

CONTRIBUTIONS TO THE FLORA OF EXTRA-TROPICAL SOUTH AMERICA

VI

BY HAROLD N. MOLDENKE

(U. S. A.)

Presented herewith is a report on 281 more specimens of extra-tropical South American plants received by the writer for study since the publication of the previous installment of this series. Abbreviations employed for the names of herbaria in which the specimens are deposited are the same as those explained in previous installments and on pages 1 to 3 of the author's *A list showing the location of the principal collections of « Verbenaceae » and « Avicenniaceae »* (46 pp., 1942).

EUPHORBIACEAE

(Determinations and notes by Leon Croizat)

***Acalypha* sp. cf. *A. amblyodonta* Müll. Arg. — ARGENTINA:**

Misiones: Salto Iguazú, alt. 160 m, April 4, 1913, D. Rodríguez 787 [Herb. Inst. Miguel Lillo 3617] (N).

***Acalypha cordifolia* Griseb. — ARGENTINA: Jujuy: Río Grande,**

February 13, 1924, Schreiter 2543 [Herb. Inst. Miguel Lillo 3643] (N), determined as *A. flabellifera* by the collector.

***Acalypha* sp. cf. *A. Poiretii* Spreng. — ARGENTINA: Tucumán:**

Tafí, alt. 2000 m, dept. Tafí, February 9, 1907, M. Lillo 5757 [Herb. Inst. Miguel Lillo 5557] (N).

Acalypha tracheliifolia Pax et Hoffm. — ARGENTINA: Salta: Quebrada de Capiasuti (Aguaray), alt. 500 m, dept. Orán, February 8, 1940, Schreiter 11164 [Herb. Inst. Miguel Lillo 14865] (N).

Acalypha sp. cf. **A. villosa** (Jacq.) Müll. Arg. — ARGENTINA: Misiones: Salto Iguazú, September 29, 1910, D. Rodríguez 471 [Herb. Inst. Miguel Lillo 56462] (N), « ad Hassler 11242, Hassler 7859a; this is an exceedingly critical specimen to be compared when the type becomes available. It may prove to be a form, or a new species in the vicinity of *A. cordifolia* Griseb. (*A. flabellifera* Rusby ?) ».

Croton densiflorus Pax et Hoffm. — ARGENTINA: Jujuy: Ledesma, dept. Ledesma, October 20, 1906, Dinelli s. n. [Herb. Inst. Miguel Lillo 5509] (N). Salta: Río de las Piedras, dept. Orán, November 29, 1911, D. Rodríguez 126 [Herb. Inst. Miguel Lillo 5510] (N); valley of the Río Yacuiba, alt. 450 m, November, 1915, J. Steinbach 1673 [Herb. Inst. Miguel Lillo 5511] (N).

Croton Hieronymi Griseb. — ARGENTINA: Salta: 5 leagues to the north of Embarcación, dept. Orán, November, 1915, J. Steinbach 1717 [Herb. Inst. Miguel Lillo 5416] (N). Tucumán: Vipos, dept. Trancas, January 22, 1905, M. Lillo 3929 [Herb. Inst. Miguel Lillo 5404] (N).

Croton sarcopetalus Müll. Arg. — ARGENTINA: Catamarca: Quebrada del Tala, dept. Capital, November, 1910, Castillon s. n. [Herb. Inst. Miguel Lillo 5221] (N), so determined also by the collector. Tucumán: Tucumán, August 3, 1913, Monetti 1074 [Herb. Inst. Miguel Lillo 5220] (N).

Croton tenuissimus Baill. — ARGENTINA: Misiones: Posadas, September 25, 1909, D. Rodríguez 65 [Herb. Inst. Miguel Lillo 12456] (N).

Croton Urucurana Baill. — ARGENTINA: Misiones: on banks of the Río Paraná, Santa Ana, December 22, 1912, D. Rodríguez 678 [Herb. Inst. Miguel Lillo 5525] (N), called « sangre de drago », previously determined by Croizat as *C.*

densiflorus Pax et Hoffm., cfr. Croizat in *Darwiniana* 5: 434, 1941.

Croton Venturii Croizat. — ARGENTINA: Salta: Rosario de la Frontera, alt. 790 m, dept. Rosario de la Frontera, February 7, 1921, Schreiter 1551 [Herb. Inst. Miguel Lillo 5400] (N).

Dalechampia scandens L. — ARGENTINA: Formosa: Formosa, January, 1918, P. Jörgensen 2273 [Herb. Inst. Miguel Lillo 4822] (N), «ad var. *fimbriatam* (H. B. K.) Müll. Arg., sensu Pax et Hoffm., accedere videtur».

Dalechampia scandens L. β *fimbriata* (H. B. K.) Müll. Arg. — ARGENTINA: Salta: Capiasuti, dept. Orán, February 8, 1940, Schreiter 11000 [Herb. Inst. Miguel Lillo 14866] (N), «det. ad descriptionem».

Sebastiania brasiliensis Spreng. — ARGENTINA: Misiones: Salto Iguazú, September 27, 1910, D. Rodríguez 383 [Herb. Inst. Miguel Lillo 5085] (N).

VERBENACEAE

Acantholippia deserticola (R. A. Phil.) Moldenke.

Lippia salsoloides (Griseb.) Benth. et Hook., in herb.

ARGENTINA: Catamarca: Laguna Blanca, alt. 10000 feet, P. G. Lorentz 457 [Macbride photos 17540] (N-photo), type collection of *A. salsoloides* Griseb. Rioja: Vinchina, February 17, 1879, Hieronymus et Niederlein 547 (W), determined as *Lippia riojana* Hieron. by the collectors; Villa Castelli, dept. Gral. Lamadrid, alt. 1350 m, T. Meyer 4045 (N), called «rica-rica», used medicinally as a stomachic and abortive, determined by the collector as «*A. hastatula* Gris.». CHILE: Atacama: R. A. Philippi s. n. [Macbride photos 17501] (N-photo of isotype).

Acantholippia hastulata Griseb.,

Acantholippia hastatula Griseb., in herb.

ARGENTINA: Jujuy: San José de Tilcara, P. G. Lorentz et

G. Hieronymus 713 [Macbride photos 17511] (N-photo of type).

Acantholippia seriphioides (A. Gray) Moldenke — ARGENTINA: Mendoza: R. A. Philippi s. n. [Macbride photos 17507] (N-photo), type collection of *Lippia foliolosa* R. A. Phil.

Aloysia catamarcensis Moldenke — ARGENTINA: Catamarca: Cuesta de la Chilca, alt. 1400 m, dept. Andalgalá, April 26, 1934, R. Schreiter s. n. [Herb. Inst. Miguel Lillo 31839, in part] (N), mixed with *Salvia Gilliesii* Benth.

Aloysia chacoënsis Moldenke — ARGENTINA: Chaco: Pampa del Infierno, January 4, 1942, T. Meyer 5066 (N), an extremely valuable specimen because it exhibits very large leaves.

Aloysia ligustrina (Lag.) Small — ARGENTINA: La Rioja: Chilecito to Mina de Oro, alt. 2000 m, dept. Chilecito, January 12, 1942, T. Meyer 4087 (N). Tucumán: Manantial, September 8, 1941, T. Meyer 4289 (N), so determined by the collector. BOLIVIA: Cochabamba: Valle de Cochabamba, alt. 2600 m, December 16, 1928, J. Steinbach 8768 (E).

Aloysia ligustrina var. **paraguariensis** (Briq.) Moldenke. — ARGENTINA: Formosa: Formosa, February, 1918, P. Jørgensen 2473 [Herb. Inst. Miguel Lillo 32299] (N), determined as *A. ligustrina* (Lag.) Small by the collector. Salta: Barrancas del Río Caldera, alt. 1220 m, dept. Capital, November 23, 1933, Peirano s. n. [Herb. Inst. Miguel Lillo 32841] (N); Santa Victoria, alt. 2385 m, dept. Santa Victoria, January 29, 1943, T. Meyer 4868 (N), shrub to 3 m tall, with aromatic leaves and white flowers.

Aloysia Looseri Moldenke — CHILE: Santiago: cultivated at Santiago, G. Looser 4504 (N), shrub to 3 m tall, aromatic, with white flowers, called «ilang-ilang».

Aloysia ovatifolia Moldenke — ARGENTINA: La Rioja: Los Llanos, La Zanja, February 13, 1940, Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33894] (N). Santiago del Estero: La Banda, April 14, 1907, M. Lillo 6073 [Herb. Inst. Miguel Lillo 31801] (N), determined as *Lantana* sp. by the

collector; Cerro del Remate, alt. 500 m, dept. Carlos Pellegrini, February 18, 1928, S. Venturi 5861 (E), on mountainsides, flowers white. Tucumán: Tapia, February, 1903, Baer s. n. [Herb. Inst. Miguel Lillo 31794] (N), determined as « *Lantana spicata* (Griseb.) B. et H. » by the collector.

Aloysia polystachya (Griseb.) Moldenke — ARGENTINA: Córdoba: in the valley of the Río Primero and Costa de las Mallas, by Las Peñas, January, 1871, P. G. Lorentz 130 [Macbride photos 17535] (N-photo of type). La Rioja: Iteal, near Olta, February 4, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33887] (N).

Aloysia Reichii Moldenke — CHILE: Tarapacá: R. A. Philippi s. n. [Macbride photos 17505] (N-photo), type collection of *Lippia floribunda* R. A. Phil.

Aloysia salviaefolia (Hook. et Arn.) Moldenke — CHILE: Coquimbo: Macbride photos 7862 (N-photo), type collection of *Lippia chilensis* Schau.

Aloysia Schulziana Moldenke — ARGENTINA: Salta: Cerro San Bernardo, dept. Capital, February 17, 1941, Correa 48 [Herb. Inst. Miguel Lillo 37072] (N), shrub 2 m tall, with white flowers, determined as « *Aloysium* sp. » by the collector. Tucumán: Ñorco, alt. 1200 m, May 12, 1909, M. Lillo 9769 [Herb. Inst. Miguel Lillo 32303] (N), determined as *A. ligustrina* (Lag.) Small by the collector; Trancas, alt. 800 m, dept. Trancas, January 11, 1913, Monetti 12 [Herb. Inst. Miguel Lillo 32294] (N), determined as *A. ligustrina* by the collector.

Aloysia scorodonioides var. **detonsa** (Briq.) Moldenke — ARGENTINA: Santiago del Estero: La Banda, April, 1907, M. Lillo 6186 [Herb. Inst. Miguel Lillo 32263] (N), determined as « *A. virgata* (R. et P.) Juss. » by the collector. Tucumán: Tapia, alt. 600 m, December 31, 1919, Schreiter 1201 [Herb. Inst. Miguel Lillo 32659] (N).

Aloysia Sellowii (Briq.) Moldenke — ARGENTINA: Salta: Orán, alt. 362 m, dept. Orán, March 6, 1943, T. Meyer 4867 (N).

Tucumán: Capital, alt. 480 m, dept. Capital, November 15, 1903, M. Lillo 3278 [Herb. Inst. Miguel Lillo 32316] (N), determined as *A. ligustrina* by the collector; Río Salí, alt. 600 m, dept. Capital, June, 1920, S. Venturi 834 [Herb. Inst. Miguel Lillo 32287] (N), determined as *A. ligustrina* by the collector; Cerro del Duraznillo, alt. 850 m, dept. Burruyacu, March 6, 1914, Monetti 2106 [Herb. Inst. Miguel Lillo 32296] (N), determined as *A. ligustrina* by the collector; Yacuchire, alt. 300 m, dept. Chichigasta, October 21, 1913, Monetti 1330 [Herb. Inst. Miguel Lillo 32295] (N), determined as *A. ligustrina* by the collector; Cerro del Campo, alt. 300 m, dept. Burruyacu, January, 1918, Bailetti 67 [Herb. Inst. Miguel Lillo 32290] (N), determined as *A. ligustrina* by the collector. URUGUAY: cultivated at Quinta Gallinal, Montevideo, March 2, 1942, Rosengurt B. 3918 (N, N), shrub to 3 m tall, with a trunk to 10 cm in diameter; cultivated at Prado, Montevideo, April 30, 1942, D. Rodríguez López s. n. [Rosengurt B. 4167] (N).

Aloysia triphylla (L'Hér.) Britton — ARGENTINA: Catamarca: El Candado, dept. Andalgalá, February 2, 1915, P. Jørgensen 1023 [Herb. Inst. Miguel Lillo 32115] (N), so determined also by the collector; Quebrada del Tala, March 15, 1909, Castellón 943 [Herb. Inst. Miguel Lillo 32117] (N), so determined also by the collector. La Rioja: Famatina, alt. 1620 m, dept. Famatina, February, 1942, T. Meyer 4248 (N), so determined also by the collector. Salta: Unquillo, on banks of the river, alt. 1400 m, dept. La Candelaria, January, 1933, Schreiter 9475 [Herb. Inst. Miguel Lillo 32907] (N), called «cedrón». Tucumán: Quebrada del Chorro, dept. Trancas, February 1, 1927, Schreiter 4909 [Herb. Inst. Miguel Lillo 32108] (N), so determined also by the collector; Managua to Colalao del Valle, alt. 2000 m, December, 1931, Schreiter 7133 [Herb. Inst. Miguel Lillo 32605] (N), so determined also by the collector. URUGUAY: cultivated at Monzón-Heber, Juan Jackson, dept. Soriano, April 14, 1940, Gallinal, Aragoné,

Bergalli, Campal y Rosengurt PE 4307 (N, N), called «cedrón», an infusion of the leaves is drunk after meals as a stomachic.

Aloysia virgata (Ruiz et Pav.) A. L. Juss. — ARGENTINA: Chaco: Colonia Benítez, alt. 55 m, dept. Resistencia, December 1942, T. Meyer 4689 (N). Santiago del Estero: Cerro del Remate, alt. 500 m, dept. C. Pellegrini, February 28, 1928, S. Venturi 5860 (E), on mountainsides, shrubs 2 m, tall, with white flowers. Tucumán: El Puestito, alt. 600 m, dept. Burruyacu, November 7, 1928, S. Venturi 7458 (E), among shrubs in woodland, 2 m, tall, flowers white. BOLIVIA: Santa Cruz: Misiones Guarayos, Santa Cruz de la Sierra, alt. 250-300 m, October, 1926, Werdermann 2630 (E).

Castelia cuneato-ovata Cav. — ARGENTINA: Salta: Campamento Y. P. F. Río Pescado, alt. 420 m, dept. Orán, March 3, 1943, T. Meyer 4771 (N), flowers pinkish-white, so determined also by the collector.

Diostea juncea (Gil. et Hook.) Miers — CHILE: Valdivia: Maudesbue, alt. about 160 m, January, 1927, Hollermayer s. n. [Werdermann 1376] (E), determined as *Verbena sp.* by the collector.

Diostea scoparia (Gill. et Hook.) Miers — ARGENTINA: Catamarca: Las Mansas, alt. 2300 m, dept. Belén, March, 1938, Schreiter 10508 [Herb. Inst. Miguel Lillo 6795] (N), flowers rose, determined as *Verbena scoparia* Gill. et Hook. by Troncoso. Mendoza: Paramillo de Uspallata, January 6, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36850] (N).

Duranta Mandoni Moldenke — BOLIVIA: Santa Cruz: on mountain summit, Samaipata, alt. 1800 m, October 15, 1928, J. Steinbach 8269 (E).

Duranta recurvistachys Rusby — BOLIVIA: Cochabamba: in shade-forest of Paraeti, alt. 2000 m, prov. Chapare, January 19, 1929, J. Steinbach 8843 (E).

***Duranta repens* L.** — ARGENTINA: Misiones: Santa Ana, November 20, 1909, D. Rodríguez 3 [Herb. Inst. Miguel Lillo 32504] (N).

***Duranta serratifolia* (Griseb.) Kuntze** — ARGENTINA: Salta: Morenillo to La Cumbre, dept. R. de la Frontera, alt. 1400 m, March 26, 1935, Schreiter 10125 [Herb. Inst. Miguel Lillo 32881] (N). Tucumán: Cuesta del Río Cochuna, alt. 1300-1500 m, dept. Chicligasta, November 29, 1937, Schreiter 10433 [Herb. Inst. Miguel Lillo 32883] (N); Villa Nogués, October, 1909, Castillon s. n. [Herb. Inst. Miguel Lillo 32586] (N), determined as *D. Lorentziana* Griseb. by the collector; Villa Nogués, May 29, 1925, Schreiter 8004 [Herb. Inst. Miguel Lillo 32585] (N), determined as *D. Lorentziana* by the collector; Escaba, alt. 1000 m, dept. Río Chico, December 15, 1913, Monetti 1739 [Herb. Inst. Miguel Lillo 32490] (N); Raco to Siamhón, alt. 1100 m, dept. Tafí, December 5, 1934, Schreiter 9861 [Herb. Inst. Miguel Lillo 32853] (N); Villa Nogués, alt. 1000 m, November 20, 1935, Schreiter 10227 [Herb. Inst. Miguel Lillo 32929] (N); El Morado, alt. 700 m, dept. Burruyacu, February, 1936, R. Díaz s. n. [Herb. Inst. Miguel Lillo 32930] (N).

***Junellia Ameghinoi* (Speg.) Moldenke** — ARGENTINA: Mendoza: Payúm Matru, January 31, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36856] (N).

***Junellia aspera* (Gill. et Hook.) Moldenke** — CHILE: Tarapacá: Cord. Co Japu, alt. about 4300 m, dept. Tarapacá, March, 1926, Werdermann 1111 (E).

***Junellia bisulcata* (Hayek) Moldenke** — BOLIVIA: Potosí: in sandy and stony terrain with very sporadic vegetation, Puna Patanca, alt. 3700 m, January 6, 1904, K. Fiebrig 2473 [Macbride photos 17404] (N-photo of type).

***Junellia bryoides* (R. A. Phil.) Moldenke** — CHILE: Atacama: R. A. Philippi s. n. [Macbride photos 17405] (N-photo of cotype).

Junellia digitata (R. A. Phil.) Moldenke — ARGENTINA: Catamarca: Nevado del Cajón, alt. 4900 m, January 24, 1914, D. Rodríguez 1379 [Herb. Inst. Miguel Lillo 31593] (N), flowers violet, determined as *Verbena* sp. by the collector; La Hoyada, Quebrada del Larzo, alt. 4580 m, dept. Santa María, December 19, 1933, Peirano s. n. [Herb. Inst. Miguel Lillo 32842] (N). Tucumán: Cumbres Calchaquies, dept. Tafi, December 27, 1913, Castellón 3229 [Herb. Inst. Miguel Lillo 31590] (N), determined as *Verbena* sp. by the collector. CHILE: Atacama: desert of Atacama, R. A. Philippi s. n. [Macbride photos 17412] (N-photo).

Junellia diversifolia (Kuntze) Moldenke — ARGENTINA: Catamarca: Reales Blancos, alt. 3500 m, dept. Tinogasta, February 4, 1930, Schreiter 6150 [Herb. Inst. Miguel Lillo 32722] (N), determined as *Verbena asparagoides* Gill. by the collector. Jujuy: on mountainsides, Volcán, alt. 2500 m, dept. Tumbaya, February 13, 1927, S. Venturi 4849 (E), shrub 2 m, tall, with lilac flowers; Pukará, alt. 2470 m, dept. Tilcara, December 21, 1925, Pereyra 5881 [Herb. Inst. Miguel Lillo 32725] (N), determined as *Verbena asparagoides* by the collector. Tucumán: Quebrada del Chorro, alt. 3000 m, dept. Trancas, February 1, 1927, Schreiter 4899 [Herb. Inst. Miguel Lillo 31504] (N), determined as *Verbena asparagoides* by the collector; Cañón de Lara, January, 1912, Castellón s. n. [Herb. Inst. Miguel Lillo 32721] (N), determined as *Verbena asparagoides* by the collector; Los Corrales, alt. 3000 m, February 16, 1920, Schreiter 1205 [Herb. Inst. Miguel Lillo 32724] (N), determined as *Verbena asparagoides* by the collector; Quebrada de Las Arcas, alt. 3000 m, dept. Trancas, February 1, 1927, Schreiter 4901 [Herb. Inst. Miguel Lillo 31614] (N), determined as *Verbena asparagoides* by the collector.

Junellia Echegarayi (Hieron.) Moldenke — ARGENTINA: Mendoza: transandine station, alt. 1400 m, south Mendoza, E. Wilczek 51 [Macbride photos 24695] (N-photo), cotype collection of *Verbena ourostachya* Briq.

Junellia Hayekii Moldenke — ARGENTINA: Jujuy: Sierra de

Zenta, alt. 4500 m (?), February, 1931, E. Budin s. n. [Herb. Inst. Miguel Lillo 32890] (N), determined as *Verbena* sp. by the collector.

Junellia hystrix (R. A. Phil.) Moldenke — CHILE: Atacama: Acerillos, Villanueva, desert of Atacama, R. A. Philippi s. n. [Macbride photos 17406] (N-photo of isotype).

Junellia intricata (Briq.) Moldenke — ARGENTINA: Mendoza: Vega del Azufre, dept. Malal-hue, January 15, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36853] (N); mountain pass to the mines of Las Choicas, upper part of the valley of the Río Tordillo, alt. about 3200 m, E. Wilczek 48 [Macbride photos 24689] (N-photo of type).

Junellia juniperina (Lag.) Moldenke — ARGENTINA: Catamarca: Cerrillos, Sierra de Aconquija, alt. 3100 m, dept. Santa María, December 17, 1933, Peirano s. n. [Herb. Inst. Miguel Lillo 32848] (N), determined as *Verbena* sp. by the collector; El Candado, dept. Andalgalá, December, 1916, P. Jörgensen 1027 [Herb. Inst. Miguel Lillo 31627] (N); determined as *Verbena juniperina* Lag. by the collector; Las Minas, dept. Andalgalá, March 6, 1916, P. Jörgensen 1733 [Herb. Inst. Miguel Lillo 31628] (N), determined as *Verbena juniperina* by the collector; Las Mansas, alt. 2300 m, dept. Belén, March, 1938, Schreiter 10560 [Herb. Inst. Miguel Lillo 32857] (N), determined as *Verbena* sp. by the collector. Tucumán: El Molle, Quebrada de Amaicha, alt. 2900 m, dept. Tafí, November, 1932, Schreiter 8713 [Herb. Inst. Miguel Lillo 32903] (N), determined as *Verbena* sp. by the collector; Amaicha, alt. 3000 m, dept. Tafí, December, 1931, Schreiter 7034 [Herb. Inst. Miguel Lillo 32775] (N), flowers lilac, determined as *Verbena juniperina* by the collector; Lara, dept. Trancas, January 27, 1912, D. Rodríguez 284 [Herb. Inst. Miguel Lillo 31618] (N), determined as *Verbena juniperina* by the collector; Lara, alt. 4000 m, dept. Trancas, February, 1903, M. Lillo s. n. [Herb. Inst. Miguel Lillo 31617] (N), determined as *Verbena juniperina* by the collector; Amaicha, alt. 3000 m,

dept. Tafi, December, 1917, Schreiter 360 [Herb. Inst. Miguel Lillo 32780] (N), determined as *Verbena juniperina* by the collector; Managua, alt. 2000 m, December, 1931, Schreiter 7122 [Herb. Inst. Miguel Lillo 32774] (N), flowers lilac, determined as *Verbena juniperina* by the collector; Amaicha, December 23, 1913, M. Lillo 16388 [Herb. Inst. Miguel Lillo 31625] (N), determined as *Verbena juniperina* by the collector; Quebrada del Chorro, alt. 3000 m, dept. Trancas, February 1, 1927, Schreiter 4900 [Herb. Inst. Miguel Lillo 31637] (N), determined as *Verbena juniperina* by the collector.

Junellia lavandulaefolia (R. A. Phil.) Moldenke — CHILE: Lake Copin, alt. 3000 m, Claude-Joseph 2757 (W).

Junellia longidentata Moldenke — ARGENTINA: Catamarca: La Florida, Puerta de Corral Quemado, alt. 1800 m, dept. Belén, March 28, 1934, R. Schreiter s. n. [Herb. Inst. Miguel Lillo 32840] (N). Jujuy: Sierra de Zenta, alt. 3000 m, E. Budin s. n. [Herb. Inst. Miguel Lillo 32726] (N), determined as *Verbena aspera* by the collector. Tucumán: Amaicha, alt. 2090 m, December 29, 1912, Castillon 2460 [Herb. Inst. Miguel Lillo 31753] (N-type), determined as *Verbena aspera* Gill. et Hook. by the collector; Las Arcas, alt. 2000 m, dept. Trancas, February 2, 1927, Schreiter 4898 [Herb. Inst. Miguel Lillo 31759] (N), determined as *Verbena aspera* by the collector.

Junellia minima (Meyen) Moldenke — ARGENTINA: Tucumán: Cerro Muñoz, dept. Tafi, January 2, 1914, Castillon 3265 [Herb. Inst. Miguel Lillo 31591] (N), determined as *Verbena sp.* by the collector.

Junellia nubigena (Speg.) Moldenke — ARGENTINA: La Rioja: Cuesta del Torina, Sierra Famatina, G. Hieronymus 686 [Macbride photos 24697] (N-photo).

Junellia seriphioides (Gill. et Hook.) Moldenke — ARGENTINA: Catamarca: Cajón, January 13, 1914, Castillon 3324 [Herb. Inst. Miguel Lillo 32737] (N), determined as « *Verbena bryoides* Phil. » by the collector; La Florida, Puerta de Co-

rral Quemado, dept. Belén, March 15, 1934, Schreiter s. n. [Herb. Inst. Miguel Lillo 32928] (N), determined as *Verbena* sp. by the collector; La Punta de Balastro, alt. 2250 m, dept. Santa María, December, 26, 1933, Peirano s. n. [Herb. Inst. Miguel Lillo 32836] (N); Barranca Larga, alt. 2400 m, dept. Belén, February, 1937, Schreiter 10250 [Herb. Inst. Miguel Lillo 32919] (N); Corral Blanco, alt. 3200 m, Laguna Blanca, dept. Belén, March 21, 1934, Peirano s. n. [Herb. Inst. Miguel Lillo 32835] (N); El Saladillo, January 1915, Castillon s. n. [Herb. Inst. Miguel Lillo 31768] (N); determined as *Verbena bryoides* by the collector; San Francisco, February 1, 1930, Schreiter 6083 [Herb. Inst. Miguel Lillo 32738] (N); determined as *Verbena bryoides* by the collector; Campo del Arenal, dept. Andalgala, March 10, 1916, P. Jørgensen 1732 [Herb. Inst. Miguel Lillo 31762] (N), determined as *Verbena bryoides* by the collector; El Cajón, January 13, 1914, Castillon 3321 [Herb. Inst. Miguel Lillo 31764] (N), determined as *Verbena bryoides* by the collector.

Junellia tridactylites (Lag.) Moldenke — ARGENTINA: Mendoza: Portezuelo de Tiburcio, dept. Malal-hue, January 17, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36854] (N).

Junellia trifurcata (R. A. Phil.) Moldenke — CHILE: Santiago: Valle del Yeso, Interior Andes, R. A. Philippi s. n. [Macbride photos 17455] (N-photo).

Junellia Wilczekii (Briq.) Moldenke — ARGENTINA: Mendoza: Vega del Azufre, dept. Malal-hue, January 15, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36854] (N).

Lampaya medicinalis R. A. Phil., *Anal. Mus. Nac. Chile Bot.* 1891: 58, pl. 2, fig. 5, 1891. CHILE: Tarapacá: F. Philippi s. n. [Macbride photos 17579] (N-photo of isotype).

Lantana aristata (Schau.) Briq. — ARGENTINA: Santiago del Estero: Taco Pozo, alt. 400 m, dept. Pellegrini, December, 1932, Peirano s. n. [Herb. Inst. Miguel Lillo 32911] (N). Tucumán: Vipos, alt. 786 m, dept. Trancas, January

24, 1926, R. Schreiter 4586 [Herb. Inst. Miguel Lillo 32335] (N), determined as *Lippia* sp. by the collector; Cerro del Duraznillo, alt. 850 m, dept. Burruyacu, February 15, 1914, Monetti s. n. [Herb. Inst. Miguel Lillo 32214] (N), determined as *Lippia geminata* var. *lanceolata* Griseb. by the collector.

Lantana aristata var. **angustifolia** (Kuntze) Moldenke — ARGENTINA: Tucumán: Anfama, February 24, 1915, Castillon s. n. [Herb. Inst. Miguel Lillo 32215] (N), determined as *Lippia geminata* var. *lanceolata* Griseb. by the collector.

Lantana aristata var. **Cabrerae** Moldenke — ARGENTINA: Jujuy: Capital, dept. Capital, February 23, 1916, M. Lillo 18168 [Herb. Inst. Miguel Lillo 32196] (N), determined as *Lippia* sp. by the collector. Salta: Rosario de la Frontera, December 3, 1905, M. Lillo 4610 [Herb. Inst. Miguel Lillo 31904] (N); Unquillo, alt. 1200 m, dept. Candelaria, November 7, 1931, R. Schreiter 6697 [Herb. Inst. Miguel Lillo 32595] (N). Tucumán: Parque Aconquija, December 14, 1941, T. Meyer 4290 (N); Quebrada de San Rafael, alt. 500 m, dept. Famaillá, September 4, 1932, R. Schreiter 8880 [Herb. Inst. Miguel Lillo 32891] (N); Barranca del Río Salí al Timbó, alt. 550 m, May 29, 1932, R. Schreiter 8872 [Herb. Inst. Miguel Lillo 32892] (N); Río Salí, alt. 450 m, dept. Capital, April, 1920, S. Venturi 794 [Herb. Inst. Miguel Lillo 32205] (N), determined as *Lippia* sp. by the collector; Cerros de la Ramada, alt. 500 m, dept. Burruyacu, December, 1914, Monetti 3055 [Herb. Inst. Miguel Lillo 32202] (N), determined as *Lippia* sp. by the collector; Cerro del Duraznillo, alt. 700 m, dept. Burruyacu, February 1914, Monetti 1995 [Herb. Inst. Miguel Lillo 32201] (N), determined as *Lippia* sp. by the collector.

Lantana Balansae Briq. — BOLIVIA: Cochabamba: on mountain side by Cochabamba, alt. 2700 m, December 16, 1928, J. Steinbach 8771 (E). Santa Cruz: in open woods, Cerro Tres Cruces, alt. 1400 m, dept. Santa Cruz, October 8, 1928, J. Steinbach 8150 (E). URUGUAY: Monzón-Heber,

Juan Jackson, dept. Soriano, January, 31, 1941, Gallinal, Aragone, Bergalli, Campal y Rosengurtt PE. 4446 1/2 (N).

Lantana bernardinensis Briq. — PARAGUAY: in shrubbery, San Bernardino, E. Hassler 320 [Macbride photos 24630] (N-photo of type).

Lantana brachypoda Hayek — BOLIVIA: Tarija: in valley plains by brookside, Toldos, by Bermejo, alt. 1900 m, southern Bolivia, K. Fiebrig 432 [Macbride photos 17464] (N-photo of type).

Lantana cujabensis Schau. — BOLIVIA: El Beni: Trinidad, Misiones Guarayos, alt. about 250 m, September, 1926, Werdermann 2344 (E).

Lantana Fiebrigii Hayek — ARGENTINA: Jujuy: Sierra Calilegua, alt. 750 m, dept. Ledesma, October 13, 1927, S. Venturi 5341 (E), 1.5 m, tall on slope of mountains, flowers red.

Lantana fucata Lind. — ARGENTINA: Jujuy: Perico, February 2, 1910, M. Lillo 9863 [Herb. Inst. Miguel Lillo 31862] (N), determined as *L. foetida* Rusby by the collector. Salta: Santa Victoria, alt. 2385 m, dept. Santa Victoria, January 27, 1943, T. Meyer 4609 (N). Tucumán: Vipos, alt. 800 m, December 22, 1907, M. Lillo 7267 [Herb. Inst. Miguel Lillo 31897] (N). URUGUAY: Estancia de Goenaga, arroyo de Los Patos, Rincón de las Gallinas, on the banks of the Río Uruguay, dept. Río Negro October, 22-23, 1942, Rosengurtt B. 4131 (N); in the city, Paysandú, January 31, 1942, Rosengurtt B. 3829 (N), in an enclosure, flowers rose.

Lantana Junelliana Moldenke — ARGENTINA: La Rioja: Sierra Brava, February 17, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33896] (N). Salta: Unquillo, alt. 1200 m, dept. La Candelaria, November 7, 1931, R. Schreiter 6698 [Herb. Inst. Miguel Lillo 32706] (N), determined as *Lippia sp.* by the collector.

Lantana micrantha Briq. — ARGENTINA: Salta: Cerro San Bernardo, alt. 1458 m, dept. Capital, February 17, 1941,

Correa 38 [Herb. Inst. Miguel Lillo 37070] (N). Tucumán : Capital, dept. Capital, November 7, 1908, M. Lillo 8584 [Herb. Inst. Miguel Lillo 31879] (N); Río Salí, El Dique, December 30, 1907, M. Lillo 7318 [Herb. Inst. Miguel Lillo 31878] (N); Parque 9 de Julio, Capital, alt. 500 m, dept. Capital, November 15, 1940, T. Meyer 3436 [Herb. Inst. Miguel Lillo 35423] (N).

Lantana Rusbyana Moldenke — BOLIVIA : Cochabamba : Pocomana, alt. 2500 m, November 11, 1928, J. Steinbach 8690 (E).

Lantana trifolia L. — ARGENTINA : Jujuy : Cerro de Zapala, alt. 1300 m, November 13, 1925, R. Schreiter 5132 [Herb. Inst. Miguel Lillo 32429] (N); Ledesma, alt. 500 m, October 19, 1906, Dinelli s. n. [Herb. Inst. Miguel Lillo 31814] (N), leaves extraordinarily large; Ledesma, October 29, 1906, Dinelli s. n. [Herb. Inst. Miguel Lillo 31820] (N). Salta : Orán, alt. 362 m, dept. Orán, March 6, 1943, T. Meyer 4869 (N).

Lantana trifolia var. **rigidiuscula** Briq. — ARGENTINA : Formosa : Guayculee, May, 1919, P. Jörgensen 3407 [Herb. Inst. Miguel Lillo 31817] (N).

Lantana xenica Moldenke. — ARGENTINA : Santiago del Estero : La Banda, March 26, 1907, M. Lillo 6184 [Herb. Inst. Miguel Lillo 31846] (N); La Banda, March 27, 1907, M. Lillo 6073 [Herb. Inst. Miguel Lillo 31842] (N); Beltrán, dept. Robles, October 20, 1940, Maldonado R. 480 (N), flowers purple, so determined also by the collector. Tucumán : Capital, dept. Capital, January, 1907, M. Lillo 6039 [Herb. Inst. Miguel Lillo 31844] (N); Vipos, alt. 786 m, January 6, 1922, R. Schreiter 1907 [Herb. Inst. Miguel Lillo 32596] (N).

Lippia alba (Mill.) N. E. Br. — BOLIVIA : El Beni : Trinidad, Misiones Guarayos, alt. about 250 m, September, 1926, Werdermann 2410 (E).

Lippia Arechavaletae Moldenke — URUGUAY : Estancia Santa Blanca, Paysandú, arroyo Guaviyú, January 25, 1942, Rosengurtt B. 3921 (N, N), flowers yellow and red.

Lippia boliviana Rusby — ARGENTINA: Salta: Santa Victoria, alt. 2385 m, dept. Santa Victoria, T. Meyer 4547 (N), shrub about 1 m tall, flowers white.

Lippia bothrioura Briq. — PARAGUAY: in swamps in the region of the upper course of the Río Apa, north Paraguay, E. Hassler 7471 [Macbride photos 24646] (N-photo of type).

Lippia dumetorum Herzog — BOLIVIA: Quebrada de Chajravuaitu, alt. 1600 m, April, 1911, T. Herzog 1851 [Macbride photos 24649] (N-photo of isotype).

Lippia imbricata Kuntze — ARGENTINA: Corrientes: Arroyo Mocoretá, November 29, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 34482] (N).

Lippia integrifolia (Griseb.) Hieron. — ARGENTINA: Catamarca: Las Mansas, alt. 2300 m, dept. Belén, March, 1938, R. Schreiter 10590 [Herb. Inst. Miguel Lillo 32860] (N); El Portezuelo, dept. Paclín, April 19, 1935, Peirano s. n. [Herb. Inst. Miguel Lillo 32869] (N); Río del Valle, March 1, 1907, Castillon 947 [Herb. Inst. Miguel Lillo 32002] (N), so determined also by the collector. Rioja: vicinity of La Rioja, March 1, 1941, G. Covas 1133 (N); Sierra de Olta, Aguadita, February 3, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33883] (N). Salta: along highway to Cafayate, La Cienaguita, April 7, 1914, D. Rodríguez 1441 [Herb. Inst. Miguel Lillo 31932] (N), so determined also by the collector. Tucumán: Quebrada de Las Arcas, alt. 2500 m, dept. Trancas, February 23, 1920, R. Schreiter 1202 (N), medicinal, called «yerba del Inca», so determined also by the collector; Amaicha, February, 1914, Castillon 3434 [Herb. Inst. Miguel Lillo 31930] (N), so determined also by the collector.

Lippia laxibracteata Herzog — BOLIVIA: Villa Montes on the Río Pilcomayo, November, 1910, T. Herzog 1108 [Macbride photos 20330] (N-photo of isotype).

Lippia paraguariensis Briq. — PARAGUAY: in fields in the region of the upper course of the Río Apa, November, 1902,

E. Hassler 7802 [Macbride photos 24656] (N-photo of type).

Lippia phaeocephala Briq. — PARAGUAY: in sandy field near Concepción, September, 1902, E. Hassler 7456 [Macbride photos 24659] (N-photo of cotype).

Lippia phryxocalyx Briq. — PARAGUAY: in the region of the upper course of the Río Apa, November, 1902, E. Hassler 7896 [Macbride photos 17531] (N-photo of isotype).

Lippia polycephala var. **Aemillii** Briq. — PARAGUAY: in the region of the upper course of the Río Y-acá, December, 1900, E. Hassler 6720 [Macbride photos 17533] (N-photo of type).

Lippia polytricha Briq. — PARAGUAY — in fields near San Estanislao, August, E. Hassler 4184 [Macbride photos 24660] (N-photo of cotype).

Lippia Rodriguezii Moldenke — ARGENTINA: Misiones: Santa Ana, September 21, 1912, D. Rodríguez 609 [Herb. Inst. Miguel Lillo 32362] (N).

Lippia salsa Griseb. — ARGENTINA: La Rioja: Los Llanos, El Retamo, February 14, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33895] (N). Santiago del Estero: Cerro del Remate, alt. 550 m, dept. Carlos Pellegrini, December 20, 1927, S. Venturi 5641 (E), on mountain sides, flowers white; La Banda, April 17, 1907, M. Lillo 6069 [Herb. Inst. Miguel Lillo 32010] (N), so determined also by the collector. Tucumán: Chañar Pozo, alt. 300 m, dept. Leales, October, 1929, S. Venturi 484 [Herb. Inst. Miguel Lillo 32007] (N), so determined also by the collector; Lules, Second District, April 10, 1912, Dinelli s. n. [Herb. Inst. Miguel Lillo 32009] (N), so determined also by the collector; La Madrid, alt. 437 m, dept. Graneros, Bailetti 345 [Herb. Inst. Miguel Lillo 32011] (N), so determined also by the collector; Los Décimas, alt. 270 m, dept. Leales, May 28, 1913, Monetti s. n. [Herb. Inst. Miguel Lillo 32012] (N), so determined also by the collector.

- Lippia salviaefolia** Cham. — ARGENTINA: Misiones: Santa Ana, September 18, 1912, D. Rodríguez 625 [Herb. Inst. Miguel Lillo 32361] (N).
- Lippia scaposa** Briq. — PARAGUAY: in the valley of the Río Y-acá, in a field near Valenzuela, January, 1902, E. Hassler 6965 [Macbride photos 17542] (N-photo of isotype).
- Lippia sclerophylla** Briq. — ARGENTINA: Misiones: Santa Ana, March 11, 1910, D. Rodríguez 178 [Herb. Inst. Miguel Lillo 32244] (N), so determined also by the collector.
- Lippia sclerophylla** var. *subintegra* Briq. — PARAGUAY: in a field near Valenzuela, valley of the Río Y-acá, January, 1902, E. Hassler 6919 [Macbride photos 24667] (N-photo of type).
- Lippia suffruticosa** (Griseb.) Kuntze — ARGENTINA: Misiones: Bonpland, March 25, 1910, D. Rodríguez 234 [Herb. Inst. Miguel Lillo 32056] (N), determined as *L. geminata* H.B.K. by the collector. Salta: Metán, alt. 850 m, May 20, 1905, M. Lillo 4474 [Herb. Inst. Miguel Lillo 32073] (N), so determined also by the collector. Tucumán: Chañar Pozo, alt. 300 m, dept. Leales, June, 1919, S. Venturi 354 [Herb. Inst. Miguel Lillo 32063] (N), determined as *L. geminata* by the collector; Cerro del Campo, alt. 1100 m, dept. Burruyacu, March, 1918, Bailetti 238 [Herb. Inst. Miguel Lillo 32060] (N), determined as *L. geminata* by the collector; Cadillal, alt. 600 m, dept. Tafi, April 13, 1922, S. Venturi 1789 [Herb. Inst. Miguel Lillo 32067] (N), determined as *L. geminata* by the collector.
- Lippia trachyphylla** Briq. — PARAGUAY: sandy borders of Y'acan-guazú near Valenzuela, November, 1882, B. Balansa 4626 [Macbride photos 24772] (N-photo of type).
- Lippia turbinata** Griseb. — ARGENTINA: La Rioja: Famatina, alt. 1620 m, dept. Famatina, February 6, 1942, T. Meyer 4235 (N, N), flowers white, so determined also by the collector; Chilecito, alt. 1100 m, dept. Chilecito, January 7, 1942, T. Meyer 3495 (N), called «poleo», flowers white, so determined also by the collector.

Lippia turnerifolia Cham. — ARGENTINA: Tucumán: El Puestito, alt. 700 m, dept. Burruyacu, October 10, 1928, S. Venturi 7359 (E), in forest, flowers yellow. URUGUAY: frequent in rocky fields on mountainsides, October 4, 1939, Rosengurtt B. 3002 (N), flowers yellow.

Stachytarpheta australis Moldenke, *Prelim. List Invalid Names Verbenac.* 42, nom. nud. (1940), *Phytologia* 1: 470. 1940. — ARGENTINA: Salta: Río Blanco, alt. 650 m, dept. Orán, November 15, 1927, S. Venturi 5574 (E), plants 70 cm tall, on river barrancas, flowers lilac.

Stachytarpheta elatior Schrad. ex Schult., *Mant.* 1: 172. 1822. BOLIVIA: El Beni: Trinidad, Misiones Guarayos, alt. about 250 m, September, 1926, Werderman 2412 (E).

Verbena araucana R. A. Phil. — CHILE: Linares: R. A. Philippi s. n. [Macbride photos 17400] (N-photo of type).

Verbena bonariensis L. — ARGENTINA: Buenos Aires: Quilmes, dept. Quilmes, December 10, 1912, S. Venturi 149 [Herb. Inst. Miguel Lillo 31446] (N), flowers purple, so determined also by the collector; Barracas al Sur, May 5, 1902, S. Venturi 54 [Herb. Inst. Miguel Lillo 31447] (N), so determined also by the collector. Corrientes: in clearings of woods, near Monte Caseros, Isla Correntina in the Río Uruguay, January 22, 1942, Rosengurtt B. 3707 (N), flowers blue-violet. Santa Fe: Mocoví, alt. 50 m, November 17, 1903, S. Venturi 84 [Herb. Inst. Miguel Lillo 31449] (N), so determined also by the collector. Tucumán: Loma del Diablo, alt. 2900 m, April 3, 1912, D. Rodríguez 471 [Herb. Inst. Miguel Lillo 31450] (N), so determined also by the collector; Tafí, dept. Tafí, February 13, 1915, Castillon s. n. [Herb. Inst. Miguel Lillo 31444] (N), so determined also by the collector; Tafí, alt. 2000 m, dept. Tafí, March 5, 1905, M. Lillo s. n. [Herb. Inst. Miguel Lillo 31451] (N), so determined also by the collector. BOLIVIA: Cochabamba: Feldrain, Incachaca, alt. 2200 m, prov. Chapare, March 19, 1929, J. Steinbach 9681 (E).

Verbena brasiliensis Vell. — ARGENTINA: Misiones: Bonpland, March 23, 1910, D. Rodrguéz 223 [Herb. Inst. Miguel Lillo 31407] (N), flowers blue, determined as « *V. littoralis* H. B. K.» by the collector. Tucumán: Villa Luján, alt. 460 m, dept. Capital, December, 1918, S. Venturi 50 [Herb. Inst. Miguel Lillo 31391] (N), determined as « *V. littoralis* H. B. K.» by the collector; Cerro del Campo, alt. 1200 m, dept. Burruyacu, March, 1918, Bailetti 233 [Herb. Inst. Miguel Lillo 31392] (N), determined as « *V. littoralis* » by the collector. BOLIVIA: Yacuiba, October, 1915, J. Steinbach 1630 (N), determined as « *V. littoralis* » by the collector. URUGUAY: common in swamps and fields, Agronomía, Paysandú, March 21, 1940, Rosengurt B. 3364 (N); in swampy meadows, San Pedro, Cerro Colorado, dept. Florida, January, 1941, Gallinal, Aragone, Bergalli, Campal y Rosengurt B. 765 1/3 (N).

Verbena Cabrerae Moldenke — ARGENTINA: Salta: Quebrada de Pocitos, alt. 600 m, dept. Orán, February 12, 1925, R. Schreiter 3821 [Herb. Inst. Miguel Lillo 31492] (N).

Verbena calliantha Briq. — ARGENTINA: Salta: Betania, alt. 1200 m, May 15, 1941, Zabala 116 [Herb. Inst. Miguel Lillo 38045] (N).

Verbena chilensis Moldenke — ARGENTINA: Mendoza: R. A. Philippi s. n. [Macbride photos 17417] (N-photo of isotype), type collection of *V. glabrata* R. A. Phil., the label says « Chile » in error.

Verbena crithmifolia Gill. et Hook. — ARGENTINA: Catamarca: El Suncho, alt. 1600 m, dept. Andalgalá, February, 1938, R. Schreiter 10612 [Herb. Inst. Miguel Lillo 32861] (N); Quebrada del Tala, dept. Capital, September 6, 1910, Castillon s. n. [Herb. Inst. Miguel Lillo 3740] (N), determined as « *V. crithmifolia* Gill. » by the collector; Cuesta de la Chilca, dept. Andalgalá, November 3, 1930, S. Schreiter 6428 [Herb. Inst. Miguel Lillo 32749] (N), so determined also by the collector; La Playa, alt. 2400 m, February, 1915, P. Jørgensen 1019 [Herb. Inst. Miguel Lillo 31744]

(N), determined as « *V. erinoides* Lam.» by the collector. La Rioja: Loma Colorada, Olta, February 1, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33881] (N); La Mesada, alt. 3000 m, dept. Chilecito, T. Meyer 4090 (N, N), flowers clear-blue.

Verbena dissecta Willd. — ARGENTINA: Córbova: Barranca de Los Loros, dept. San Javier, January 17, 1939, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 31195] (N), determined as *V. tenuisecta* Briq. by me previously. La Rioja: Olta, February 1, 1940, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 33882] (N). Salta: Río Las Piedras, dept. Orán, November 2, 1911, D. Rodríguez 19 [Herb. Inst. Miguel Lillo 31698] (N), flowers violet, determined as *V. erinoides* Lam. by the collector. Tucumán: Cerros de la Ramada, alt. 500 m, dept. Burruyacu, November, 1914, Monetti 3014 [Herb. Inst. Miguel Lillo 31721] (N), determined as *V. erinoides* by the collector; La Calera, alt. 500 m, dept. Río Chico, November 14, 1913, Monetti 1450 [Herb. Inst. Miguel Lillo 31692] (N), determined as *V. erinoides* by the collector; La Ramada de Abajo, alt. 400 m, dept. Burruyacu, August 15, 1932, Peirano 9181 [Herb. Inst. Miguel Lillo 32894] (N); Tapia, alt. 850 m, dept. Trancas, November 14, 1920, S. Venturi 1042 [Herb. Inst. Miguel Lillo 31730] (N), flowers clear rose, determined as *V. erinoides* by the collector; Acheral, alt. 450 m, November 17, 1923, R. Schreiter 8116 [Herb. Inst. Miguel Lillo 32754] (N); determined as *V. erinoides* by the collector; Capital, alt. 480 m, dept. Capital, October 17, 1917, M. Lillo 2022 [Herb. Inst. Miguel Lillo 31712] (N); determined as « *Verbena* aff. *erinoides* » by the collector; Tafí Viejo, alt. 600 m, dept. Cruz Alta, July 8, 1923, R. Schreiter s. n. [Herb. Inst. Miguel Lillo 32758] (N), determined as *V. erinoides* by the collector; La Hoyada, alt. 1500 m, November 23, 1921, R. Schreiter 1904 [Herb. Inst. Miguel Lillo 32759] (N), flowers blue, determined as *V. erinoides* by the collector; Parque 9 de Julio, alt. 450 m, Capital, dept. Capital, December, 1919, S. Venturi 4 [Herb. Inst. Miguel Lillo 31729] (N), determined as *V. erinoides* by the collector;

Campo Alegre (K. 754), alt. 416 m, dept. Cruz Alta, October 29, 1922, S. Venturi 1930 [Herb. Inst. Miguel Lillo 31732] (N), determined as *V. erinoides* by the collector; Manantial, September 8, 1941, T. Meyer 4288 (N), so determined also by the collector. URUGUAY: in low fields on the Belén road, arroyo Itacumbú, Artigas, January 23, 1942, Rosengurtt, B. 3756 (N), with ascending branches and pink flowers.

Verbena filicaulis Schau. — ARGENTINA: Misiones: Santa Ana, September 10, 1912, D. Rodríguez 570 [Herb. Inst. Miguel Lillo 31548] (N), flowers blue, determined as *V. tenuisecta* Briq. by the collector.

Verbena glutinosa Kuntze — ARGENTINA: Mendoza: Portezuelo del Chihuido, dept. Malal-hue, January 11, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36864] (N); Malal-hue, January 10, 1941, A. Castellanos s. n. [Herb. Mus. Argent. Cienc. Nat. 36865] (N).

Verbena gracilescens (Cham.) Herter — ARGENTINA: Jujuy: Sierra de Calilegua, alt. 750 m, dept. Ledesma, October 14, 1927, S. Venturi 5380 (E), at edge of arroyo, flowers clear-violet. Salta: Río de Las Piedras, December 3, 1911, D. Rodríguez 144 [Herb. Inst. Miguel Lillo 31420] (N), determined as « *V. gracilescens* Cham. » by the collector. Tucumán: Las Salinas, dept. Leales, May 30, 1912, Monetti 96 [Herb. Inst. Miguel Lillo 31421] (N), determined as « *V. gracilescens* Cham. ».

Verbena gynobasis Wedd. — CHILE: Tarapacá: Sibaya, R. A. Philippi s. n. [Macbride photos 17419] N-photo), type collection of *V. bella* R. A. Phil.

Verbena Herteri Moldenke — URUGUAY: on the road to Bella Unión, arroyo Itacumbú, Artigas, January 19, 1942, Rosengurtt B. 3770 (N).

Verbena hispida Ruiz et Pav. — ARGENTINA: Salta: Santa Victoria, alt. 2385 m, dept. Santa Victoria, January 27, 1943, T. Meyer 4870 (N), flowers blue. CHILE: Valparaíso:

along roadsides, alt. 10 m, Quintero, February 11, 1942, G. Looser 4505 (N), plants 30-40 cm tall, flowers blue.

Verbena hybrida Voss — URUGUAY: cultivated at the Faculty of Agriculture, Montevideo, August 30, 1941, Rosengurt B. 3428 (N), flowers rose.

Verbena incisa Hook. — ARGENTINA: Catamarca: El Suncho, alt. 1600 m, dept. Andalgalá November 3, 1930, R. Schreiter 6437 [Herb. Inst. Miguel Lillo 32771] (N), determined as *V. Hassleriana* Briq. by the collector. Chaco: Las Palmas, alt. 55 m, October, 1917, P. Jörgensen 2466 [Herb. Inst. Miguel Lillo 31375] (N), determined as « *V. chamaedrifolia* Juss.» by the collector. Formosa: Capital, alt. 50 m, dept. Capital, July, 1918, P. Jörgensen 2636 [Herb. Inst. Miguel Lillo 31373] (N), flowers vivid-red. Salta: alt. 450 m, dept. Orán, September, 1915, J. Steinbach 1611 [Herb. Inst. Miguel Lillo 31357] (N), flowers clear-red, determined as *V. chamaedrifolia* by the collector. Santiago del Estero: La Banda, October 9, 1940, Maldonado R. 472 (N), flowers red, determined as « *V. peruviana* R. et P.» by the collector. Tucumán: El Puestito, alt. 700 m, dept. Burruyacu, October 11, 1928, S. Venturi 7360 (E). in wet meadows, flowers red.

LAMIACEAE

(determinations by Carl Epling)

Kurzamra pulchella (Clos) Kuntze — CHILE: Atacama: Cordillera Laguna Chica, alt. 4000 m, dept. Vallenar, January, 1924, E. Werdermann 263 [Macbride photos 20317] (Kr-photo), determined as *Urbania odorata* Werd. by the collector.

Salvia Gilliesii Benth. — ARGENTINA: Catamarca: Cuesta de la Chilca, alt. 1400 m, dep. Andalgalá, April 26, 1934, R. Schreiter s. n. [Herb. Inst. Miguel Lillo 32839, in part] (N), mixed with *Aloysia catamarcensis* Moldenke.