TYPIFICATION OF VERBENA SPURIA L. (VERBENACEAE)

GUY L. NESOM 2925 Hartwood Drive Fort Worth, TX 76109 www.guvnesom.com

ABSTRACT

A neotype is designated for Verbena sparia L.—the plant mounted as Clayon 481 in BM, apparently mislabelled, since the label information elserly tester to V. uricefola L. It is possible or even probable that the plant was among those studied by Linnausus in his formulation of the description of V. sparia, but since it cannot be unequivocally demonstrated to be original material, northylification is amorteriale.

KEY WORDS: Verbena spuria, Linnaeus, neotype

According to Jarvis (2007), a type for Verbena sparia has not been designated and original material has not been traced. It is argued here that a plant representing V. sparia indeed is in the Chyton herbranum and that if perhaps was studied by Limaneaus in the formulation of his concept of V. sparia. That plant, however, is mishabelled as V. urticifolia. Because it cannot be unequivocally demonstrated to be original material. The Chyton plant is designated as notyte.

Verbena spuria L., Sp. Pl. 1: 20. 1753. Verbena officinalis L. var. spuria (L.) Hook., Companion Bot. Mag. 1: 176. 1836. NEOTYPE (designated here): [USA]. Virginia. Clayton 431, the plant but not the accompanying label, which misidentifies it as V. urticifolia (BM-Clayton digital image!).

The protologue for Verbena sparia is this: "12. VERRENA tetrandra, spicis filiformibus, folis multifids-lacinatis, caulibus numerosis. Hort. ups. 8. Veronica humilior, foliis incisis. Clayt. virg. 8. Habitat in Canada, Virginia." This essentially repeated the text of Verbena species No. 3 of Hortus Upsalensis—also repeating the references to the relevant page number from that publication (*Plott. ups. 8") as well as from a species in Gronoviu's Flera Virginia; CVCLnt. virg. 8").

Verbena No. 3 in Hortus Upsalensis is described in this way: "3. VERBENA tedrandra [sic], spicis fillformibus, folis multido-lacinitis, caulibus numerosis. Verbena humilior folis incisis. Clayt. Verg. 8." The first phrase is repeated from a description in Hortus Cliffortianus that clearly refers to V. officinalis. The second phrase is repeated from the brief description on p. 8 of Flora Virginica.

only a single collection of Verbran sensu stricts is in the BM-Clayton herbrainm—the one identified as V. urticifolia (Clayton 43) from Virginia, amotated by J.I., Reveal in 1990 as a syntype of V. urticifolia), the one apparently presumed to be associated by Gronovius in Flora Virginica (p. 7) with the concept of V. urticifolia. This specimen, however, is not V. urticifolia but instead V. orthogonal formulas.

The Clayton 431 label obviously was intended originally for a collection of Verbena urticafolia, because the label information matches the concept of that species: "Verbena alta fol, urticae, ft. dilute caeruleis spicatum in summis caulibus congestibus, Clayt. n. 431," this repeated in the Flora Virginica text (n. 7) for V. urticifolia. But the leaves on the Clavton socieman are linearoblong, the margins not at all serrate but instead with a few narrow proximal lobes, the spikes are few and uncrowded, the furth are detauthly encode but distintful parey than in V. articefolia, and the corollas are larger than in V. articefolia. There would have been no other species other than V. afficiental in Calaboria sare attacted that we matched this collection. Verbram afficiental is probably was planted by the early colonists for its medicinal properties and parhaps already was naturalizing when Clastron collected it.

Because the plant montated on the Clayton 431 sheed does not match the concept of V; urrigiolat, and because even the early descriptions of V; argue (or V; efficientis) and V; urticefolas are distinct, it is probable that confusion in labeling occurred. Reveal (1983) noted other examples of manapplication of manner sorbling from specimens matchabello by Genocois and Linnause. The plant of the confusion of V; spurious only referred to, directly or indirectly, the species on p. 8 of Flora Virginica, without reference to a numbered collection by Clayton. Linnauses cold Victors viz. Treferring directly to the doscription on p. 7, thus indirectly to Clayton 43) in association with V: urticifolio in plant now associated with VICTorton 43 by V: urticifolio, no discinsibility is it.

Verbena urticifolia has been lectotypified by a LINN specimen by Méndez Santos and Cafferty (2001, p. 1140). They noted that, as part of the original material, Clayton 431 was "seen by Limascus," but in the interpretation here, Limaneus may not have seen a Clayton plant of bonafide V. urticifolia, since he only referred to the description by Gronovius. The path and ultimate fate of the Clavton collection roroered vasociated with the 451 label is unknown.

Verbena officinalis and V. spuria in North America

Early North American Horistic accounts by Michaux (1803) and Pursh (1814) included Verbena sparie but not V officinals: Subsequent treatments by Torroy (e.g., 1820) and Gray (e.g., 1848) also included V. sparie (without V. officinals), but the revised officin of Gray's Manual of Botary (1839) sparently was the first to treat it as a synomom of V. officinals. Gray studied in Lendon in 1838–1839 and 1835 (Duprea 1959) and perhaps on the second of these trips became convinced of the organizates of the two names.

A plausible explanation of the choice of the opithet "spuria" supports the synonymy of Verbens spuri and V-(dictuals: Limmens would have recognized the resemblance of the plant in the American collection to the European V-(dictuals, and although he was familiar with Vdictuals; and such years of variability in its native range, he may have been reluctant to identify the American plant as the same species. A comparison of authentic and inauthentic is implicit in the definition of "spurious."

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