos 17430] (Kr-photo of isotype, N-photo of isotype).

Verbena microphylla H. B. K., *Nor. Gen. et Sp. Pl.* 2: 220 [272-273 in uncolored ed.], pl. 133. 1818.

ARGENTINA: Catamarca: Cerrillos, alt. 3100 m, Sierra Anconquija, dept. Santa María, December 16, 1933, Peirano s. n. [Herb. Inst. Miguel Lillo 32849] (N); same locality, Peirano s. n. [Herb. Inst. Miguel Lillo 32844] (N); La Hoyada, dept. Andalgalá, February 25, 1917, P. Jørgensen 1737 [Herb. Inst. Miguel Lillo 31472] (N), det. as « *V. glandularia* »; El Puesto, alt. 2700 m, Dumteros. S. de Culampajas, dept. Belén, January, 1936, Peirano s. n. [Herb. Inst. Miguel Lillo 32933] (N). Jujuy: with white flowers, Sierra de Zenta, alt. 4000 m, February, 1931, Budin 7492 [Herb. Inst. Miguel Lillo 32798] (N), so det. Los Andes: with white flowers, Chonhillos, alt. 4000 m, March, 1930, Budin 6511 [Herb. Inst. Miguel Lillo 32797] (N), so det. Tucumán: Cerro Muñoz, alt. 4000 feet, May 25, 1906, M. Lillo 5039 [Herb. Inst. Miguel Lillo 31474] (N), so det.; Cuesta de los Cardones to Molle. alt. 3600 m, dept. Tafí, November, 1932, Schreiter 8714 [Herb. Inst. Miguel Lillo 32902] (N). BOLIVIA: Province undetermined: in the Andes, G. Mandon 525 (T). La Paz: Tiahuanau, alt. 3850 m, December, 1913, O. Buchtien 433 (N), so det.; in the vicinity of La Paz, alt. 10,000 feet M. Bang 161 (C), so det. 161a (C), so det.; La Paz, alt. 3600 m, 1912, O. Buchtien s. n. (La). Oruro: with lilac flowers, Oruro, March 14, 1894, O. Kuntze s. n. (N), so det.

Verbena montevidensis Spreng., *Syst. Veg.* 2: 747. 1825.

URUGUAY: Montevideo, Sellow s. n. [Macbride photos 17432] (Kr-photo of type, N-photo of type), annotated by Kuntze who says the species has no relationship to *V. stellarioides* to which it was reduced by Schauer.

Verbena nivea Moldenke, *Phytologia* 1: 459. 1940.

ARGENTINA: Jujuy: plants herbaceous, procumbent, with white or light-purplish flowers, La Quiaca, February 17, 1940, T. Meyer 3167 (N); flowers bluish-white, Quebrada de Salitre, dept. Yavi, February 23, 1940, T. Meyer s. n. [Herb. Inst. Miguel Lillo 34401] (N); flowers white, Humahuaca, alt. 3700 m, Sierra del Aguilal, March, 1929, S. Venturi 8777 (E, N). Salta: along the highway to San Antonio, Rosario de Lerma, alt. 3000 m, December, 1929, S. Venturi 10014 (N-type).

Verbena officinalis L., *Sp. Pl.*, ed. 1, 20. 1753; Pulteney, *Hist. Biog. Sketches* 1: 5-7. 1790; A. Richard in Marthe, *Cat. Pl. Jard. Méd. Paris* 67. 1801; Mackay, *Fl. Hibern.* 208-209. 1836; Stewart et Corry, *Flora North-east Ireland* 285-286. 1888; Watt, *Dic. Econ. Prod. Ind.* 6 (4): 229. 1893; *Quart. Journ. Geol. Soc. Lond.* 76 (2): 157. 1920; Domin, *Bibl. Bot.* 89 (6): 1106. 1928; Gier, *Trans. Kans. Acad. Sci.* 34: 261. 1931; Junell, *Sym. Bot. Upsal.* 4: 11, 164, 169, 170 et 210. 1934; Bedevian, *Illustr. Polyglot. Dict.* 609-610. 1936; Lütjeharms et Van Ooststroom, *Blumea* 2 (2): 82. 1936; Young, *Trans. et Proc. Bot. Soc. Edinb.* 32: 114. 1936; Buchli, *Beitr. Geobot. Landesauf. Schweiz* 19: 63. 1936; Herter, *Rev. Sudam. Bot.* 4: 186-187. 1937; A. A. et K. H. Rechinger in Fedde, *Repert. Beih. C*: 131. 1938; *Svensk. Bot. Tidesk.* 32: 231. 1938; Gallinal et al., *Stud. Nat. Mead. Urug.* 95. 1938; Da Cunha et Sobrinho, *Revist. Facul. Cienc.* 3: 5. 1938; Moldenke, *Annot. List.* 108. 1939; Hoehne, *Pant. Subs. Tox. Med.* 249 et 250, fig. 204 i. 1939; Deam, *Fl. Indiana* 1084. 1940; Ranson, *Texas Wild Fl. Legends*, ed. 2, 113. 1940; Da Cunha et Sobrinho, *Bol. Soc. Brother.*, ser. 2, 14: 11. 1940;

Telles Pallinha et al., *Contrib. Conh. Fl. Açores* 52. 1941; Webster, *Herbs.* 27, 31 et 32. 1942; Yunker, *Bishop Mus. Bull.* 178: 101. 1943; R. S. Woods, *Naturalists Lex.* 271. 1944; Merrill, *Guide Florida Pl.* 48. 1945; Covas et Schnack, *Darwiniana* 7: 86. 1945; Roig y Mesa, *Plant. Med. Cuba* 670-671. 1945. *Verbena communis* Thornton, *Brit. Fl.* 1: 27. 1812. *Verbena sororia* D. Don, *Prod. Fl. Nep.* 104. 1825; Crevost et Pételot, *Bull. Econom. Indo-Chine* 37: 1287. 1934.

BOLIVIA: Cochabamba: Cochabamba, alt. 2700 m, May, 1909, O. Buchtien 2414 (N), so det. also by Rusby. CHILE: Concepción: cultivated in the Jardín Botánico, Concepción, April 21, 1938, G. Looser 3996 (N), so det. with a question by Looser. Valdivia: Teja island, alt. 15 m, March, 1929, E. Werdermann 1916 (E, N, N).

Verbena origenes R. A. Phil., *Linnæa* 29: 20. 1858. *Verbena deserticola* R. A. Phil., *Fl. Atac.* 40. 1860.

CHILE: Herb. Nac. Santiago 6 (N), so det. Atacama: Copiapó, alt. 3800 m, January, 1926, E. Werdermann 959 (N); R. A. Philippi s. n. [Macbride photos 17434] (Kr-photo), type collection of *V. deserticola*. Coquimbo: Baños del Toro, Andes, February, 1938, R. Espinosa 24 (N), so det.; Baños del Toro, Cordillera de Coquimbo, alt. 3400 m, January 18, 1936, A. L. Cabrera 3528 (N, N), det. as « *V. palmata* Reiche ». Ovalle: J. Tribarren s. n. [T. Meyer 4001] (N).

Verbena ovata Cham, *Linnæa* 7: 263-264. 1832.

ARGENTINA: Misiones: Santa Ana, September 17, 1912, D. Rodríguez 596 [Herb. Inst. Miguel Lillo 31445; Herb. Mus. Arg. Cienc. Nat. 23779] (N, N).

Verbena paraguariensis Moldenke, *Phytologia* 1: 483-484. 1941.

PARAGUAY: on high plateau and declivities, Sierra de Amambay, December, 1907, T. Rojas s. n. [E. Hassler 9751] (B-isotype, Cb-type, N-fragment of isotype, N-photo of type, N-photo of isotype, S-photo of type, V-isotype, Z-photo of type, Z-photo of isotype).

Verbena parvula Hayek in Engl., *Bot. Jahrb.* 42 : 162. 1908.

BOLIVIA : Cochabamba : in the valley of Cochabamba, alt. 2600 m, November 25, 1928, J. Steinbach 8729a (W). Tarija : 1903-1904, K. Fiebrig 3415 [Macbride photos 17436] (Kr-photo of type, N-photo of type).

Verbena peruviana (L.) Britton in Morong et Britton, *Ann. N. Y. Acad. Sci.* 7: 197. 1892; *Florists Exch.* 89 (3): 45. 1937; *Darwiniana* 3 : 54. 1937; Herter, *Revist. Sudam. Bot.* 4 : 186-187. 1937; Herter, *Beih. Centralbl.* 59 : 275. 1939; Moldenke, *Annot. List* 108. 1939; *Chron. Bot.* 5 : 517. 1939; Parodi, *Darwiniana* 4: 55. 1940; Balls, *Gard. Chron. Amer.* 45 : 36. 1941; Ragoniese, *La Veget. Prov. Santa Fe* 413. 1941; Rosengurtt, *Estud. Prad. Nat. Urug.* 4 : 8. 1944. *Erinus peruvianus* L., *Sp. Pl.*, ed. 1, 879. 1753; Cabrera, *Dagi Pub. Tec.* 3 : 75. 1945. *Verbena chamaedrifolia* A. L. Juss, *Ann. Mus. Paris* 7 : 73. 1806; Britton et P. Wils., *Scient. Surv. Porto Rico* 6: 138. 1925; Parodi, *Rev. Argent. Agron.* 1 : 202. 1934; Junell, *Symb. Bot. Upsal.* 4: 11, 19, 171 et 210. 1934; *Gard. Chron.*, ser. 3, 101 : 423. 1937; Herter, *Revist. Sudam. Bot.* 4 : 186-187. 1937; Rosengurtt, *Estud. Prad. Nat. Urug.* 3: 236. 1943. *Verbena veronicaefolia* J. E. Sm. in Rees, *Cycl.* 36, n° 28. 1817. *Verbena Melindres* Gill. in Lindl., *Bot. Reg. pl.* 1184. 1828. *Verbena melindroides* Cham., *Linnaea* 7: 270. 1832. *Verbena melissoides* Sweet ex Steud., *Nom. Bot.*, ed. 2, 2 : 750. 1840. *Verbena chamaedrifolia* var. *Melindres* (Gill.) Schau. in A. DC., *Prodr.* 11 : 537. 1847. *Verbena chamaedrifolia* var. *melindroides* (Cham.) Schau. in A. DC., *Prodr.* 11 : 537. 1847. *Verbena peruviana* (L.) Druce, *Rep. Bot. Exch. Club. Brit. Isles* 1913, 3 : 425. 1914; Ind. Kew. Suppl. 5. 1921. *Glandularia peruviana* (L.) Small, *Manual Southeast Fl.* 1139. 1933; Cabrera, *Dagi Pub. Tec.* 3 : 27, 38, 45 et 75. 1945; Covas et Schnack, *Darwiniana* 7 : 86. 1945. *Verbena chamaedryfolia* Juss. apud T. Meyer, *Mem. Comis. Invest. Lang. Corresp.* 154. 1934; Questel, *Fl. Island St.-Barthol.* 179. 1941. *Verbena peruviana* Juss. apud Gallinal et al., *Stud. Nat. Mead. Urug.* 81. 1938.

ARGENTINA: Buenos Aires, *Commerson* 71 [Herb. Jussieu 5141, in part; Macbride photos 39503, in part] (Kr-photo); Estancia Leinez, Sierra de la Ventana, November, 1895, N. Alboff 3840 (N); on railroad embankment, Juancho, Partido de General Madariaga, November, 1935, A. L. Cabrera 3388 (N), so det. as « *V. chamaedrifolia* »; Loma Negra, Olavarria, October, 1933, P. Boffa 36 (N), det. as « *V. chamaedrifolia* »; Buenos Aires, 1894, Floyer 35 (C), det. as « *V. chamaedrifolia* Gill. et Hook. »; Elizalde, La Plata, October 11, 1930, A. L. Cabrera 1477 [Herb. Inst. Biol. S. Paulo 24914] (N), det. as « *V. chamaedrifolia* Juss. »; Miramar, November 2, 1940, P. Boffa 3112 (N), det. as « *V. peruviana* R. et P. »; with red flowers, on road to the coast, Partido Magdalena, October 16, 1940, A. P. Rodrigo 2340 (N); Sierra de la Ventana, Molfino s. n. [Herb. Inst. Biol. S. Paulo 25789] (Sp). Chaco: herb. 30-40 cm tall, with red flowers, a rather rare form, with the leaves and stems procumbent, slightly ascending, in fertile campo, Colonia Benítez, February, 1933, A. G. Schulz 1476a (N); same locality, in fertile sandy soil of grassy meadow, plants perennial, stems procumbent, flowers large, pale-rose, very rare, December, 1935, A. G. Schulz 1479 (N); herb. 30-40 cm tall, with red flowers, rather rare, with procumbent stems, slightly ascending, the flowers larger than in nº 1475, in grassy fields, Colonia Benítez. November, 1933, A. G. Schulz 1476 (N); T. Meyer 2943 (N); A. G. Schulz 1466 (N). Córdoba: Estancia Germania near Córdoba, June to December, 1874, Lorentz B (Vt), det. as « *V. chamaedrifolia* L. »; Unquillo, 1926, C. Bruch 8520 (N); with red flowers, Cosquín, alt. 730 m, January to February, 1936, A. P. Rodrigo 246 (N); with red flowers, Salsipuedes, dept. Colón, March, 1938, G. Dawson 133 (N), so det., called « Sangre del Señor »; Totoral, Gral. Mitre, July 29, 1939, R. Maldonado B. 98 (N), so det.; Córdoba, December, 1891, O. Kuntze s. n. (N), so det.; San Javier, January 12, 1939, A. Castellanos s. n. [Herb. Mus. Arg. Cient. Nat. 31194] (N); creeping, with intense red flowers, Ascochinga, October 10, 1936, N. S. Troncoso 318 (N); with scarlet

flowers, Lossen 10 (Ba). Jujuy: stems prostrate, upturned to the flower-heads, to 18 inches long, of loose spreading habit with brilliant scarlet flowers to 3/8 inches in diameter in flattened heads to 2 1/2 inches across, and hairy slightly grayish leaves, growing among turf and herbage along railroad embankments, usually in somewhat sunny exposures and fairly dry stony loam, alt. 5300 feet, Balls 5947 (W). La Pampa: January, 1892, O. Kuntze s. n. (N), so det. Santa Fe: Arroyo Saladillo, Rosario, January to February, 1936, M. M. Job 569 (N), det. as « *V. chamaedrifolia* »; frequent on the road from Reconquista to Dr. Barros Pazos, January to February, 1936, M. M. Job 803 (N), det. as « *V. chamaedrifolia* »; Aurelia, near Santa Fe, Feddersen s. n. (Cp). Santiago del Estero: Beltrán, May 12, 1940, R. Maldonado 312 (N).

BOLIVIA: Tarija: stems prostrate, to 12 inches long, with brilliant scarlet flowers to 3/8 inch in diameter in flattened heads to 2 1/4 inches across, and small gray leaves, growing by roadsides and in fields in parched grass and thin turf in rather heavy poor clayey soil, alt. 6500 feet, February, Balls 6088 (W).

PARAGUAY: November, E. Hassler 2584 (V).

URUGUAY: Montevideo, May, 1767, Commerson 72 [Herb. Jussieu 5141, in part; Macbride photos 39503, in part] (Kr-photo, N), det. as « *V. chamaedrifolia* Juss. (*V. Melindres* Bot. Reg.) »; Colonia, January, 1901, Mrs. O. C. James s. n. (Du); Montevideo, C. Gay s. n. (N, N), det. as « *V. chamaedrifolia* (*V. Melindres* Lindl.) »; Banda Oriental del Uruguay, 1816-1821, A. de Saint-Hilaire 2069 bis (N), det. as « *V. chamaedrifolia* Juss. »; Montevideo? 1816-1821, A. de Saint-Hilaire s. n. (N), det. as « *V. chamaedrifolia* Juss. »; flowers blood-red, called « margarita punzó », in campo, Sayago, alt. 30 m, dept. Montevideo, October to December, 1909, W. Herter 32160 (N), det. as « *V. chamaedrifolia* Juss. »; with cinnabar-red flowers, called « margarita punzó », in dry sandy campo exposed to the sun, alt. 5-20 m, Pocitos, dept. Montevideo, September, 1924, W. Herter 19b [Herb. Herter 71313] (N), det. as « *V. cha-*

maedrifolia Juss. »; with red flowers, common in fields, Escuela de Agronomía, Paysandú, January 21, 1937, Rosengurtt B. 914 (N); on grassy slopes, San Pedro, Cerro Colorado, dept. Florida, December, 1937, Rosengurtt B. 749 (N), so det.; frequent in fields, Río Yi and Arroyo Matanzas, dept. Flores, November 25, 1936, Rosengurtt B. 549 (N), so det.; in grassy slopes, Santa Adelaida, Arroyo Grande, dept. Flores, November, 1937, Gallinal, Aragone, Bergalli, Campal et Rosengurtt 1009 (N), so det.; in dry sunny sandy soil of campo on shore of the Río La Plata, flowers cinnabar-red, Pocitos, dept. Montevideo, September, 1924, W. Herter 19 [Herb. Herter 71313] (Ba, I); with red flowers, in grassy places, Monzón-Heber, Juan Jackson, dept. Soriano, November, 1941, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 4800 (N).

Verbena phlogiflora Cham., *Linnaea* 7: 266. 1832; Junell, *Symb. Bot. Upsal.* 4: 11, 171 et 210. 1934; Troncoso, *Darwiniana* 3: 55. 1937; Parodi, *Rev. Argent. Agron.* 1: 202. 1934; Herter, *Revist. Sudam. Bot.* 4: 186-187. 1937; Moldenke, *Annot. List* 108. 1939; Parodi, *Darwiniana* 6: 150 et 175. 1943; Sampaio et Peckolt, *Arquiv. Mus. Nac. Rio de Jan.* 37: 392. 1943. ? *Verbena Cunha Vell.*, *Fl. Flum.* 17 (1825), 1: pl. 41. 1827; Sampaio et Peckolt, *Arquiv. Mus. Nac. Rio de Jan.* 37: 392. 1943. *Verbena Tweediana* Niven ex Hook., *Bot. Mag.* 63: pl. 3541. 1836; Paxt., *Bot. Mag.* 4: 5 1838; Sweet, *Brit. Fl. Gard.*, serie 2, 4: pl. 391. 1837. *Verbena phlogiflora* var. *vulgaris* Schau. in A. DC., *Prodr.* 11: 537. 1847. *Verbena megapotamica* var. *phlogiflora* (Cham.) Kuntze, *Rev. Gen. Pl.* 3 (2): 256. 1898. *Verbena megapotamica* var. *Tweediana* Kuntze, *Rev. Gen. Pl.* 3 (2): 256. 1898; Briq., *Arkiv. Bot.* 2 (10): 7-8. 1904. *Glandularia phlogiflora* Covas et Schnack, *Darwiniana* 6: 475 (1944) and 7: 86 et 88. 1945. *Verbena phlogiflora* var. *truncatula* Briq. apud Moldenke, Alph. List Invalid Names 49, in syn. 1942. *Verbena phlogiflora* var. *Tweediana* (Niven) Kuntze apud Moldenke, Alph. List Invalid Names 46, in syn. 1942. *Verbena phlogiflora* var. *Tweediana* f. *truncatula* (Briq.) Briq.

apud Moldenke. Alph. List Invalid Names 49, in syn. 1942.

ARGENTINA: Buenos Aires: native, shrubby, 2 feet tall, with corollas violet-purple above and pale-lavender below, W. A. Archer 4573 (W); in valley, Punta Lara, in the vicinity of La Plata, October 30, 1932, A. L. Cabrera 2431 (N, N); Punta Lara, A. L. Cabrera 3401 [Herb. Inst. Biol. S. Paulo 38947] (Sp). Corrientes: Capital, on the banks of the Río Paraná, December, 1934, G. Cipolla s. n. [Herb. L. R. Parodi 12882] (N); with most beautiful flowers the color of violets, on summit of mountain, La Cruz, November 7, 1936, L. R. Parodi 12510 (N). Misiones: with violet flowers, Santa Ana, August 21, 1912, D. Rodríguez 530 [Herb. Inst. Miguel Lillo 31561] (N).

PARAGUAY: in limestone, in the region of the upper course of the Río Apa, August, 1912, E. Hassler 11312 (Cb, N-photo, V, Z-photo); Fiebrig 4371 (Cb, Cb); Hassler 10083 (Cb, V); Rojas 254 (B).

URUGUAY: Montevideo, Otto s. n. (Cp); in thickets along the Río Uruguay by Paysandú, June, 1882, J. Ball s. n. (C), det. as « *V. phlogiflora* Cham. et Schl. »; stems creeping, not stoloniferous, the ends erect and 40-80 cm, tall, with pink flowers, in grassy ditches, Rincón de las Gallinas, Arroyo de los Patos, Estancia de Goenaga, on the banks of the Río Negro, dept. Río Negro, October 22-23, 1942, Rosengurtt B. 4083 (N).

Verbena platensis Spreng., *Syst. Veg.* 2: 748. 1825; Kuntze, *Rev. Gen. Pl.* 3 (2): 257. 1898; *Arkiv. Bot.* 2 (10): 9-10. 1904; Troncoso, *Darwiniana* 3: 54. 1937; Herter, *Revist. Sudam. Bot.* 4: 186-187. 1937; Rosengurtt, *Estud. Prad. Nat. Urug.* 4: 30. 1944. *Verbena teucrioides* Gill. et Hook. in Hook., *Bot. Misc.* 1: 167. 1829; *Bot. Mag.* 65: pl. 3694. 1838; Schau. in A. DC., *Prodr.* 11: 538. 1847. Schau. in Mart., *Fl. Bras.* 9: 183. 1851; *Arkiv. Bot.* 2 (10): 9. 1904; Hicken, *Darwiniana* 1: 137. 1924; Parodi, *Rev. Argent. Agron.* 1: 202. 1934; Herter, *Revist. Sudam. Bot.* 4: 186-187. 1937; Monticelli, *Lilloa* 3: 360. 1938; Standl., *Field Mus. Publ. Bot.* 18: 1015. 1938; Parodi, *Darwiniana* 4: 55.

1940. *Verbena scordioides* Cham., *Linnaea* 7: 269. 1832; *Arkiv. Bot.* 2 (10): 9. 1904. *Verbena tenerioïdes* Gill. et Hook. ex C. Gay, *Hist. Fis. Chil. Bot.* 5: 18. 1849. *Verbena Anaës* Hort. ex Moldenke, *Suppl. List Invalid Names* 7, in syn. 1941. *Verbena chamaedrifolia* f. *foliosae* Chod. ex Moldenke, *Suppl. List Invalid Names* 7, in syn. 1941. *Verbena paraguariensis* Briq. ex Moldenke, *Suppl. List Invalid Names* 9, in syn. 1941. *Verbena teucrioides* \times *Tweedianae* Hort. ex Moldenke, *Suppl. List Invalid Names* 10, in syn. 1941. *Verbena teucrioides* var. *platensis* Macbr., in herb.

ARGENTINA: Buenos Aires: in meadows, Punta Alta, Bahía Blanca, November 5, 1940, L. R. Parodi 13864 (N); with white flowers, Agustina, Partido de Junín, October 18, 1940, A. L. Cabrera 6570 (N), so det.; Loma Negra, Olavarria, October, 1933, P. Boffa 18 (N, N), det. as « *V. teucrioides* Gill. et Hook. »; Sierra de la Ventana, February 1916, C. Bruch 4091 (N); on a slope, Sierra de la Ventana, Partido de Tornquist, April 22, 1939, A. L. Cabrera 5166 (N); Sierra de la Ventana, January, 1892, Hauthal 63 (N), so det. also by Kuntze; with white flowers, drying lilac, Tandil, November, 1892, O. Kuntze s. n. (N), so det. Córdoba: Guasapampa, February, 1890, F. Kurtz 6780 (N), det. as « *V. teucrioides* Gill. et Hook. », but annotated as *V. platensis* Spreng. by Kuntze after comparison with the type specimen; with white flowers, Capilla del Monte, January 15, 1935, N. S. Troncoso 141 (N); escaped around Santa María, near San Roque, November 10, 1871, G. Hieronymus s. n. (N), so det. also by Kuntze; with white flowers, January, Lossen 117 (Ba), det. as « *V. teucrioides* ». Corrientes: Corrientes, Bonpland 409 (N, N), det. as « *V. teucrioides* Hook. », s. n. (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. »); with large white very fragrant flowers, rare, 30-40 cm tall, in fertile sandy rocky soil at edge of woods, Campo Quijano, January 25, 1940, A. G. Schulz 2892 (N); in fertile soil near

the station km. 1176, Quebrada del Toro, alt. 1900 m, February 1, 1940, L. R. Parodi 13467 (N). Province undetermined : 1923, H. Friedmann s. n. (Ba).

PARAGUAY : in limestone region along the upper course of the Río Apa, March, 1913, E. Hassler 11052 (Cb, N-photo, Z-photo).

URUGUAY : frequent in grassy clearings, with fragrant white flowers, fading purplish, Arroyo Tres Arboles, Río Negro, October 4, 1939, Rosengurtt B. 3010 (N); in rocky sloping fields, San Pedro, Cerro Colorado, dept. Florida, Gallinal, Aragone, Bergalli, Campal et Rossengurtt PE. 5056 (N); Montevideo, Sellow s. n. [Macbride photos 17452] (Kr-photo of type); with white flowers, in dry rocky campo, alt. 50 m in exposed sunlight, Cerro, dept. Montevideo, October 29, 1919, W. Herter 750b [Herb. Herter 85476] (N), det. as « *V. teucrioides* Gill. »; with white fragrant flowers, in rocky campo, Arroyo Tres Cruces, Estancia Timbaúba, Artigas, March 3, 1944, Rosengurtt B. 4577 (N, N), so det.; stems ascending, to 30 cm tall, with pale-violet flowers, cultivated (?), Colonia Nueva Helvecia, March 10, 1939, Rosengurtt B. 2882 (N); with white fragrant flowers, in sandy maritime meadows, Pajas Blancas, Montevideo, September 26, 1937, Rosengurtt B. 2133 (N), det. as « *V. teucrioides* ? »; with white flowers, in high meadows, Riachuelo, dept. Colonia, October 11, 1936, A. L. Cabrera 3852 (N); creeping, with pinkish-white flowers, in dryish granitic soil, in sunlight, alt. 50 m, Loreley, dept. Maldonado, September, 1932, W. Herter 750c [Herb. Herter 91079] (N), det. as « *V. teucrioides* Gill. »; with pinkish-white flowers, in dry sandy and rocky soil, exposed to the sun, along roadsides, alt. 30 m, Abra Perdomo, dept. Maldonado, October 12, 1929, W. Herter 750a [Herb. Herter 85298] (N), det. as « *V. teucrioides* Gill. ».

Verbena platensis var. **stenodes** Briq., *Bull. Herb. Boiss.*, sér. 2, 4: 1055. 1904. *Verbena chamaedrifolia* f. *strigosa* Chod., *Bull. Herb. Boiss.*, sér. 2, 2: 818. 1902.

ARGENTINA: Catamarca : P. Jörgensen s. n. [Herb. Fac.

Cienc. Med. Buenos Aires 1297; Herb. Inst. Biol. S. Paulo 25784] (N-photo, S-photo, Sp, Z-photo). La Rioja: on the summit of Sierra de Olta, February 8, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33891] (N). Salta: creeping, with white flowers, Mojotoro, alt. 1060 m, dept. Caldera, January 11, 1941, T. Meyer 3456 [Herb. Inst. Miguel Lillo 35572] (N); herbaceous creeping plant, with white flowers, Campo Quijano, alt. 1200 m, dept. Rosario de Lerma, January 18, 1941, T. Meyer 3451 [Herb. Inst. Miguel Lillo 35567] (N). Tucumán: with white fragrant flowers, Las Cuchillas, alt. 1100 m, January 9, 1903, M. Lillo 2899 [Herb. Inst. Miguel Lillo 31340] (N), det. as « *V. teucrioides* Gill. »; with white flowers, Río Nio, alt. 700 m, dept. Burruyacu, November 8, 1914, Monetti 1943 [Herb. Inst. Miguel Lillo 31338] (N), det. as « *V. teucrioides* Gill. »; with white flowers, Cerro del Campo, alt. 1200 m, dept. Burruyacu, January, 1918, Bailetti 167 [Herb. Inst. Miguel Lillo 31347] (N), det. as « *V. teucrioides* Gill. ».

Verbena pogostoma Klotzsch ex Walp., *Repert.* 4: 31. 1844.
Verbena pogonostoma Klotzsch apud Schau. in A. DC.,
Prodr. 11: 550, sphalm. 1847.

ARGENTINA: La Rioja: Iléal, near Olta, February 4, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33885] (N). The seeds from which the type material of this species was grown in Berlin came from Buenos Aires, Argentina, not from « Perú » as erroneously stated on the labels of Macbride photos 17440.

Verbena porrigens R. A. Phil., *Linnaea* 33: 195. 1864-1865.
Verbena porrigenes R. A. Phil. apud Moldenke, *Known.
 Geog. Distrib.* Verbenac. 42 et 102, sphalm. 1942.

CHILE: La Serena, Punta Teatinos, September, 1891, K. Reiche 14 (N). Aconcagua: R. A. Philippi s. n. [Macbride photos 17441] (Kr-photo of isotype). Coquimbo: Estancia Frai Jorge, alt. 220 m, August 16, 1917, Skottsberg et Skottsberg 843 (Go, N), det. as « *V. sulfurea* Sweet », previously incorrectly cited by me as *V. Berterii*.

Verbena pulchella Sweet, *Brit. Flow. Gard.*, ser. 1, 3 : pl. 295. 1829 ; *Belg. Hort.* 20 : 111 [as *V. tenera*]. 1870; Herter, *Revist. Sudam. Bot.* 4 : 186-187. 1937 ; Moldenke, *Annot. List* 108. 1939 ; Rosengurtt, *Estud. Prad. Nac. Urug.* 4 : 8. 1944. *Shuttleworthia pulchella* Meissn., *Pl. Vasc. Gen. Comm.* 198. 1839. *Shuttleworthia pulchella* Meissn. apud *Belg. Hort.* 20 : 111, in syn. 1870. *Verbena laciniata* var. *albida* Herter ex Moldenke, *Suppl. List Invalid Names* 9, in syn. 1941.

ARGENTINA : Buenos Aires : with violet flowers, abundant in sandy places, Campana, October 27, 1935, N. S. Troncoso 172 (N) ; at wool factory, Otamendi, F. C. C. A., November 1, 1926, L. R. Parodi 12240 (N) ; with lilac flowers, along the highway to the coast, Partido Magdalena, October 16, 1940, A. P. Rodrigo 2339 (N) ; Buenos Aires, L. R. Parodi 8563 (V), det. as « *V. dissecta* » by K. Rechinger. Santiago del Estero : Merced de Tacana, May 27, 1939, J. Frenguelli 137 (N) ; Quebrada de Calapachin, Sierra del Mogote, La Punta, May 23, 1939, J. Frenguelli 105. (N).

URUGUAY : on dunes, Río San Juan, dept. Colonia, November 21, 1934, A. L. Cabrera 3226 (N, N, N) ; in dry sandy maritime soil, in sunlight, alt. 2-3 m, Pajas Blancas, dept. Montevideo. October 6, 1935, W. Herter 1085 [Herb. Herter 96556] (La, Mi, N, V), det. as « *V. laciniata* (L.) Briq. var. *albida* C. form. ad typ. verg. » ; in sandy maritime fields, Pajas Blancas, dept. Montevideo, September 26, 1937, Rosengurtt B. 2116 1/2 (N), det. as « *V. tenera* » ; in pastured rocky and grassy slopes, Parque, San Pedro, Cerro Colorado, dept. Florida, October 2, 1942, Gallinal, Aragone, Bergalli, Campal et Rosengurtt PE. 5048 (N) ; in pastures, same locality and collectors PE. 5048 1/2 (N) ; common in river thickets, Río Arapey and Arroyo Valentín, January 28, 1937, Rosengurtt B. 992 (N) ; with violet flowers, in dry rocky and sandy campo, exposed to the sun, Valle Edén, Tacuarembó, alt. about 150 m, September, 1928, W. Herter 181g [Herb. Herter 83911] (N).

Verbena ribifolia Walp., *Repert.* 4 : 29. 1844 ; C. Gay, *Hist. Fis. Chil. Bot.* 5 : 18-19. 1849 ; Briq., *Ann. Conserv. et Jard. Bot. Genève.* 4 : 17. 1900.

ARGENTINA: Mendoza: Gillies s. n. (T). CHILE: Concepción: Besser 12 [Macbride photos 17443] (Kr-photo of type).

Verbena rigida Spreng., *Syst. Veg.* 4 (2): 230. 1827; *Arkiv Bot.* 2 (10): 10. 1904; Britton, *Fl. Bermuda* 311. 1918; Junell, *Symb. Bot. Upsal.* 4: 11, 19, 164, 171 et 210. 1934; Herter, *Revist. Sudam. Bot.* 4: 186-187. 1937; *Svensk. Bot. Tidsk.* 32: 231. 1938; Moldenke, *Annot. List* 108. 1939; Moldenke in Lundell, *Fl. Texas* 3 (1): 19. 1942. *Verbena venosa* Gill. et Hook. in Hook., *Bot. Misc.* 1: 167. 1830; Hook., *Bot. Mag.* 59: pl. 3127. 1832; Schau, in A. DC., *Prodri.* 11: 541. 1847; Gardening 1: 563. 1879; R. A. Phil., *Anal. Univ. Chile* 90: 616. 1896; Small, *Fl. Southeast. U. S.*, ed. 1, 1010 (1903). ed. 2. 1913; Briq., *Ann. Conserv. et Jard. Bot. Genève*. 7-8: 291. 1904; E. D. Schulz, *Texas. Wild. Fls.* 338. 1928; Domin, *Bibl. Bot.* 89 (6): 1106. 1928; *New York Herald Trib.* April 29, 1934; *Journ. Roy. Hort. Soc.* 61: 401. 1935; Herter, *Revist. Sudam. Bot.* 4: 186-187. 1937; Troncoso, *Darwiniana* 3: 54. 1937; Parodi, *Darwiniana* 4: 55 (1940) et 6: 132, 142 et 195. 1943. *Verbena scaberrima* Cham., *Linnaea* 7: 267. 1832; *Arkiv Bot.* 2 (10): 10. 1904; Briq., *Ann. Conserv. et Jard. Bot. Genève*. 7-8: 291. 1904. *Verbena rugosa* D. Don in Sweet, *Brit. Flora. Gard.*, ser. 2, 4: pl. 318. 1838. *Verbena Doniana* Steud., *Nom. Bot.*, ed. 2, 2: 750. 1841. *Verbena bonariensis* var. *rigida* (Spreng.) Kuntze, *Rev. Gen. Pl.* 3 (2): 255. 1898; Briq., *Ann. Conserv. et Jard. Bot. Genève*. 7-8: 291. 1904; *Arkiv. Bot.* 2 (10): 10. 1904. *Verbena bonariensis* f. *robustior* Chod., *Bull. Herb. Boiss.*, sér. 2, 2: 817. 1902. *Verbena bonariensis* var. *venosa* f. *robustior* Chod., *Bull. Herb. Boiss.*, sér. 2, 2: 817. 1902. *Verbena rigida* (L.) Spreng. apud Small, *Man. Southeast. Fl.* 1138, sphalm. 1933; Cory, *Texas Agr. Exp. Sta. Bull.* 550: 89. 1937. *Verbena venosa* Gill. apud Da Cunha et Sobrinho. *Revist. Fac. Cienc.* 3: 43. 1938. *Verbena venusta* Hort. ex Moldenke, *Suppl. List Invalid Names* 10, in syn. 1941.

ARGENTINA: Buenos Aires: on pampas, Gillies s. n.

[Macbride photos 34349] (Kr-photo), type collection of *V. venosa*. Chaco: abundant herbs 30-40 cm tall, in fertile soil of meadows, Colonia Benítez, September, 1937, A. G. Schulz 1480 (N), det. as « *V. venosa* » by C. Osten; flowers purple, Las Palmas, alt. 55 m, October, 1917, P. Jörgensen 2464 [Herb. Inst. Miguel Lillo 31553] (N), so det. Corrientes: on the steppes, La Cruz, December 12, 1936, L. R. Parodi 12623 (N), det. as « *V. venosa* ». Misiones: with violet flowers, Santa Ana, September 5, 1912. D. Rodríguez 545 [Herb. Inst. Miguel Lillo 31558] (N), so det. Tucumán: with blue flowers, Sierra de Medina, alt. 1000-1200 m, dept. Burruyacu, January, 1924, S. Venturi 2731 (N), so det.

BOLIVIA: Santa Cruz: Cerro del Alto Mairana, alt. 2300 m, December 22, 1921, J. Steinbach 6052 [Herb. Inst. Miguel Lillo 38012] (N), so det.

PARAGUAY: P. Jörgensen 3774 (N), det. as « *V. bonariensis* var. *longibracteata* O. Ktze. », 3790 (Du); South Paraguay, September, 1892, O. Kuntze s. n. (N, N), det. as « *V. bonariensis* var. *rigida* f. *latifolia* bracteis longioribus »; Asunción, central Paraguay, T. Morong 1541 (C), det. as « *V. venosa* Gill. et Hook. »; in thickets near Papucay, December, 1885-1895, E. Hassler 1560 (N); common in campos, Villarica, December, 1929, P. Jörgensen 3770 (N), det. as « *V. venosa* Gill. ».

URUGUAY: rhizomatous, Prado, Montevideo, November 4, 1940, Rosengurtt B. 3035 (N); with violet-blue flowers, Sierra de Solis, November, 1892, O. Kuntze s. n. (N, N, N), det. as « *V. bonariensis* L. var. *rigida* » and as « *V. bonariensis* L. var. *longibracteata* OK. »; rare but gregarious, with purple-blue flowers, Cerro Pan de Azúcar, dept. Maldonado, November 19, 1938, Rosengurtt B. 2705 [H. N. Moldenke 11203] (N, N), det. as « *V. venosa* ? »; rare on railroad embankments, Pedrera, dept. Canelones, June 6, 1937, Rosengurtt B. 1920 (N, N); with pale-purple flowers, frequent in railroad embankments, not over 60 cm tall, Atlántida, Canelones, February 19, 1939, Rosengurtt B. 2869 (N), det. as « *V. venosa* »; W. Herter 268c [Herb. Herter 80738] (He).

Verbena rigida var. **obovata** (Hayek) Moldenke, *Revist. Sudam.*

Bot. 5 : 2. 1937. *Verbena rigida* f. *obovata* Hayek in Engl.,
Bot. Jahrb. 42 : 162. 1908.

PARAGUAY: in the vicinity of Caaguazú, February, 1905, E. Hassler 8911 (N-photo of isotype, V-isotype, Z-photo of isotype).

LAMIACEAE

(determinations by Elizabeth McClintock)

Teucrium cubense subsp. **cordobense** Epl. — ARGENTINA:

Córdoba: Ischilin, November, 1892, O. Kuntze s. n. (N-isotype), det. as « *T. cubense* L. »; Altos del Observatorio, November-December, 1891, F. Kurtz 7260 (N), det. as « *T. cubense* f. *angustifolia* Kurtz »; Salsipuedes, dept. Colón, March, 1938, G. Dawson 147 (N), det. as « *T. laevigatum* Vahl ». San Luis: El Volcán, January, 1933, M. A. Vignati 365 (N), det. as « *T. Grisebachii* Hieron. ».

Teucrium cubense subsp. **laevigatum** (Vahl) McCl. et Epl. —

ARGENTINA: Buenos Aires: Estancia Bell, October 24, 1939, G. Dawson 785 (N), det. as « *T. laevigatum* Vahl »; Elizalde, November 3, 1928, A. L. Cabrera 495 (N), det. as « *T. laevigatum* Vahl »; Punta Lara, January 14, 1932, A. L. Cabrera 2015 (N), previously det. by Epling as « *T. laevigatum* Vahl ». Córdoba: Unquillo, 1926, C. Bruch 125 (N), previously det. as « *T. cordobensis* Epl. » by Epling.

POTAMOGETONACEAE

(determinations by E. C. Odgen)

Potamogetum lingulatus Hagström (probably) — CHILE: Val-

divia: Panguipulli, alt. about 140 m, January, 1929, F. A. Hollermayer s. n. [E. Werdermann 1912] (N), det. as « *Potamogeton* sp. » by Clausen.

ERIOCAULACEAE

Eriocaulon argentinum Castell. — ARGENTINA: Corrientes: Santo Tomé, Monte Susto, October 11, 1886, Niederlein 2257 (Ml-type).

Eriocaulon Arechavaletae Herter — ARGENTINA: Chaco: growing along the shores of the inlet, Fontana, October, 1935, T. Meyer 2003 [Herb. Inst. Miguel Lillo 72633] (N); Fontana, October, 1938, T. Meyer 3055 [Herb. Inst. Miguel Lillo 72632] (N).

Leiothrix Arechavaletae Ruhl. — URUGUAY: in swampy places along sandy beach, Carrasco, dept. Montevideo, December 22, 1912, Osten 6409 (Go, N), so det. also by Ruhland.

Paepalanthus muscosus Körn. — BOLIVIA: Cocopunco, Cordillera Real, alt. 10,000 feet, March, G. H. H. Tate 382 (N). La Paz: La Paz, R. S. Williams 842 (N, N).

Syngonanthus caulescens (Poir.) Ruhl. — PARAGUAY: with white flowers, in damp campos, San Bernardino, October, 1915, Rojas 1522 [Herb. Osten 8331] (Go), det. as «*S. caulescens* Ruhl.» by Hassler.

Syngonanthus gracilis (Körn.) Ruhl. — URUGUAY: gregarious plants in wet depressions among seaside dunes, Canelones, Est. F. C. E. Lasala, on the banks of the Río de la Plata, February 12, 1937, Rosengurtt B. 1103 (W).

CYPERACEAE

(determinations of *Cyperus* by H. O'Neill; of *Scirpus* by A. A. Beetle)

Cyperus aristatus Rottb. — ARGENTINA: Río Negro: in the vicinity of General Roca, alt. 250-360 m, September, 1914, to February, 1915, W. Fischer 273 (N).

CHILE: Maule: February 8, 1892, O. Kuntze 4 (N), so det. Valdivia: Panguipulli, alt. 150 m, March, 1925, P. A. Hollermayer s. n. [E. Werdermann 695] (N), det. as « *C. aristatus* Rottb. var. *inflexus* (Michx.) Boeck. ».

Cyperus articulatus L. — CHILE: Taena: annual herb, 3-4 feet tall, with brown grasslike flowers, growing on river-banks, alt. 6000 feet, Taena-Arica region, Mrs. R. S. Shepard 308 (N), det. as « *C. nodosus* Will. ».

Cyperus eragrostis Lam. — ARGENTINA: Córdoba: in the Chuntas, Córdoba, October 27, 1883, Galander 20 (N), det. as « *C. vegetus* Willd. var. *strigosus* Kuntze ». Río Negro: in the vicinity of General Roca, alt. 250-360 m, September, 1914, to February, 1915, W. Fischer 200 (N), det. as « *C. vegetus* Willd. ».

CHILE: 1828-1834, C. Gay 138 (N), det. as « *C. vegetus* Willd. », s. n. (N), det. as « *C. vegetus* Willd. ». Coquimbo: Rivadavia, alt. 700 m, December, 1923, E. Werdermann 174 (N), det. as « *C. vegetus* Willd. ».

Cyperus flavens (Vahl) Nees — ARGENTINA: Córdoba: San Roque, Sierra de Córdoba, January 12, 1887, G. Hieronymus s. n. (N), det. as « *C. flavus* Boerk. » and annotated as « *Mariscus flarus* Vahl » by C. B. Clarke. Patagonia: 1882, E. P. Moreno et Tonini 571 (N), det. as « *C. flavus* Boerk. » and annotated as « *Mariscus flarus* Vahl » by C. B. Clarke.

Cyperus giganteus Vahl — ARGENTINA: Chaco: in the vicinity of Barranqueras, alt. 35-40 m, November 12 to December 15, 1913, H. M. Curran 76 (N).

Cyperus laevigatus L. — ARGENTINA: Tucumán: Siambón, Sierra de Tucumán, January 12, 1873, Lorentz et Hieronymus 1025, in part (N), det. as « *Pycreus Lagunetto* Clarke ».

Cyperus reflexus Vahl — ARGENTINA: Tandil, November 1892, O. Kuntze s. n. (N), so det. Tucumán: Cerro El Nogalito,

alt. 1500 m, dept. Burruyacu, April, 1929, S. Venturi 8858 (N); in fields, Cerro del Campo, alt. 2000 m, dept. Burruyacu, March 15, 1930, S. Venturi 10211 (N).

CHILE: Curanilahue, November, 1928, Claude-Joseph 5351 (N), so det.; Angol, February 10, 1892, O. Kuntze 13, (N), so det.

Cyperus rivularis var. **lagunetto** (Steud.) O'Neill — ARGENTINA: Tucumán: Siambón, Sierra de Tucumán, January 12, 1873, Lorentz et Hieronymus 1025, in part (N), det. as «*Pycreus Lagunetto* Clarke.»

Cyperus rotundus L. — ARGENTINA: Tucumán: Los Sarmientos, alt. 500 m, dept. Río Chico, March 10, 1929, S. Venturi 8493 (N); on sandy banks of the river, Río Salí, alt. 500 m, dept. Capital, October 5, 1920, S. Venturi 947 (N), so det.

Scirpus americanus var. **polyphyllus** (Boeckl.) Beetle — ARGENTINA: Jujuy: on the edge of the Bañado, alt. 2300 m, Volcán, dept. Tumbaya, February 14, 1930, S. Venturi 10157 (N).

Scirpus subasper Beetle — ARGENTINA: Tucumán: in wet soil, alt. 1600 m, Cerro de Taficillo, dept. Tafí, January 24, 1930, S. Venturi 10031 (N), previously det. as «*S. asper* Presl» by Beetle.

POACEAE

Andropogon saccharoides var. **laguroides** (P. DC.) Hack. — ARGENTINA: Buenos Aires: along Arroyo Sauce Grande, Sierra de la Ventana, April 21, 1943, H. H. Bartlett 20024 (N), det. Chase.

Aristida adscensionis L. — ARGENTINA: Córdoba: Capilla del Monte, March 19-21, 1943, H. H. Bartlett 20141 (N), so det.

Aristida subulata Henr. — ARGENTINA: La Pampa: on the barranca and flat hill above it near Laguna Verónica, Campo San Pedro, 12 km, northwest of Bernasconi, April 18, 1943, H. H. Bartlett 19995 (N), so det.

Bouteloua aristidoides (H. B. K.) Griseb. — ARGENTINA: Santiago del Estero: on hill of crystalline rock east of Sumampa, March 31, 1943, H. H. Bartlett 19818 (N), so det.

Cenchrus pauciflorus Benth. — ARGENTINA: La Pampa: on the barranca and the flat hill above it near Laguna Verónica, Campo San Pedro, 12 km, northwest of Bernasconi, April 18, 1943, H. H. Bartlett 19993 (N), so det.

Pappophorum subbulbosum Arech. — ARGENTINA: Mendoza: El Cerrito, 5 km east of San Rafael, January 22, 1943, H. H. Bartlett 19436 (N), so det.

Setaria Kuntzeana Herrm. — ARGENTINA: La Pampa: among dunes on islet in salt lake, Laguna Veronica, Campo San Pedro, 12 km, northwest of Bernasconi, April 18, 1943, H. H. Bartlett 19975 (N), so det.

Stipa ichu (Ruiz et Pav.) Kunth — ARGENTINA: La Pampa: on the barranca and the flat upland above Comisaría de Río Colorado, Calen-Calén, April 15, 1943, H. H. Bartlett 19938 (N), so det.

Tragus Berteronianus Schuld. — ARGENTINA: Córdoba: Capilla del Monte, March 19-21, 1943, H. H. Bartlett 20148 (N), so det.