

## A REVIEW OF SWEETIA AND ACOSMIUM

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In 1963, Mohlenbrock published a revision of the south and central American genus *Sweetia* (Webbia 17: 223-263). When using it to name material in the herbarium of the Komarov Botanical Institute (LE) we discovered several details not mentioned by Mohlenbrock. This additional material showed that it was necessary to reconsider the generic status of *Sweetia*, *Ferreirea* and *Dicraeopetalum*. Thanks to the kindness of colleagues at Chicago (F) we were able to borrow specimens determined by Mohlenbrock and compare them with our material.

*Sweetia fruticosa* Spreng. is of special interest for study because it is the type of the genus *Sweetia* (International Code of Botanical Nomenclature 296, 1966). The type gathering was made by Sellow in Yponnema, Brazil. It is an incomplete specimen consisting of leafless inflorescences with only a few flowers. Mohlenbrock studied one of Sellow's specimens and reproduced a habit drawing of *S. fruticosa*; it is not clear, however, what the basis for the reproduction of the leaflets may be as they are not present on any of the specimens. There is another more important difference between Mohlenbrock's sketch and Sellow's specimen: the flower illustrated does not correspond with that of the original gathering. In fact, the flower of the type specimen (fig. 1) is identical with *Ferreirea spectabilis* Allem.—a species from Brazil and Paraguay. Flowers of *Ferreirea spectabilis* and *Sweetia fruticosa* differ from those of *Sweetia* sensu Mohlenbrock in the broad standards, which embrace the other petals, and in the slightly truncated but not toothed calyx.

Further morphological and anatomical examination of the twigs from Sellow's specimens and corresponding parts of *Ferreirea spectabilis* confirms that the two species are identical.

This identification of *Sweetia fruticosa* changes the concept of *Ferreirea* and *Sweetia* and it is necessary to provide several new names. Evidently *Sweetia* Spreng. differs from *Sweetia* sensu Mohlenbrock (excluding *S. fruticosa* and *S. atrata*). *Sweetia* must be preserved only for *S. fruticosa*, with *Ferreirea spectabilis* as a synonym, and for the closely allied *S. atrata*. The two known synonyms for *Sweetia* sensu Mohlenbrock are *Acosmium* Schott (1827) and *Leptolobium* Vog. (1837); the former can be used as the new generic name.

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| Standard several times broader than the other petals; legume with |                 |
| a broad terminal wing; radicle of embryo straight or almost so;   |                 |
| endosperm absent?                                                 | <i>Sweetia</i>  |
| Petals all alike: legume with a narrow wing; radicle straight or  |                 |
| curved; endosperm present                                         | <i>Acosmium</i> |

*Sweetia* Spreng. in L., Syst. Veg. ed. 16, 2: 171 (1825), non DC. in Prodr. 2: 381 (1825).

Syn.: *Ferreirea* Allem. in Trab. Soc. Vell. 26 (1851); Benth. in Mart., Fl. Bras. 15, 1: 310 (1859).\*

Type: *S. fruticosa* Spreng.

1. *S. fruticosa* Spreng. in L., Syst. Veg. ed. 16, 2: 213 (1825).

Type: *Brasilia meridionalis*, Yponnema, Sellow (holo. B†; photo of holo. F; iso. GH, F, LE).

- |    |                                                                             |                              |
|----|-----------------------------------------------------------------------------|------------------------------|
| 1. | Petiolules and leaflets glabrous or almost glabrous . . . . .               | 2                            |
| +  | Petiolules and leaflets pubescent on the lower surface throughout . . . . . | a var. <i>fruticosa</i>      |
| 2. | Small trees . . . . .                                                       | b var. <i>paraguariensis</i> |
| +  | Shrubs . . . . .                                                            | c var. <i>hassleri</i>       |

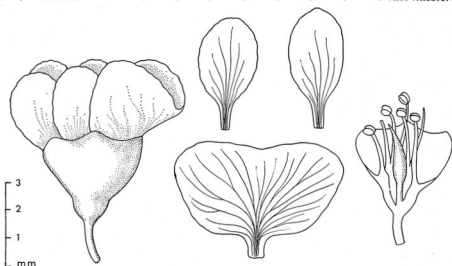


FIG. 1. Flower of *Sweetia fruticosa* (from Sellow).

a. var. *fruticosa*

Syn.: *Acosmium lentiscifolium* auct. non Schott; Vog. in Linnaea 11: 395 (1837).

*Ferreirea spectabilis* Allem. in Trab. Soc. Vell.: 26 (1851); Benth. in Mart., Fl. Bras. 15, 1: 310 (1859).

Type: cited above.

Specimens examined. BRAZIL, Sellow (B—only photo seen; GH, F, LE); *Allemao* 5054 (photo and part of type of *Ferreirea spectabilis*, F); BOLIVIA, Velasco, 5 xii 1951, Schmidt 153 (HBG).

b. var. *paraguariensis* (Hassler) Yakovl., comb. nov.

Syn.: *Ferreirea spectabilis* Allem. var. *paraguariensis* Hassler in Bull. Herb. Boiss. ser. 2, 4: 834 (1904).

Type: Paraguay, pr. Tobaty, ix 1901, Hassler 6211 (holo. W; iso. MICH, G, E, UC).

\* *Ferreirea praecox* (Harms) Malme = *Leutzelburgia praecox* (Harms) Harms.

Specimens examined. PARAGUAY: *Hassler* 6211 (W, MICH, G, E, UC); pr. Concepcion, *Hassler* 7277 (MICH, G, UC, E); in reg. lacus Ypacaray, ix 1913, *Hassler* 12298 (MICH, G, UC, E); Cordillera de Altos, 18 x 1902, *Fiebrig* 264 (F, E); sylv. hort. bot., x 1943, Pavetti, *Morin* 1371 (MICH). BRAZIL: Estado de Sao Paulo, Pirassunga Emas, Capoeira, 14 ix 1946, *Kuhlmann* 1465 (SP, LE); Rio de Janeiro, 1881, *Glaziou* 12602 (LE).

c. var *hassleri* Yakovl., nom. et stat. nov.

Syn.: *Ferreirea spectabilis* Allem. f. *fruticosa* Chodat & Hassler in Bull. Herb. Boiss. ser. 2, 4: 834 (1904).

Type: Brazil, pr. Tobaty, ix 1901, *Hassler* 6167 (W, UC, F).

Specimen examined: *Hassler* 6167 (W, UC, F).

2. *S. atrata* Mohlenb. in *Webbia* 17: 233 (1963).

Type: Paraguay, Uhu, *Jorgensen* 4796 (holo. MO, non vidi; iso. F).

Specimen examined. *Jorgensen* 4796 (F).

There are only specimens with semi-mature legumes and the flowers are unknown. But the legumes are rather distinctive, which was not mentioned by Mohlenbrock: they have a special terminal wing like the legumes of the previous species.

The genera *Leutzelburgia* Harms and *Tipuana* Benth. have similar fruits but their walls are rather hard, furthermore the persistent calyx on the fruits of *S. atrata* corresponds to that of *Sweetia* or *Acosmium*. So we retain this species in the genus *Sweetia*.

*Acosmium* Schott in Spreng., Linn. Syst. Veg. ed. 16, 4: 406 (1827).

Syn.: *Leptolobium* Vog. in *Linnaea* 11: 388 (1837) non Benth. (1838).

*Thalesia* Mart. in Herb. Fl. Bras. no. 1151 (cat. autogr.); Endl., Gen. no. 6751.

- |                                                           |                             |
|-----------------------------------------------------------|-----------------------------|
| 1. Stamens 5 . . . . .                                    | Sect. 4, <i>Praeclara</i>   |
| + Stamens 10 . . . . .                                    | 2                           |
| 2. Calyx teeth shorter than the tube . . . . .            | Sect. 1, <i>Acosmium</i>    |
| + Calyx teeth equalling or longer than the tube . . . . . | 3                           |
| 3. Radicle of embryo straight . . . . .                   | Sect. 2, <i>Leptolobium</i> |
| + Radicle of embryo curved . . . . .                      | Sect. 3, <i>Mesitis</i>     |

Sect. I. ACOSMIUM

Syn.: *Sweetia* Spreng. sect. *Acosmium* (Schott) Benth. in Journ. Linn. Soc. Bot. 8: 261 (1865).

- |                                                             |                             |
|-------------------------------------------------------------|-----------------------------|
| 1. Golden glands on the calyx; leaflets 17-29 in number     | 2. <i>A. diffusissimum</i>  |
| + No glands on the calyx, leaflets 7-21 in number . . . . . | 2                           |
| 2. Leaflets 15-20 mm × 9-11 mm, subcoriaceous               | 1. <i>A. lentiscifolium</i> |
| + Leaflets c. 15 mm × 7 mm, rather membranous . . . . .     | 3. <i>A. fallax</i>         |

1. **A. lentiscifolium** Schott in Spreng., Linn. Syst. Veg. ed. 16, 4: 406 (1827).  
 Syn.: *Sweetia lentiscifolia* (Schott) Spreng. in Linn. Syst. Veg. ed. 16, 4: 406 (1827)—in comment.

Type: Brazil, Schott 4391 (holo. W; iso. F, P, US, LE).

Specimens examined. BRAZIL: Schott 4391 (W, P, LE); Rio de Janeiro, 1876, Glaziou 7581 (LE).

2. **A. diffusissimum** (Mohlenb.) Yakovl., **comb. nov.**

Syn.: *Sweetia diffusissima* Mohlenb. in Webbia 17: 257 (1963).

Type: Brazil, Minas Geraes, Belo Horizonte, Tombos, Fazenda do Vinhatico, M. Berreto 1936 (SP).

Known only from the type—not seen.

3. **A. fallax** (Taub.) Yakovl., **comb. nov.** Fig. 2.

Syn.: *Sweetia fallax* Taub. in Flora 75: 82 (1892).

Type: Brazil, Rio de Janeiro, Glaziou 14618 (holo. B†; iso. F, LE).

Specimens examined: Glaziou 14618 (F, LE).

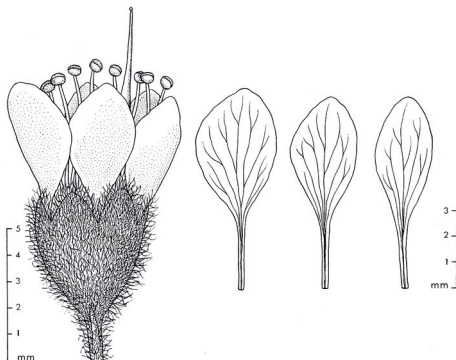


FIG. 2. Flower of *Acosmium fallax* (from Glaziou 14618).

- Sect. 2. **Leptolobium** (Vog.) Yakovl., **comb. nov.**

Syn.: *Leptolobium* Vog. in Linnaea 11: 391 (1837).

*Leptolobium* Vog. sect. *Euleptolobium* Vog., l.c.: 391 (1837).

*Sweetia* Spreng. sect. *Leptolobium* (Vog.) Benth. in Journ. Linn. Soc. Bot. 8: 261 (1865); Mohlenb. in Webbia 17: 233 (1963).

Type: *Acosmium dasycarpum* (Vog.) Yakovl.

- |                                                                                                 |                            |
|-------------------------------------------------------------------------------------------------|----------------------------|
| 1. Lower surface of leaflets glabrous . . . . .                                                 | 2                          |
| + Lower surface of leaflets distinctly pubescent . . . . .                                      | 7                          |
| 2. Leaflets less than 25 mm. long . . . . .                                                     | 8. <i>A. parvifolium</i>   |
| + Leaflets over 25 mm long . . . . .                                                            | 3                          |
| 3. Leaflets membranous . . . . .                                                                | 10. <i>A. tenuifolium</i>  |
| + Leaflets dense, subcoriaceous . . . . .                                                       | 4                          |
| 4. Leaflets subsessile or sessile . . . . .                                                     | 4. <i>A. dasycarpum</i>    |
| + Leaflets with petiolules at least 2 mm long (from 2 to 10 mm) . . . . .                       | 5                          |
| 5. Petiolules glabrous . . . . .                                                                | 6                          |
| + Petiolules pubescent; legume turgid, subligneous . . . . .                                    | 12. <i>A. nitens</i>       |
| 6. Petiolules 2-6 mm long . . . . .                                                             | 9. <i>A. subelegans</i>    |
| + Petiolules 6-10 mm long . . . . .                                                             | 11. <i>A. panamense</i>    |
| 7. Leaflets without any apparent lateral veins on lower surface or prominent venation . . . . . | 8                          |
| + Leaflets net-veined on lower surface . . . . .                                                | 4. <i>A. dasycarpum</i>    |
| 8. Leaflets acuminate . . . . .                                                                 | 6. <i>A. mohlenbrockii</i> |
| + Leaflets roundish or retuse . . . . .                                                         | 9                          |
| 9. Leaflets 7-11 cm long . . . . .                                                              | 5. <i>A. tomentellum</i>   |
| + Leaflets 3-7 cm long . . . . .                                                                | 7. <i>A. glaziovianum</i>  |

4. *A. dasycarpum* (Vog.) Yakovl., **comb. nov.**

Syn.: *Leptolobium dasycarpum* Vog. in Linnaea 11: 388 (1837).

*Sweetia dasycarpa* (Vog.) Benth. in Journ. Linn. Soc. Bot. 8: 261 (1865).

- |                                                                |                          |
|----------------------------------------------------------------|--------------------------|
| 1. Leaflets glabrous or subglabrous on lower surface . . . . . | subsp. <i>glabratum</i>  |
| + Leaflets densely tomentose on lower surface . . . . .        | subsp. <i>dasycarpum</i> |

a. subsp. **dasycarpum**

Syn.: *Leptolobium lanceolatum* Tul. in Arch. Mus. Paris 4: 118 (1844).

*L. dasycarpum* forma  $\alpha$  Tul. in Arch. Mus. Paris 4: 118 (1844).

Specimens examined.\* BRAZIL: Minas Geraes, *Sellow* p.p. (LE): xi 1824, *Riedel* 866 (LE); v 1834, *Riedel*, *Luschanatt* 2920 (LE); 1840, *Clausen* (LE); 10 ii 1848, *Regnell* 67 (U, LE); Rio de Janeiro, 1888-89, *Glaziov* 17602 (LE); Sao Paulo—Mojí-Guacu, 20 xi 1958, *Handro* 823 (LE); without locality, *Blanchet* (LE); *Pohl* 984 (W, LE); *Martius* 3114 (LE).

b. subsp. **glabratum** (Benth) Yakovl., **comb. nov.**

Syn.: *Leptolobium elegans* Vog. in Linnaea 11: 390 (1837) p.p.

*L. elegans* Vog. var. *grandifolia* Vog. in Herb. Hort. Leninop., sphalm. *grandiflora* Vog. ex Mohlenb. in Webbia 17, 2: 250 (1963).

*Sweetia glabrifolia* Benth. in Journ. Linn. Soc. Bot. 8: 262 (1865).

*S. elegans* (Vog.) Benth. l. c. 262, quoad syn.

*S. dasycarpa* (Vog.) Benth. var. *glabrata* Benth. in Mart., Fl. Bras. 15, 2: 6 (1870).

\* Only specimens examined from European herbaria are cited here and below; those cited by Mohlenbrock from American herbaria are not mentioned.

*Leptolobium tortum* Mart. in Herb. Fl. Bras. no. 1151 (cat. autogr.).

*Thalesia* Mart. in Herb. Fl. Bras. no. 1151 (cat. autogr.); Endl. Gen. no. 6751.

*Sweetia dasycarpa* var. *torta* Malme in Ark. Bot. Stock. 18, 17: 21 (1934).

*S. handroi* Mohlenb. in Webbia 17: 246 (1963).

Lectotype: Brazil, *Glaziou* 12603 (GH; iso. P, LE).

Specimens examined. BRAZIL: Minas Geraes, *Sellow* p.p. (BD, LE); ix 1827, *Riedel* 1125 (LE); *Regnell* 66, 2398a (ST, LE); Rio de Janeiro, 1881, *Glaziou* 12603 (LE); 1882, *Glaziou* 14620 (LE); Mart. Herb. Fl. Bras. no. 1151 (LE); Sao Carlos—Rio Moji-Guacu, 28 iii 1962, *Maria Lea S. Labouriau* 54 (LE).

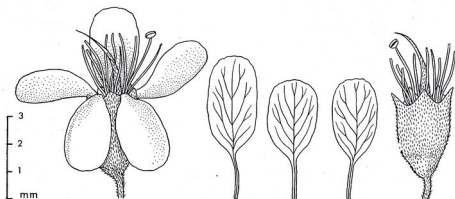


FIG. 3. Flower of *Acosmium dasycarpum* subsp. *glabratum* (from *Glaziou* 14620).

5. *A. tomentellum* (Mohlenb.) Yakovl., **comb. nov.**

Syn.: *Sweetia tomentella* Mohlenb. in Webbia 17: 242 (1963).

Type: Brazil, Amazonas, Boa Vista, Rio Branco, *Kuhlmann* 3239 (holo. SP, non vidi).

This species is probably allied to *A. glaziovianum*.

6. *A. mohlenbrockii* Yakovl., **nom. nov.**

Syn.: *Sweetia velutina* Mohlenb. in Webbia 17: 243 (1963), non G. Don (1832).

Type: Brazil, Goiania, Goias, *Magalhaes* 8678 (holo. IAN, non vidi).

7. *A. glaziovianum* (Harms) Yakovl., **comb. nov.**

Syn.: *Sweetia glazioviana* Harms in Bot. Jahrb. 33, Beibl. 72: 26 (1903).

Type: Brazil, Minas Geraes, *Glaziou* 18207 (holo. B†; iso. GH, F, P, LE). Specimens examined. BRAZIL: *Glaziou* 18207 (LE), *Burchell* 6676 (LE), *Pohl* 602 (LE).

On one hand the species is closely allied to *A. dasycarpum* but on the other it is possibly related to *A. tomentellum*.

**8. *A. parvifolium* (Harms) Yakovl., comb. nov.**

Syn.: *Sweetia parvifolia* Harms in Bot. Jahrb. 42: 211 (1909)

Type: Brazil, Piaui, from Catinga de Serra, *Ule* 7156 (holo. B†—non vidi; iso. HBG).

Mohlenbrock's supposition about the relationship of this species with the species of section *Sweetia* sensu Mohlenb. is groundless. Benthham who pointed out its proximity to *A. dasycarpum* (= *S. dasycarpa*) was right. There is a transitional or hybrid specimen between *A. parvifolium* and *A. dasycarpum* (*Ule* 6536 in HBG).

**9. *A. subelegans* (Mohlenb.) Yakovl., comb. nov.**

Syn.: *Leptolobium elegans* Vog. in Linnaea 11: 390 (1837) p.p.

*L. elegans* Vog. var. *parvifolia* Vog. in Herb. Hort. Leninop., sphalm. *parviflora* Vog. ex Mohlenb. in Webbia 17: 250 (1963).

*Sweetia elegans* (Vog.) Benth. in Journ. Linn. Soc. Bot. 8: 262 (1865) quoad plant. excl. syn.

*S. elegans* (Vog.) Benth. f. *ovalifolia* Chodat & Hassler in Bull. Herb. Boiss. ser. 2, 4: 833 (1904).

*S. elegans* (Vog.) Benth. f. *oblongifolia* Chodat & Hassler l.c.

*Sweetia subelegans* Mohlenb. in Webbia 17: 251 (1963).

Type: Brazil, Sellow (holo. GH; iso. LE).

Specimens examined: BRAZIL: Sellow p.p. (LE); Riedel 87 (LE); Riedel 406 (LE); Rio Pardo, Riedel 591 (LE); Riedel 2350 (LE); Minas Geraes, 1847, Regnell 58 (LE); Mart. Herb. Fl. Bras. no. 1150 (LE); Parana, Jaquariahyva, 1914, Dusen (LE); Sao Paulo, entre Bofete Guarei et Fazenda Cachoeira, 24 i 1945, Kuhlmann 1308 (SP, LE); Campinas, 15 xi 1946, Koehne 53523 (SP, LE); Parana, Jaquariaiva—Senges, 5 xii 1964, Hatschbach 11992 (LE, F). ARGENTINA: San Ignacio, Teyucuaré, 13 ii 1945, Burkart 15366 (GB). PARAGUAY: iii 1875, Balansa 1390 (LE); Atisa, Hassler 3546 (G); San Pedro, Primavera, 17 xi 1957, Woolston 908 (U).

**10. *A. tenuifolium* (Vog.) Yakovl., comb. nov.**

Syn.: *Leptolobium tenuifolium* Vog. in Linnaea 11: 391 (1837).

*Sweetia tenuifolia* (Vog.) Benth. in Mart., Fl. Bras. 15, 2: 7 (1870).

Type: Brazil, inter Campos et Victoria, Sellow (holo. B†; part of holo. and photo. F).

Specimens examined: Sellow (F).

**11. *A. panamense* (Benth.) Yakovl., comb. nov.**

Syn.: *Sweetia panamensis* Benth. in Journ. Linn. Soc. Bot. 8: 263 (1865).

Type: Panama, from Paraiso Station, Hayes 267 (non vidi).

Specimens examined: MEXICO: Oaxaca, vi 1937, Llewellyn Williams 9165 (U). HONDURAS: Quebrada de Jaqua, dept. El. Paraiso, 5 vi 1951, Standley 28562 (LE).

**12. *A. nitens* (Vog.) Yakovl., comb. nov.**

Syn.: *Leptolobium nitens* Vog. in Linnaea 11: 394 (1837).

*L. nitidulum* Miq. in Stirp. Surin. Sel. 18 (1851).

*Sweetia nitens* (Vog.) Benth. in Journ. Linn. Soc. Bot. 8: 262 (1865).

Type: Cayenne, *Martin* (holo. P; photo holo. F).

Specimens examined. BRAZIL: *Riedel* 97 (LE); *Riedel* 747 (LE); prov. Para, Santarem, viii 1850, *Spruce* (LE); prov. Rio Negro, v 1851, *Spruce* 921 (LE); Rio Madeira, iii 1902, *Ule* 6086 (HBG); Estado Amazonas, Lago de Badajo, 26 viii 1950, *Froes* 26397 (LE, SP). COLOMBIA: Rio Apaporis, entre el Rio Pacoa y el Rio Kananari, Soratama, 21 vi 1951, *Schultes & Cabrera* 12744 (U). SURINAM: Kobveri, Corantyne, 27 vi 1916, *Herb. For. dep.* 2203 (U, LE); *ibid.*, 14 x 1916, *Herb. For. dep.* 3147 (U); Zandery I., 25 x 1916, *Herb. For. dep.* 3351 (U); *ibid.*, 19 ii 1917, *Amshoff* 2688 (U, LE); *ibid.*, 3 ii 1923, *Herb. For. dep.* 6031 (U, LE); *ibid.*, 2 iii 1923, *Herb. For. dep.* 6207 (U); Watergrien, iii 1943, *Republiek* (U); Coropina creek, 22 xi 1953, *Lindeman* 5060 (U). VENEZUELA: Rio Orinoco, between mouth of Rio Atabapa and Cano, Masaqua, 10 km upstream, 16 v 1954, *Level* 96 (LE). GUYANA: 1838, *Schomburgh* 526 (G); *ibid.* 730 (LE); Kurihi falls, Essequibo River, 15 viii 1952, *Herb. For. dep.* 1318 (U); Mazarun River, 28 x 1952, without collector, F 3535 (U).

Sect. 3. **Mesitis** (Vog.) Yakovl., **comb. nov.**

Syn.: *Leptolobium* sect. *Mesitis* Vog. in *Linnaea* 11: 393 (1837).

*Sweetia* Spreng. sect. *Mesitis* (Vog.) Benth. in *Journ. Linn. Soc. Bot.* 8: 261 (1865).

*Dicraeopetalum* Harms in *Bot. Jahrb.* 33: 161 (1904).

Radicle of embryo curved?; leaflets usually less than 25 mm long.

Type: *A. bijugum* (Vog.) Yakovl.

- |                                                                 |                              |
|-----------------------------------------------------------------|------------------------------|
| 1. Leaflets alternate . . . . .                                 | 2                            |
| + Leaflets opposite or subopposite . . . . .                    | 3                            |
| 2. Leaflets emarginate . . . . .                                | 16. <i>A. inornatum</i>      |
| + Leaflets roundish or subacute . . . . .                       | 14. <i>A. stipulare</i>      |
| 3. Leaflets emarginate, venation of the lower surface prominent | 15. <i>A. brachystachyum</i> |
| + Leaflets usually roundish, veins prominent slender . . . . .  | 13. <i>A. bijugum</i>        |

13. **A. bijugum** (Vog.) Yakovl., **comb. nov.**

Syn.: *Leptolobium bijugum* Vog. in *Linnaea* 11: 391 (1837).

*Sweetia bijuga* (Vog.) Benth. in *Journ. Linn. Soc. Bot.* 8: 261 (1865).

Type: Brazil, Baia, Vittoria, *Sellow* (holo. B†; part of holo. and photo. F; iso. P, LE).

Specimens examined. BRAZIL; *Sellow* (F, P, LE); i 1840 *Luschnatt* (LE).

14. **A. stipulare** (Harms) Yakovl., **comb. nov.**

Syn.: *Dicraeopetalum stipulare* Harms in *Bot. Jahrb.* 33: 161 (1904).

Type: Somaliland, Bergplateau Adjabo, vi 1900, *Ellenbeck* 1108 (holo. B†). Specimens examined. SOMALI: Colina di Degder, 28 ix 1913, no. 870 (FI).

15. **A. brachystachyum** (Benth.) Yakovl., **comb. nov.**

Syn.: *Sweetia brachystachya* Benth. in *Journ. Linn. Soc. Bot.* 8: 262 (1865).

Type: Brazil, Minas Geraes, Serra de Lopa (Lapa), *Riedel* 56 (holo. LE; iso. LE, GH, K).

Specimens examined: BRAZIL, *Riedel* 56, 191, 623, 1025 (LE).

**16. *A. inornatum* (Mohlenb.) Yakovl., comb. nov.**

Syn.: *Sweetia inornata* Mohlenb. in *Webbia* 17: 237 (1963).

Type: Brazil, Baia, Barreiros, *Black* 55-18071 (holo. IAN—non vidi).

As Mohlenbrock's sketch shows, the shape of the leaflets is nearly that of the previous species, but their arrangement is alternate.

**Sect. 4. *Praeclara* Yakovl., sect. nov.**

A sectionibus caeteris generis *Acosmii* staminibus 5 (nec 10) et glandulis nigris punctatis ad paginas foliorum dispositis differt.

Type: *A. praeclarum* (Sandwith) Yakovl.

**17. *A. praeclarum* (Sandwith) Yakovl., comb. nov.**

Syn.: *Sweetia praeclara* Sandwith in *Contr. Gray Herb.* 165: 25 (1947).

Type: British Guiana, Essequibo R., Makauria Creek, *Aitken* (For. Dept. 2353; holo. K, non vidi).

Specimens examined. GUYANA: Bartica Potaro road near 14 milepost, 17 viii 1937, *Sandwith* 1109 (U); Moramballi creek, Empubo River, 17 v 1943, *Fanshawe* (For. Dept. 4033; K, U).