THE LOGANIACEAE OF AFRICA XVII. STRYCHNOS IV. SUPPLEMENTARY NOTES TO THE REVISION OF THE SPECIES REPRESENTED IN AFRICA

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The recently collected flowers of *Strychnos millepunctata* are described and some additional notes are given on other species.

Since the appearance of the last publication on African *Strychnos* (LEEUWENBERG 1972) only a few new discoveries have been made. *S. chromatoxylon* has been discovered in Ivory Coast (Maroué Nat. Park, E. of Daloa, J. B. Hall & Abbiw GC 45365 (GC)) and *S. ternata* proved to occur also further to the West in Cameroun (near Yingui, Leeuwenberg 9089 (WAG, YA)). Since the publication of the revision (LEEUWENBERG 1969) the author had an opportunity to study 9 more species in the field (*S. cocculoides, S. decussata, S. fallax, S. gnetifolia, S. lucens, S. madagascariensis, S. odorata,* and *S. pungens*). The delimitation of these species is confirmed by the observations of the living plants.

When J. J. F. E. de Wilde and Leeuwenberg collected fruiting material of this species, living seeds were sent to Wageningen. Two of the seedlings of this collection were grown in the hothouse; they flowered for the first time at an age of almost 15 years. As it is possible now to complete the description of the species, the following supplementary notes are given:

42. **S. millepunctata** Leeuwenberg, *Acta Bot. Neerl.* 14: 221, f. 1. 1–6. 1965, partly (excl. Chevalier 13128 and Thomas 5032) and *Meded. Landbouwh. Wageningen* 69 (1): 186, f. 28. 1–6. 1969. Type: Ivory Coast: Abouabou Forest, between Abidjan and Grand Bassam, Leeuwenberg 2662 (WAG, holotype; isotypes: A, B, BR, COI, FHO, G, K, M, MO, P, PRE, S, U, Z).

Inflorescence axillary, 1–2 × 1–2 cm, twice branched. Peduncle, branches, and pedicels short, glabrous or minutely pubescent. Bracts small, sepal-like, glabrous beneath, with some colleters at the base above. *Flowers* 4–(not 5–)merous. *Sepals* pale green, connate at the base, equal or subequal, broadly ovate or suborbicular, about as long as wide, 1.2–1.3 × 1.2 mm, obtuse or rounded, ciliate, glabrous on both sides, without colleters. *Corolla* pale green like the calyx, except for the lobes which are darker green on both sides, in the mature bud 4–4.5 × as long as the calyx and 5–5.5 mm long, outside minutely papillose like inside on the lobes, furthermore inside in the throat sometimes with very few hairs; tube about 3 × as long as the calyx, about twice as long as the lobes, 3.5–4 × 2.2–2.5 mm, amply cylindrical, contracted at the base; lobes triangular, 2 × 1.3–1.4 mm, acute, spreading. *Stamens* slightly exserted; filaments short, half as long as the anthers, glabrous, inserted at the mouth of the corolla tube; anthers ovate or nearly so, 1 × 0.5 mm, bearded with some curled hairs at the subcordate base; cells paral-
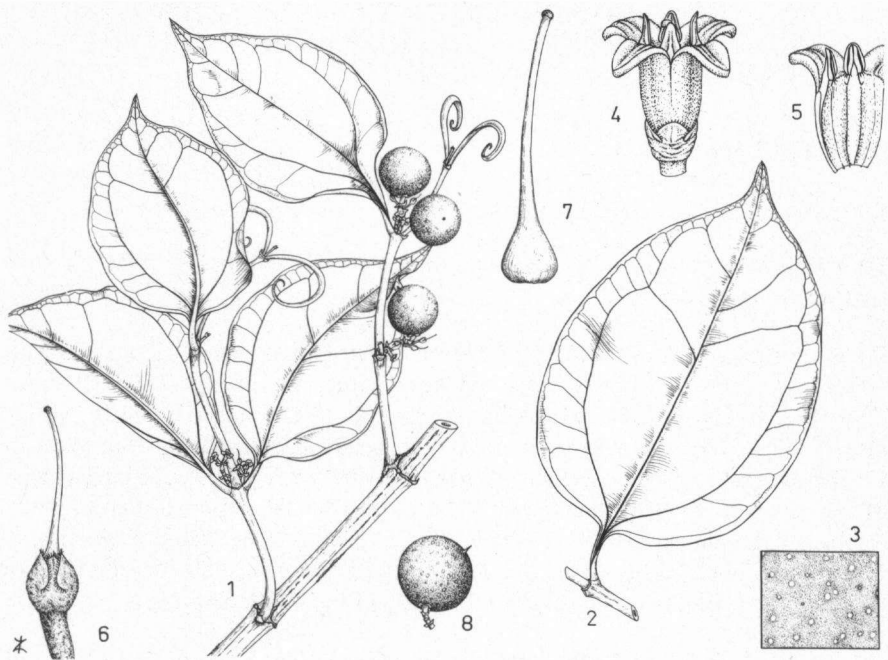
Fig. 1. *Strychnos millepunctata:* 1. fruiting branch, $\frac{1}{2} \times$; 2. leaf, $\frac{1}{2} \times$; 3. leaf portion above, $15 \times$; 4. flower, $9 \times$; 5, portion of corolla with stamens, $9 \times$; 6. calyx with pistil, $5 \times$; 7. pistil, $7 \times$; 8. fruit, $\frac{1}{2} \times$ (1–3. Leeuwenberg 2662; 4–5. Leeuwenberg 11040; 6–7. Nozeran 6 Sept. 1950; 8. J. de Wilde & Leeuwenberg 3447).

lel. *Pistil* glabrous, 4–5 mm long; ovary ovoid, 1.2×0.8 mm, 2-celled, attenuate into the exserted style; stigma capitate, 0.1 mm in diameter. In each cell 5–8 ovules.

Cult. hothouse Wageningen, Netherlands (fl. 30 Nov. 1976) Leeuwenberg 11040 (A, BR, K, M, MO, P, PRE, W, WAG, Z), seedling of herb. J. de Wilde & Leeuwenberg 3447 (ABI, BR, K, WAG), collected on 22 Feb. 1962, Abouabou Forest, between Abidjan and Grand Bassam, Ivory Coast.

REFERENCES

LEEUWENBERG, A. J. M. (1969): The Loganiaceae of Africa VIII. Strychnos III. Revision of the African species with notes on the extra-African. *Meded. Landbouwhogesch. Wageningen* **69** (1): 1–316.
— (1972): Loganiaceae in *Flore du Cameroun* **12** (= *Flore du Gabon* **19**).