

New Names for the Texas Taxa of Acacia (Fabaceae)

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ABSTRACT

Recent DNA studies of numerous authors (Arce & Bachman 2006; Miller and Bayer, 2003; Seigler, Ebinger and Miller 2006; Seigler Ebinger and Glass, 2012; etc.) have realigned the classically conceived **Acacia**, recognizing from its midst several genera. Amongst the Texas taxa numerous name changes are in order, these having been proposed by various authors, all of these treated as **Acacia** in my Legumes of Texas (Turner, 1959), and in my Atlas of the Vascular Plants of Texas (Turner et al. 2003). Distribution maps of the **Senegalia greggii** complex in Texas are also provided. *Phytologia* 97(2): 120-122 (April 1, 2015). ISSN 030319430.

KEY WORDS: *Acacia*, *Acaciella*, *Senegalia*, *Vachellia*

The following name changes of Texas **Acacia**, sensu Turner (1959; 2003) have been proposed by various authors, largely on the basis of DNA data.

Acacia angustissima (Mill.) Kuntze

Acaciella angustissima (Mill.) Britton & Rose

var. **chisosiana** (Isely) B.L. Turner, **comb. nov.**
based upon *Acacia angustissima* var. *chisosiana* Isely, Sida 3: 370. 1969.

var. **hirta** (Nutt.) B.L. Turner, **comb. nov.**
based upon *Acacia hirta* Nutt., in Torr. & Gray, Fl. N. Amer. 1: 404. 1840.
[includes *Acacia texensis* Torr. & Gray; cf. Turner 1996]

var. **filicoides** (Cav.) L. Rico, Kew. Bull. 59: 327. 2004.

Acacia berlandiera Benth.

Senegalia berlandieri (Benth.) Britton & Rose

Acacia greggii A. Gray

Senegalia greggii (A. Gray) Britton & Rose

Acacia roemeriana Scheele

Senegalia roemeriana (Scheele) Britton & Rose

Acacia wrightii Benth.

Senegalia wrightii (Benth.) Britton & Rose

Seigler, Ebinger and Miller (2006) treated this taxon at the specific level; Turner (1996) inexplicably treated the taxon at the varietal level (as *A. greggii* var. *wrightii*) and mapped it as such in his Atlas of Texas Plants (2003). Seigler, Ebinger and Glass (2012) are clearly correct in their interpretation of the complex; my restudy of the distribution of two taxa in Texas, based upon their criteria, is shown in Figs. 1 and 2.

Acacia constricta Benth. ex A. Gray

Vachellia constricta (Benth.) Seigler & Ebinger

Acacia farnesiana (L.) Willd.

Vachellia farnesiana (L.) Wight & Arn.

Acacia rigidula Benth.

Vachellia rigidula (Benth.) Seigler & Ebinger

Acacia schaffneri S. Wats.

Vachellia schaffneri (S. Wats.) Seigler & Ebinger

Acacia schottii Torr.

Vachellia schottii (Torr.) Seigler & Ebinger

Acacia vernicosa Britton & Rose.

Vachellia vernicosa (Britton & Rose) Seigler & Ebinger

Hybrid taxa

Acacia emoryana Benth.

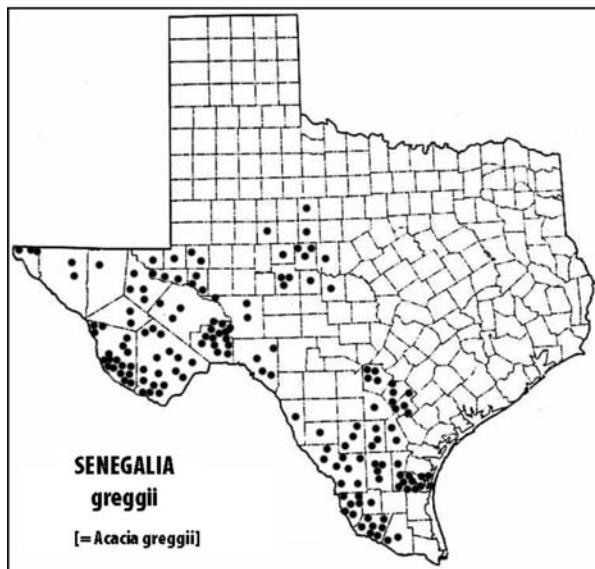
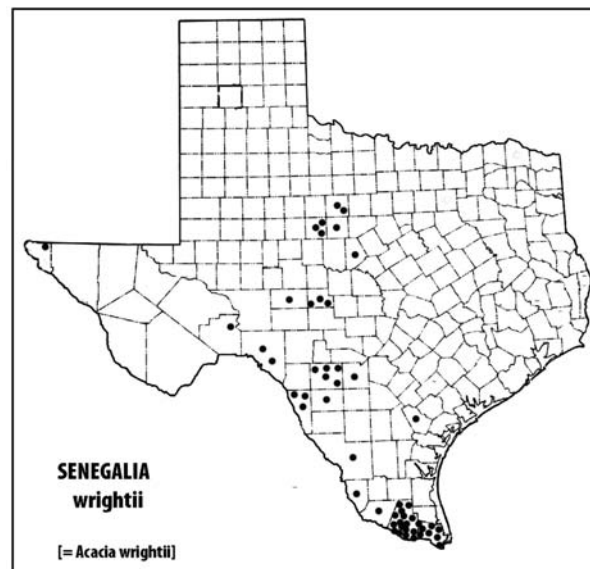
Senegalia x emoryana (Benth.) Britton & Rose
[reportedly hybrid of **S. berlandieri** x **S. greggii**]

Senegalia x turneri Seigler, Ebinger & Glass
[reportedly hybrid of **S. berlandieri** x **S. wrightii**]

I have accepted the collections (cited in Seigler, Ebinger and Glass 2012) of the above hybrids; these are mapped accordingly in my revised Atlas.

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Fig.1. Distribution of *Senegalia greggii*.Fig. 2. Distribution of *Senegalia wrightii*.