

ADDITIONAL NOTES ON THE GENUS CASSELIA. IV

Harold N. Moldenke

CASSELIA Nees & Mart.

Additional & emended bibliography: Endl., Gen. Pl. 634. 1838; Spach, Hist. Nat. Veg. Phan. 9: 227. 1840; Schau. in A. DC., Prodr. 11: 527-528, 616, & [733]. 1847; Schnitzlein, Iconogr. Fam. Nat. 2: 137 Verbenac. [3]. 1856; Buek, Gen. Spec. Syn. Candoll. 3: 86 & 147. 1858; Hocking, Excerpt. Bot. A.26: 7. 1975; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 189-198, 506, & 512 (1975) and 31: 373 & 384. 1975; Follmann-Schrag, Excerpt. Bot. A. 26: 504. 1976; Hocking, Excerpt. Bot. A.28: 258. 1976; Moldenke, Phytologia 36: 34 & 502. 1977.

The Endlicher (1838) reference cited above is often listed as "1836-1856", but the page involved here was actually issued in 1838.

CASSELIA CHAMAEDRYFOLIA Cham.

Additional bibliography: Buek, Gen. Spec. Syn. Candoll. 3: 86. 1858; Hocking, Excerpt. Bot. A.26: 7. 1975; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 191-192. 1975.

The corollas on Hatschbach 38932 are said to have been "lilac" when fresh and this collector encountered the species in rocky soil of cerrado, flowering in October.

Additional citations: BRAZIL: Goiás: Hatschbach 38932 (Ld).

CASSELIA CONFERTIFLORA (Moldenke) Moldenke

Additional bibliography: Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 192-193 (1975) and 36: 34. 1977.

The corollas on Hatschbach 39039 are said to have been "rose" in color when fresh, while those on Hatschbach 39091 were "dark-rose". This distinguished collector encountered the plant in sandy soil of "campo cerrado", flowering in October.

Additional citations: BRAZIL: Bahia: Hatschbach 39091 (Z). Goiás: Hatschbach 39039 (Ld).

CASSELIA CONFERTIFLORA var. LACINIATA (Moldenke) Moldenke

Additional bibliography: Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 193. 1975.

Additional citations: BRAZIL: Goiás: N. T. Silva 57733 (W-2454309).

CASSELIA GLAZIOVII (Briq. & Moldenke) Moldenke

Additional bibliography: Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 193 & 198 (1975) and 31: 373 & 384. 1975; Hocking, Excerpt. Bot. A.28: 258. 1976.

Hocking (1976) implies that C. glaziovii, as a species, was pro-

posed by me as new in 1975, but at the place to which he makes reference I do not propose the species as new, but, rather, its var. serrata Moldenke.

The Macedo 2655, previously cited by me and distributed as C. glaziovii, is now regarded by me as its var. serrata Moldenke.

CASSELIA GLAZIOVII var. SERRATA Moldenke, Phytologia 31: 373. 1975.

Bibliography: Moldenke, Phytologia 31: 373 & 384. 1975; Hocking, Excerpt. Bot. A.28: 258. 1976.

This plant bears striking superficial resemblance in its leaves to C. confertiflora (Moldenke) Moldenke, but its inflorescence characters seem to resemble more closely those of C. glaziovii. Macedo describes the color of its corollas as "roxas" [red], while Hatschbach refers to them as "lila" [lilac]. The plant has been collected in anthesis in October on "campestre da serra" and in rocky soil of "campo cerrado".

The Macbride photograph 24626, cited below, depicts Glaziou 21890, which I regard as typical C. glaziovii, and 13060, which I have previously cited as C. serrata Nees & Mart., but which I now feel is actually C. glaziovii var. serrata. The specimens depicted are deposited in the herbarium of the Conservatoire et Jardin Botaniques in Geneva. The Macedo 2655, also cited below, was previously erroneously cited by me as typical C. glaziovii.

Citations: BRAZIL: Goiás: Hatschbach 38941 (Id); Hatschbach, Anderson, Barneby, & Gates 36255 (N--isotype, Z--type). Minas Gerais: Glaziou 13060 [Macbride photos 24626 in part] (N--photo, W--photo); Macedo 2655 (N, S, S, S, W--2025585).

CASSELIA HASSLERI Briq.

Additional bibliography: Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 194. 1975.

CASSELIA HYMENOCALYX Briq.

Additional bibliography: Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 194--195. 1975.

CASSELIA INTEGRIFOLIA Nees & Mart.

Additional bibliography: Buek, Gen. Spec. Syn. Candoll. 3: 86. 1858; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 195--196 (1975) and 31: 384. 1975.

The Martius 29 collection, cited below, was misidentified as a member of the Apocynaceae or Rubiaceae by past herbarium workers and exhibits tubers on the roots.

Additional citations: BRAZIL: State undetermined: Martius 29 (Mu).

CASSELIA INTEGRIFOLIA var. FISCHERI (Mart.) Moldenke

Additional bibliography: Schau. in A. DC., Prodr. 11: 616. 1847; Buek, Gen. Spec. Syn. Candoll. 3: 147. 1858; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 195--196. 1975.

**CASSELLIA MANSOI** Schau.

Additional bibliography: Buek, Gen. Spec. Syn. Candoll. 3: 86. 1858; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 196--197. 1975.

**CASSELLIA ROSULARIS** Sandw.

Additional bibliography: Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 197. 1975.

Additional citations: BRAZIL: Mato Grosso: Archer & Gehrt 152 [Herb. Nat. Arb. 177226] (W--2666047).

**CASSELLIA SERRATA** Nees & Mart.

Additional bibliography: Buek, Gen. Spec. Syn. Candoll. 3: 86. 1858; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 193 & 197--198. 1975.

The Glaziou 13060 [Macbride photos 24626 in part], cited by me in a previous installment of these notes and commented on there, seems to me now to depict a specimen of typical C. glaziovii (Briq. & Moldenke) Moldenke and one of C. glaziovii var. serrata Moldenke rather than of C. serrata.

**CASSELLIA VERONICAEFOLIA** Cham.

Additional bibliography: Buek, Gen. Spec. Syn. Candoll. 3: 86. 1858; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 198. 1975.

Pinheiro describes this species as a plant 50 cm. tall, the corollas "white", and found it in anthesis in April.

Additional citations: BRAZIL: Bahia: Pinheiro 1221 (Z).

**CASSELLIA ZELOTA** (Moldenke) Moldenke

Additional bibliography: Hocking, Excerpt. Bot. A.26: 7. 1975; Moldenke, Biol. Abstr. 60: 68. 1975; Moldenke, Phytologia 30: 198. 1975.

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ADDITIONAL NOTES ON THE GENUS CHASCANUM. VIII

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**CHASCANUM** E. Mey.

Additional synonymy: Denisea [Neck.] apud López-Palacios, Fl. Venez. Verb. 648, in syn. 1977.

Additional & emended bibliography: Spach, Hist. Nat. Veg. Phan. 9: 227. 1840; Schau. in A. DC., Prodr. 11: 521 & 557--560. 1847; Buek, Gen. Spec. Syn. Candoll. 3: 64 & 343. 1858; Hepper in Hutchins. & Dalz., Fl. W. Trop. Afr., ed. 2, 2: 432 & 437--438. 1963; El-Gazzar, Egypt. Journ. Bot. 17: 75 & 78. 1974; Ament, Journ. E. Afr. Nat. Hist. Soc. & Nat. Mus. 154: 25. 1975; Hocking,