

TYPE COLLECTIONS OF AFRICAN RUBIACEOUS TAXA AT THE MISSOURI BOTANICAL GARDEN HERBARIUM

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Shortly after arriving at the Missouri Botanical Garden I was astounded to find so many type specimens of African species housed in the herbarium. My interests include members of the rubiaceous tribe *Hedyotideae* and more particularly *Oldenlandia* and its immediate allies (cf. this issue p. 182). Provided that the representation for these genera is indicative of others, and there is no reason to assume otherwise, then the type collections are numerous enough to be a major source of reference for all students of African botany. Most type specimens are based upon collections made early in the 19th century, notably by W. Schimper (1835-42) from northeastern Africa and by J. F. Drège (1826-34) and F. Krauss (1838-40) from South Africa.

Below are listed the type collections for 26 taxa in *Oldenlandia* and closely allied genera (base chromosome number $x = 9$). Judging from Bremekamp's monographic treatment of *Oldenlandia* (Verh. K. Nederl. Akad. Wetensch., Afd. Natuurk., sect. 2, **48**: 1-297. 1952) this is probably one of the longest lists which can be assembled for these taxa from any herbarium outside of Europe, and certainly in the New World. Prior to this time, not one of the collections had been marked as type material and fewer than half had been stamped as belonging to MO.

1. *Amphiasma robijnsii* Bremek.: *Robyns* 2186, 29 Apr. 1926, Congo (Léop.), MO 1615052.

2. *Crusea* ? *acuminata* E. Mey. ex Drège, nomen: *Drège s. n.*, South Africa, Natal, MO 1801948. = *Conostomium natalense* (Hochst.) Bremek. var. *glabrum* Bremek.

3. *Hedyotis abyssinica* Hochst. ex A. Rich.: *Schimper* 1902, 10 Oct. 1842, Ethiopia, MO 1801939. = *Kohautia coccinea* Royle.

4. *Hedyotis decumbens* Hochst.: *Krauss* 305, South Africa, Natal, MO 1801949. = *Oldenlandia affinis* (R. & S.) DC.

5. *Hedyotis globosa* Hochst. ex A. Rich.: *Schimper* 512, 20 Nov. 1839, Ethiopia, MO 1802020. = *Agathisanthemum globosum* (Hochst. ex A. Rich.) Klotzsch ex Hiern.

6. *Hedyotis monanthos* Hochst. ex A. Rich.: *Schimper* 1370, 30 July 1842, Ethiopia, MO 1801950. = *Oldenlandia monanthos* (Hochst. ex A. Rich.) Hiern.

7. *Hedyotis natalensis* Hochst.: *Krauss* 86, South Africa, Natal, MO 1801947. = *Conostomium natalense* (Hochst.) Bremek. var. *natalense*.

8. *Hedyotis pentamera* Hochst. ex Sond.: Krauss 332, South Africa, Natal, MO 1801945. = *Pentodon pentandrus* (Schum. & Thonn.) Vatke var. *minor* Bremek.
9. *Hedyotis pusilla* Hochst. ex A. Rich.: Schimper 1522, 26 Nov. 1842, Ethiopia, MO 1801935. = *Oldenlandia linearis* DC.
10. *Hedyotis schimperi* Presl: Schimper 186 & 358, 25 Apr. & 5 June 1835, Egypt, MO 1801927. = *Kohautia caespitosa* Schnizl. var. *schimperi* (Presl) Bremek. (type of variety).
11. *Knoxia senegalensis* Reichenb., nomen; *Kohautia senegalensis* Cham. & Schlecht., Sieber 9, Senegal, MO 1801930.
12. *Kohautia aphylla* Bremek.: Dinter 6679, 8 Sept. 1929, South West Africa, MO 1781811.
13. *Kohautia strumosa* Hochst., nomen; *Hedyotis strumosa* A. Rich.: Kotschy 46, 22 Sept. 1839, Sudan, MO 1801931. = *K. aspera* (Heyne ex Roth) Bremek.
14. *Kohautia thymifolia* Presl a, in sched.: Drège s. n., South Africa, Natal, MO 1801939. = *K. lasiocarpa* Klotzsch var. *thymifolia* Bremek. (type of variety).
15. *Kohautia thymifolia* Presl b, in sched., Bremekamp (1952) in syn.: Drège s. n., South Africa, Cape, MO 1801940. = *K. cynanchica* DC.
16. *Kohautia thymifolia* Presl c, in sched., Bremekamp (1952) in syn.: Drège s. n., South Africa, Natal, MO 1802018. = *K. virgata* (Willd.) Bremek.
17. *Lelya osteocarpa* Bremek.: Lely P96, Jan. 1929, Nigeria, MO 1755946. = *L. prostrata* (R. Good) W. H. Lewis.
18. *Oldenlandia caffra* Eckl. & Zeyh.: Eklon 2291, South Africa, Cape, MO 1801956. = *Kohautia virgata* (Willd.) Bremek.
19. *Oldenlandia duemmeri* S. Moore: Dümmer 2642, Uganda, MO 1612608.
20. *Oldenlandia flosculosa* Hiern: Hildebrandt 1348, July 1874, Zanzibar, MO 1769965.
21. *Oldenlandia herbacea* (L.) Roxb. var. *suffruticosa* Bremek.: Galpin 14929, 23 July 1935, South Africa, Transvaal, MO 1766062 (type of variety).
22. *Oldenlandia kaessneri* S. Moore: Kaessner 957, 9 June 1902, Kenya, MO 1688276.
23. *Oldenlandia subtilis* S. Moore: Kaessner 781, Kenya, MO 1670172. = *Oldenlandia linearis* DC.
24. *Oldenlandia wiedemannii* K. Sch. var. *glabricaulis* Bremek.: Kaessner 653, 22 April 1902, Kenya, MO 1688275 (type of variety).
25. *Pentodon abyssinicus* Hochst.: Schimper 1750, Apr. 1839, Ethiopia, MO 1801946. = *P. pentandrus* (Schum. & Thonn.) Vatke var. *pentandrus*.
26. *Pentodon decumbens* Hochst.: Krauss 332, South Africa, Natal, MO 1801945. = *P. pentandrus* (Schum. & Thonn.) Vatke var. *minor* Bremek.