

**TYPE COLLECTIONS
IN THE CENTRAL
NATIONAL HERBARIUM**



Botanical Survey of India

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सत्यमेव जयते

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Anukul Datta, B.B. Pramanick and M.P. Nayar

P R E F A C E

The Central National Herbarium houses the classical collection of Wallich, Anderson, Hooker, Griffith, Wight, Clarke, King, Prain, Kurz etc. The herbarium holds about 1,25,000 specimens and there are about 10,000 *type* material of great scientific interest. Wallich collections numbering about 12,000 specimens are housed in separate almirahs for easy reference. There are large number of *type* collections which requires listing. Dr. K. Ramamurthy & Shri U.P. Samaddar have worked on the *type* collections of Forrest and Shri Anukul Dutta *et al.* have worked on the Elmer's collection at the Central National Herbarium, which are being included in the present publication.

These enumerations of *type* collections are useful for the preparation of *type* register. These lists of *types* will be computerised shortly so that ready information can be easily retrievable.

H O W R A H
12.3.1985.

M. P. NAYAR
Director
Botanical Survey of India



George Forrest V.M.H. (1873-1931)

“Types of Taxa Based on Forrest’s Collections at CAL”

K. RAMAMURTHY AND U. P. SAMADDAR

Botanical Survey of India

George Forrest’s plant collections of Eastern Tibet, Upper Burma, and Western China during the years from 1904 to 1931 ranks as one of the important herbarium collections from South Eastern Asia. Forrest collected herbarium specimens while collecting seeds and propagules of horticultural value. He was an Edinburgh man and he sent his plant material to the Royal Botanic Garden, Edinburgh. He worked in close collaboration with the botanists of the Royal Botanic Garden, Edinburgh and his collections were worked by taxonomists of eminence like Diels, J. D. Hooker, Engler, Prain, Schlechter, Rolfe, Loesner, Bonati and a host of other well known botanists. The Royal Botanic Garden, Edinburgh distributed the duplicates of Forrest herbarium to the principal herbaria of the world. At Central National Herbarium (CAL) there is fairly good representation of Forrest’s collections. The type material of Forrest’s collections as available in CAL is catalogued here for the benefit of taxonomists working on Eastern Himalayan and South East Asian flora.*

The adventure of George Forrest in search of plants and plant materials was admirably summarised by Patrick M. Syngé (J. Roy. Hort. Soc. 78 : 448-457. 1953). “When Forrest first went out in 1904, Yunnan was no peaceful country and his first expedition brought him adventures which he was lucky to survive being caught up in trouble between the Tibetans and Chinese and having to flee from the pursuing Tibetans for ten days without shelter and practically without food after his companions had been killed.” Forrest’s collections of Rhododendrons, Primulas, Gentians and Camellias, Liliium etc. and their introduction to the Gardens of Western world are important landmarks in the history of gardening and plant introduction.

Acer forrestii Diels (Aceraceae). Notes R. bot. Gdn. Edinb. 5 : 165. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m, May 1906, G. Forrest 2106. (Isotype, CAL).

*The Present catalogue consists of 255 type materials of which 173 specimens are Found to be Isotypes and the rest 82 are Isosyntypes.

A. salweenense W.W. Sm. (Aceraceae). Notes R. bot. Gdn. Edinb. 13 : 151. 1921. West China : Yunnan, Eastern flank of the N'Maikha-Salwen divide, in thickets, alt. 2432 m, May 1919, *G. Forrest* 17839. (Isosyntype, CAL).

Aconitum brachypodum Diels (Aceraceae). Notes R. bot. Gdn. Edinb. 5 : 268. 1912. China : N. W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, Sept. 1906, *G. Forrest* 3044. (Isotype, CAL).

A. jucundum Diels (Ranunculaceae). Notes R. bot. Gdn. Edinb. 5 : 266. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3344 m, August 1906, *G. Forrest* 4369 (Isotype, CAL).

A. transectum Diels (Ranunculaceae). Notes R. bot. Gdn. Edinb. 5 : 268. 1912. China : N. W. Yunnan, eastern flank of the Lichiang Range, alt. 3344—3648 m, August-September 1906, *G. Forrest* 2868. (Isotype, CAL).

Adenophora bulleyana Diels (Campanulaceae). Notes R. bot. Gdn. Edinb. 5 : 175. 1912. China : N. W. Yunnan, on low hills forming eastern boundary of the Lichiang valley, alt. 2736 m—3040 m, August 1906, *G. Forrest* 2653. (Isotype, CAL).

A. coelestis Diels (Campanulaceae). Notes R. bot. Gdn. Edinb. 5 : 173. 1912. China : N. W. Yunnan, on the eastern flank of the Lichiang range, alt. 3192 m—3344 m, August. 1906, *G. Forrest* 2810. (Isosyntype, CAL).

Agaptes bulleyana Diels (Vacciniaceae). Notes R. bot. Gdn. Edinb. 5 : 294. 1912. China : N. W. Yunnan, in the Ku-Tan-Ho valley, Salwen-Irrawadi divide, alt. 2128 m—2736 m, December 1905, *G. Forrest* 1069. (Isotype, CAL).

Aiuga campylantha Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 243. 1912. China : On the northern end of the Lichiang plain, alt. 2584 m, August 1906, *G. Forrest* 2700. (Isotype, CAL).

A. lupulina Maxim. var. **major** Diels (Labiatae). Notes R. bot. Gdn. Edinb. 4 : 243. 1912. China : N. W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040—3344 m, June 1906, *G. Forrest* 2448. (Isotype, CAL).

Alangium shweliense W. W. Sm. (Cornaceae). Notes R. bot. Gdn. Edinb. 13 : 152. 1921. West China : Yunnan, Shweli-Salween divide, in mixed thickets and forests, alt. 2432 m—2736 m, August 1919, *G. Forrest* 18309 (Isosyntype, CAL).

Allium bulleyanum Diels (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 301. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2636 m—3040 m, September 1906, *G. Forrest* 5079. (Isosyntype, CAL) ; Ibid., alt. 2432 m—3040 m, August 1906, *G. Forrest* 5080. (Isosyntype, CAL).

A. forrestli Diels. (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 302. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 3038. (Isotype, CAL).

A. polyastrum Diels var. **platyphyllum** Diels (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 300. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, September 1906, *G. Forrest* 2994 (Isotype, CAL).

A. yunnanense Diels (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 301. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m, July-August 1906, *G. Forrest* 2871. (Isosyntype, CAL) ; Ibid, alt. 3344 m—3648 m, September 1906, *G. Forrest* 3049. (Isosyntype, CAL) ; W. Yunnan, eastern flank of the Tali Range, alt. 2432-2736 m, June 1906, *G. Forrest* 4833 (Isosyntype, CAL).

Anaphalis chlamydophylla Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 188. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3648 m, June 1906, *G. Forrest* 2354 (Isosyntype, CAL).

A. franchetiana Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 189. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3648 m—3852 m, Sept. 1906, *G. Forrest* 2996. (Isosyntype, CAL).

Aneilema stenothyrsa Diels (Commelinaceae). Notes R. bot. Gdn. Edinb. 5 : 297. 1912. China : W. Yunnan, along the base of the eastern flank of the Tali Range, alt. 2036 m—2432 m, June-July 1906, *G. Forrest* 4847. (Isotype, CAL).

Anemone trullifolia Hook. f. et Thoms. var. **holophylla** Diels (Ranunculaceae). Notes R. bot. Gdn. Edinb. 5 : 263. 1912. W. China : Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, May 1906, *G. Forrest* 2166. (Isosyntype, CAL) ; China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3192 m—3344 m, June 1906, *G. Forrest* 2226. (Isosyntype, CAL).

Angelica ? rivulorum Diels. (Umbelliferae). Notes R. bot. Gdn. Edinb. 5 : 288. 1912. China : N.W. Yunnan, on the eastern flank of the

Lichiang Range, alt. 3344 m—3648 m, August 1906, *G. Forrest* 2849. (Isotype, CAL).

Arabis alpina Linn. var. ***purpurea*** W.W. Sm. (Cruciferae). Notes R. bot. Gdn. Edinb. 11 : 195. 1919. China : Yunnan, on the Bei-ma Gham. alt. 3648 m, June 1917, *G. Forrest* 13977. (Isotype, CAL).

Arenaria euodonta W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 11 : 195. 1920. S.E. Tibet : on Doker-La, Makang-Salween divide, alt. 3648 m, August 1917, *G. Forrest* 14640. (Isosytype, CAL).

A. forrestii Diels (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 5 : 181. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, Sept. 1906, *G. Forrest* 2915 (Isotype, CAL).

A. inornata W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 11 : 196. 1920. China : N.W. Yunnan, on the Mekong-Salween divide, alt. 3648 m, July 1917, *G. Forrest* 14444. (Isotype, CAL).

A. ionandra Diels. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 5 : 182. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, Sept. 1906, *G. Forrest* 2902A. Isosytype, CAL).

A. longistyla Franch. var. ***pleurogynoides*** Diels. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 5 : 182. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3648 m, September 1906, *G. Forrest* 2902 (Isotype, CAL).

A. salweenensis W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 12 : 194. 1920. West China : Yunnan, N'Maikha-Salween divide, alt. 3040 m, August 1919, *G. Forrest* 18474. (Isotype, CAL).

Aster harrowianus Diels. var. ***glabratus*** Diels. (Compositae). Notes R. bot. Gard. Edinb. 5 : 184. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2888 m—3344 m, July 1906, *G. Forrest* 2508. (Isotype, CAL).

Astragalus coelestis Diels. (Leguminosae). Notes R. bot. Gdn. Edinb. 5 : 244. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3344 m, May 1906, *G. Forrest* 2221. (Isotype, CAL).

A. dolichochaete Diels. (Leguminosae). Notes R. bot. Gdn. Edinb. 5 : 245. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 1736 m—3344 m, July 1906, *G. Forrest* 2608. (Isotype, CAL).

A. pullus N.D. Simpson (Leguminosae). Notes R. bot. Gdn.

Edinb. 8 : 125. 1913. China : N.W. Yunnan, On the eastern flank of the Lichiang Range, alt. 3040 m—3192 m, June 1906, *G. Forrest* 2379. (Isotype, CAL).

Begonia harrowiana Diels. (Begoniaceae). Notes. R. bot. Gdn. Edinb. 5 : 166. 1912. China : N.W. Yunnan, at the base of the eastern flank of the Lichiang Range, alt. 2584 m—2736 m, July 1906, *G. Forrest* 2647. (Isosytype, CAL) ; on the eastern flank of the Lichiang Range, alt. 2888 m—3192 m, Sept. 1906, *G. Forrest* 3055. (Isosytype, CAL) ; W. Yunnan, in the Tali valley, alt. 2036 m, June-July 1906, *G. Forrest* 4388. (Isosytype, CAL) ; W. Yunnan, on the eastern flank of the Tali Range, alt. 2128 m—2432 m, August 1906, *G. Forrest* 4389. (Isosytype, CAL).

Berberis centiflora Diels (Berberidaceae). Notes R. bot. Gdn. Edinb. 5 : 167. 1912. China : W. Yunnan, on the eastern flank, of the Tali Range, alt. 2736 m—3344 m, June-August 1906, *G. Forrest* 4689. (Isotype, CAL).

B. replicata W.W. Sm. (Berberidaceae). Notes R. bot. Gdn. Edinb. 11 : 200. 1920. China : Yunnan Shweli -Salween divide, alt. 3344 m, October 1917, *G. Forrest* 16030. (Isosytype, CAL).

Brya heterophylla W.W. Sm. (Cruciferae). Notes R. bot. Gdn. Edinb. 11 : 201. 1920. China : Yunnan on the Bei-ma Shan, alt. 4256 m, July 1917, *G. Forrest* 14385 (Isotype, CAL).

Buddleia forrestii Diels (Loganiaceae). Notes R. bot. Gdn. Edinb. 5 : 249. 1912. China : W. Yunnan on the eastern flank of the Tali Range, alt. 2432 m—3040 m, July 1906, *G. Forrest* 4666. (Isosytype, CAL).

Bulleyia yunnanensis Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 108. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432-2736 m, July-August 1906, *G. Forrest* 4879. (Isotype, CAL).

Calamintha chinensis Benth. var. ***megalantha*** Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 233. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m, June 1906, *G. Forrest* 2476. (Isotype, CAL).

C. discolor Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 232. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2736 m—3040 m, June-July 1906, *G. Forrest* 4527. (Isotype, CAL).

Caltha palustris Linn. var. ***umbrosa*** Diels (Ranunculaceae). Notes R. bot. Gdn. Edinb. 5 : 264. 1912. China : N.W. Yunnan, eastern flank

of the Lichiang Range, alt. 3344 m, June 1906, *G. Forrest* 2479. (Isotype, CAL).

Carum coloratum Diels. (Umbelliferae). Notes R. bot. Gdn. Edinb. 5 : 287. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3648 m—3952 m, August. 1906, *G. Forrest* 2874. (Isosyntype, CAL) ; Ibid, alt. 3344 m—3648 m, September. 1906 ; *G. Forrest* 3060. (Isosyntype, CAL).

C. dolichopodum Diels (Umbelliferae). Notes R. bot. Gdn. Edinb. 5 : 287. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August. 1906. *G. Forrest* 2872. (Isotype, CAL).

C. pityophilum Diels (Umbelliferae). Notes R. bot. Gdn. Edinb 5 : 288. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, October. 1906, *G. Forrest* 3078 (Isotype, CAL).

Ceropegia balfouriana Schltr. (Asclepiadaceae). Notes R. bot. Gdn. Edinb. 8 : 18. 1913. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2888 m, May 1906, *G. Forrest* 2204. (Isotype, CAL).

C. dolichophylla Schltr. (Asclepiadaceae). Notes R. bot. Gdn. Edinb. 8 : 17. 1913. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432 m—2736 m, July-August 1906, *G. Forrest* 4738. (Isotype, CAL).

Chlorophytum platystemon Diels (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 299. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, July 1906, *G. Forrest* 2698. (Isotype, CAL).

Cnicus forrestii Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 196. 1912. China : N.W. Yunnan, on the plain at the north end of the Lichiang valley, alt. 3040 m, June 1906, *G. Forrest* 2373. (Isotype, CAL).

Codonopsis bulleyana Forrest ex Diels (Campanulaceae). Notes R. bot. Gdn. Edinb. 5 : 171. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, July 1906, *G. Forrest* 2731. (Isotype, CAL).

C. forrestii Diels (Campanulaceae). Notes R. bot. Gdn. Edinb. 5 : 171. 1912. China : Yunnan, on the banks of the Yangtse, alt. 1520 m—2128 m, September. 1904, *G. Forrest* 48. (Isotype, CAL).

C. meleagris Diels. (Campanulaceae). Notes R. bot. Gdn. Edinb. 5 : 172. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August. 1906, *G. Forrest* 2674. (Isotype, CAL).

C. rosulata W.w. Sm. (Campanulaceae). Notes R. bot. Gdn. Edinb. 13 : 157. 1921. West China : S.W. Szechwan, Muli Mountains, amongst heavy grass, alt. 3344 m, August 1918, *G. Forrest* 16856. (Isotype, CAL).

Corydalis bulleyana Diels (Papaveraceae). Notes R. bot. Gdn. Edinb. 5 : 256. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3000 m—3343 m, June 1906, *G. Forrest* 2249. (Isotype, CAL).

C. heterocentra Diels. (Papaveraceae). Notes R. bot. Gdn. Edinb. 5 : 255. 1912. China : W. Yunnan, on the eastern flank of the Tali range, alt. 2736 m—3344 m, August 1906, *G. Forrest* 4382. (Isotype, CAL).

C. homopetala Diels. (Papaveraceae). Notes R. bot. Gdn. Edinb. 5 : 254. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3040—3344 m, July 1906 *G. Forrest* 4379. (Isotype, CAL).

Corylopsis yunnanensis Diels. (Hamamelidaceae). Notes R. bot. Gdn. Edinb. 5 : 226. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3304 m, September 1906, *G. Forrest* 3098. (Isosytype, CAL).

Cotoneaster hebephylla Diels. (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 273. 1912. China : N.W. Yunnan, North end of the Lichiang valley, alt. 2584 m—2736 m, May 1906, *G. Forrest* 2110. (Isosytype, CAL).

Crawfurdia trailliana G. Forrest (Gentianaceae). Notes R. bot. Gdn. Edinb. 4(17) : 76. 1907. China : N.W. Yunnan, side valleys of the Salwen, Salwen Irrawaddi divide, from Shah Pai Lei Ti north to Me Ko Ti, alt. 1520 m—2128 m, November 1905, *G. Forrest* 963. (Isotype, CAL).

Cremanthodium rhocephalum Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 190. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3641 m, August 1906, *G. Forrest* 2665. (Isotype, CAL).

Crepis rigescens Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 202. 1912. China : N.W. Yunnan, on plain at north end of the Lichiang valley, alt. 2736 m, May 1906, *G. Forrest* 2192 (Isosytype, CAL).

C. rosularis Diels. (Compositae). Notes R. bot. Gdn. Edinb. 5 : 201. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang range alt. 3344 m—3648 m, July 1906, *G. Forrest* 2776. (Isotype, CAL).

Cynanchum forrestii Schltr. (Asclepiadaceae). Notes R. bot. Gdn. Edinb. 8 : 15. 1913. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, May 1906, *G. Forrest* 2241.

(Isosyntype, CAL) ; W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3192 m, July 1906, *G. Forrest* 4662. (Isosyntype, CAL).

C. formosus Diels (Campanulaceae). Notes R. bot. Gdn. Edinb. 5 : 172. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August 1906. *G. Forrest* 2726. (Isotype, CAL).

Cynoglossum dunnianum Diels (Boraginaceae). Notes R. bot. Gdn. Edinb. 5 : 168. 1912. China : N.W. Yunnan, South end of the Lang Kong valley near Kai hi dsi, alt. 2250 m, April 1906, *G. Forrest* 2004. (Isosyntype, CAL) ; W. Yunnan, eastern flank of the Tali Range, alt. 2128 m—2432 m, April June 1906, *G. Forrest* 4476. (Isosyntype, CAL).

C. triste Diels (Boraginaceae). Notes R. bot. Gdn. Edinb. 5 : 169. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3340 m, June 1906, *G. Forrest* 2235. (Isotype, CAL).

Daphne aurantiaca Diels (Thymelaceae). Notes R. bot. Gdn. Edinb. 5 : 285. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 3040 m—3648 m. May 1906, *G. Forrest* 2115. (Isotype, CAL).

Delphinium forrestii Diels (Ranunculaceae). Notes R. bot. Gdn. Edinb. 5 : 265. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3468 m—3952 m, September 1906, *G. Forrest* 3030. (Isotype, CAL).

Diapensia bulleyana Forrest ex Diels. (Diapensiaceae). Notes R. bot. Gdn. Edinb. 5 : 207. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 3344 m—3648 m, September 1906. *G. Forrest* 1853. (Isotype, CAL).

Didissandra amabilis Diels (Gesneraceae). Notes R. bot. Gdn. Edinb. 5 : 224. 1912. China : N.W. Yunnan on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, August 1906, *G. Forrest* 2689. (Isosyntype, CAL) ; W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3040 m, July August 1906, *G. Forrest* 4385. (Isosyntype, CAL).

Draba lichiangensis W.W. Sm. (Cruciferae). Notes R. bot. Gdn. Edinb. 11 : 208. 1920. China : Mekong Salween divide, alt. 3952 m, July 1917, *G. Forrest* 14282. (Isosyntype, CAL).

Dracocephalum bullatum Forrest ex Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 238. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m August 1906, *G. Forrest* 2730. (Isotype, CAL).

Epilobium forrestii Diels (Onagraceae). Notes R. bot. Gdn. Edinb. 5 : 254. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2432 m—3040 m, July August 1906, *G. Forrest* 4460. (Isotype, CAL).

Erigeron patentisquama J.F. Jeffrey ex Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 185. 1912. China : Yunnan, on the summit of Kari pass, Yangtse-Mekong divide, between Shih Pa and Yeh Chih, alt. 4256 m, September. 1904, *G. Forrest* 43. (Isotype, CAL).

Euonymus cornutoides Loes. (Celastraceae). Notes R. bot. Gdn. Edinb. 8 : 2. 1913. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, October 1906, *G. Forrest* 3094. (Isotype, CAL).

E. hystrix W.W. Sm. (Celastraceae). Notes R. bot. Gdn. Edinb. 13 : 160. 1921. W. China : Yunnan, western flank of the Shweli-Salween divide, alt. 2736 m, May 1919, *G. Forrest* 17907. (Isosytype, CAL); Same in fruit, September 1919, *G. Forrest* 18499. (Isosytype, CAL).

E. porphyrea Loes. (Celastraceae). Notes R. bot. Gdn. Edinb. 8 : 2. 1913. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m, May 1906, *G. Forrest* 2240. (Isotype, CAL).

Euphorbia bulleyana Diels (Euphorbiaceae). Notes R. bot. Gdn. Edinb. 5 : 219. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, May 1906, *G. Forrest* 2231. (Isotype, CAL).

E. bupleuroides Diels. (Euphorbiaceae). Notes R. bot. Gdn. Edinb. 5 : 218. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2432 m—2736 m, June-August 1906, *G. Forrest* 4596. (Isosytype, CAL).

E. megistopoda Diels. (Euphorbiaceae). Notes R. bot. Gdn. Edinb. 5 : 218. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m, June 1906, *G. Forrest* 2237. (Isotype, CAL).

Galium aberrans W.W. Sm. (Rubiaceae). Notes R. bot. Gdn. Edinb. 13 : 161. 1921. West China : Mountains east of Chungtien, in open alpine pasture, alt. 4256 m, June 1917, *G. Forrest* 15084. (Isosytype, CAL).

G. nephrostigmaticum Diels (Rubiaceae). Notes R. bot. Gdn. Edinb. 5 : 279. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432 m—3040 m, June-August 1906, *G. Forrest* 4638. (Isotype, CAL).

Garuga forrestii W.W. Sm. (Burseraceae). Notes R. bot. Gdn. Edinb. 13 : 162. 1921. West China : Yunnan, Descent to the Yangtze from the eastern boundary of the Lichiang valley, alt. 2128 m—2432 m, July 1918, *G. Forrest* 16629. (Isosytype, CAL).

Gaultheria forrestii Diels. (Ericaceae). Notes R. bot. Gdn. Edinb. 5 : 210. 1912. China : W. Yunnan, eastern flank of the Tali range, alt. 3040 m—3344 m, August. 1906, *G. Forrest* 4183. (Isotype, CAL).

Gentiana asterocalyx Diels. (Gentianaceae). Notes R. bot. Gdn. Edinb. 5 : 220. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m, June 1906, *G. Forrest* 2415. (Isotype, CAL).

G. decorata Diels. (Gentianaceae). Notes R. bot. Gdn. Edinb. 5 : 220. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3952 m—4256 m, September. 1906, *G. Forrest* 3021. (Isosyn-type, CAL) ; W. Yunnan, on the eastern flank of the Tali Range, alt. 3040 m—3344 m. September. 1906, *G. Forrest* 3827. (Isosyn-type, CAL).

G. georgei Diels (Gentianaceae). Notes R. bot. Gdn. Edinb. 5 : 221. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, October 1906, *G. Forrest* 3110. (Isotype, CAL).

G. leptoclada Balf. f. et Forrest (Gentianaceae). Notes R. bot. Gdn. Edinb. 4 : 71. 1907. China : Yunnan, Valley of the Yangtse above Shiti Ko, alt. 2128 m—2736 m, October 1904, *G. Forrest* 409. (Isotype, CAL).

Habenaria diceras Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 101. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, October 1906, *G. Forrest* 3074. (Isotype, CAL).

H. diplomema Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 100. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August 1906, *G. Forrest* 2812. (Isotype, CAL).

H. forrestii Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 101. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 2875. (Isotype, CAL).

Hemigraphis drymophila Diels (Acanthaceae). Notes R. bot. Gdn. Edinb. 5 : 161. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 2584 m—3040 m, August 1906, *G. Forrest* 2774. (Isotype, CAL).

Herminium forrestii Schltr. (Orchidaceae), Notes R. bot. Gdn. Edinb. 5 : 96. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range; alt. 3344 m, —3648 m, July 1906, *G. Forrest* 2590. (Isotype, CAL).

H. ophioglossoides Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 96. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, June 1906, *G. Forrest* 2466. (Isotype, CAL).

Impatiens forrestii Hook. f. & W.W. Sm. (Geraniaceae). Notes R. bot. Gdn. Edinb. 8 : 339. 1915. China : W. Yunnan, on the eastern flank

of the Tali Range, alt. 2736 m—3040 m, July 1906, *G. Forrest* 4275. (Isosyntype, CAL).

Indigofera dielsiana Craib. (Leguminosae), Notes R. bot. Gdn. Edinb. 8 : 51. 1913. China : W. Yunnan, along the base of the eastern flank of the Tali Range, alt. 2128 m—2432 m, June 1906, *G. Forrest* 4251. (Isosyntype, CAL).

I. leptosepala Diels. (Leguminosae). Notes R. bot. Gdn. Edinb. 5 : 245. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, July 1906, *G. Forrest* 2651. (Isotype, CAL).

I. rigioclada Craib. (Leguminosae). Notes R. bot. Gdn. Edinb. 8 : 60. 1913. China ; W. Yunnan, on the eastern flank of the Tali range, alt. 2432 m—2736 m, *G. Forrest* 4235. (Isosyntype, CAL).

Incarvillea altissima G. Forrest (Bignoniaceae). Notes R. bot. Gdn. Edinb. 13 : 164. 1921. West China : Yunnan, Yung Peh mountains, alt. 2736 m, July 1918, *G. Forrest* 16651. (Isosyntype, CAL).

Jasminum bessianum Forrest et Diels (Oleaceae). Notes R. bot. Gdn. Edinb. 5 : 253. 1912. China : At the south end of the Sungkwei valley, alt. 2432 m—2736 m, April 1906, *G. Forrest* 2021. (Isotype, CAL).

Leptodermis forrestii Diels (Rubiaceae). Notes R. bot. Gdn. Edinb. 5 : 274. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2888 m—3040 m, June 1906, *G. Forrest* 2382. (Isosyntype, CAL).

Lespedeza forrestii Schindler (Leguminosae). Notes R. bot. Gdn. Edinb. 8 : 12. 1913. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, June 1906, *G. Forrest* 2416. (Isotype, CAL).

Ligusticum modestum Diels (Umbelliferae). Notes R. bot. Gdn. Edinb. 5 : 289. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, August. 1906, *G. Forrest* 2856. (Isotype, CAL).

Ligustrum ionandrum Diels (Oleaceae). Notes R. bot. Gdn. Edinb. 5 : 252. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 2736 m—3040 m, May 1906, *G. Forrest* 2196. (Isotype, CAL).

Lindera kariensis W.W. Sm. (Laurineae). Notes R. bot. Gdn. Edinb. 13 : 165. 1921. West China : Yunnan, on the Li-ti-ping, alt. 3040 m, June 1917, *G. Forrest* 13950. (Isosyntype, CAL) ; S.E. Tibet : Tsarong, on the

Ka-gwr-pw, Mekong-Salween divide, alt. 2736 m—3040 m, June 1918, *G. Forrest* 16563. (Isosytype, CAL).

L. strychnifolia Villar. var. **velutina** G. Forrest (Laurineae). Notes R. bot. Gdn. Edinb. 13 : 166. 1921. West China : Yunnan, Shweli-Salween divide, alt. 2128 m, July 1918, *G. Forrest* 17658 (Isosytype, CAL).

Linnaea brachystemon Diels (Caprifoliaceae). Notes R. bot. Gdn. Edinb. 5 : 178. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 2736 m, May 1906, *G. Forrest* 2155. (Isotype, CAL).

Lloydia forrestii Diels. (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 303. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 3040 m—3344 m, August-Sept. 1906, *G. Forrest* 1892. (Isotype, CAL).

Lonicera tomentella Hook. f. et Thoms. var. **tsarongensis** W.W. Sm. (Caprifoliaceae). Notes R. bot. Gdn. Edinb. 13 : 168. 1921 S.E. Tibet : Tsarong, Salween-Kiu-Chang divide, July 1919, *G. Forrest* 18864. (Isotype, CAL).

L. xerocalyx Diels (Caprifoliaceae). Notes R. bot. Gdn. Edinb. 5 : 177. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3192 m, June 1906, *G. Forrest* 2386. (Isotype, CAL).

Loranthus balfourianus Diels (Loranthaceae). Notes R. bot. Gdn. Edinb. 5 : 250. 1912. China ; N.W. Yunnan, eastern flank of the Lichiang Range, alt. 2736 m, May 1906, *G. Forrest* 2215. (Isosytype, CAL).

L. caloreas Diels (Loranthaceae). Notes R. bot. Gdn. Edinb. 5 : 251. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 2736 m—3344 m, July 1906, *G. Forrest* 2600. (Isotype, CAL).

Lysimachia lichiangensis G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 (19) : 237. 1908. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, June 1906, *G. Forrest* 2352. (Isotype, CAL).

Microstylis yunnanensis Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 109. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, July 1906, *G. Forrest* 2627. (Isotype, CAL).

Morina chlorantha Diels (Dipsacaceae). Notes R. bot. Gdn. Edinb. 5 : 208. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, June 1906, *G. Forrest* 2482. (Isotype, CAL).

Mucuna montana Diels (Leguminosae). Notes R. bot. Gdn. Edinb. 5 : 247. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 2736 m—3040 m, July 1906, *G. Forrest* 2697. (Isotype, CAL).

Neottia grandiflora Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 104. 1912. China : N.W. Yunnan, on the eastern slope of the Lichiang Range, alt. 3040 m—3192 m, August 1906, *G. Forrest* 2652. (Isotype, CAL).

Nepeta stewartiana Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 237. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 2960. (Isosyntype, CAL).

N. tenuiflora Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 238. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2888 m—3344 m, August 1906, *G. Forrest* 2657. (Isotype, CAL).

Omphalodes forrestii Diels (Boraginaceae). Notes R. bot. Gdn. Edinb. 5 : 169. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m, August 1906, *G. Forrest* 2669. (Isotype, CAL).

Orchis tetraloba (Finet) Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 95. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432 m—2736 m, May-June 1906, *G. Forrest* 4862. (Isosyntype, CAL).

Oxalis leucolepis Diels (Geraniaceae). Notes R. bot. Gdn. Edinb. 5 : 223. 1912. China : on the eastern flank of the Tali Valley, alt. 2736 m—3040 m, July August 1906, *G. Forrest* 4287. (Isotype, CAL),

Paracaryum brachytubum Diels (Boraginaceae). Notes R. bot. Gdn. Edinb. 5 : 168. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3344 m, July August 1906, *G. Forrest* 4474. (Isotype, CAL).

Parnassia mysorensis Heyne var. **acuta** Diels (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 281. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3040m—3344 m, August. 1906, *G. Forrest* 5042. (Isotype, CAL).

Parrya linearifolia W.W. Sm. (Cruciferae). Notes R. Bot. Gdn. Edinb. 11 : 219. 1919. China : Yunnan, on open stony hillsides on the Bei ma Shan, alt. 4256 m, June 1917, *G. Forrest* 13980 (Isosyntype, CAL) ; on the Bei ma Shan, July 1917, *G. Forrest* 14435. (Isosyntype, CAL).

P. xerophyta W.W. Sm. (Cruciferae). Notes R. bot. Gdn. Edinb. 12 : 217. 1920. West China : Yunnan, mountains N.E. of Chungtien, alt. 4256 m, July 1918, *G. Forrest* 16444. (Isotype, CAL).

Pedicularis forrestiana Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 86. 1911. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August. 1906, *G. Forrest* 2703. (Isotype, CAL).

P. galeata Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 13 : 130. 1921. West China : Yunnan, Mekong-Salween divide, on open, stony pasture on ledges of cliffs, alt. 4256 m, August 1917, *G. Forrest* 14697. (Isotype, CAL).

P. lucifuga Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 13 : 112. 1921. S.E. Tibet : On Ka-gwr-pw, Mekong Salween divide, alt. 3040 m, July 1917, *G. Forrest* 14200 (Isotype, CAL).

P. margaritae Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 81. 1911. Chiug : W. Yunnan, eastern flank of the Tali Range, alt. 2736 m—3040 m, June-July 1906, *G. Forrest* 4504. (Isotype, CAL).

P. polyphylla Franch ex Maxim var. **pilosa** Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 80. 1911. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, July 1906, *G. Forrest* 2640. (Isotype, CAL).

P. recurva Maxim. var. **polyantha** Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 88. 1911. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August 1906, *G. Forrest* 2667. (Isotype, CAL).

P. smithiana Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 83. 1911. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3192 m—3496 m, August 1906, *G. Forrest* 2860. (Isotype, CAL).

P. stadlmanniana Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 87. 1911. China : W. Yunnan, eastern flank of the Tali Range, alt. 2432 m—3040 m, July 1906. *G. Forrest* 4488. (Isotype, CAL).

P. strobilacea Franch. var. **riparia** Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 13 : 117. 1921. West China : Yunnan, Mekong-Salween divide, alt. 3952 m, July, *G. Forrest* 14581. (Isosytype, CAL).

P. taliensis Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 87. 1911. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3344 m, July August 1906, *G. Forrest* 4500. (Isotype, CAL).

P. tribuloides Bonati (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 13 : 111. 1921. West China : Salween valley, margins of Thickets, by Streams, alt. 3040 m, June 1917, *G. Forrest* 16207. (Isotype, CAL).

Periploca forrestii Schltr. (Asclepiadaceae). Notes R. bot. Gdn. Edinb. 8 : 15. 1913. China : Yunnan, Thickets on hills west on Yunnanfu, alt. 2432 m, February 1905, *G. Forrest* 572. (Isotype, CAL).

Pertya phylicoides J.F. Jeffrey (Compositae). Notes R. bot. Gdn. Edinb. 5 : 200. 1912. China : on the descent from Chung Tien plateau to Yangtse, near Chiao Tou, alt. 3040 m, September 1904, *G. Forrest* 112. (Isotype, CAL).

Phlomis betonicoides Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 241. 1912. China : on plain at, north end of Lichiang valley, alt. 2736 m, June 1906, *G. Forrest* 2307. (Isotype, CAL).

P. franchetiana Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 242. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3344 m, August, 1906, *G. Forrest* 4558. (Isotype, CAL).

Pirola decorata H. Andres (Pirolaceae). Notes R. bot. Gdn. Edinb. 8 : 7. 1913. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, July 1906, *G. Forrest* 2519. (Isosyntype, CAL).

P. forrestiana H. Andres (Pirolaceae). Notes R. bot. Gdn. Edinb. 8 : 8. 1913. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3040 m—3344 m, July-August 1906, *G. Forrest* 4177. (Isotype, CAL).

Plectranthus adenanthus Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 228. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3040 m—3344 m, August 1906, *G. Forrest* 4557. (Isotype, CAL).

P. bulleyanus Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 229. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432—2736 m, June 1906, *G. Forrest* 4554. (Isotype, CAL).

P. forrestii Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 229. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m, August 1906, *G. Forrest* 2851. (Isotype, CAL).

P. oreophilus Diels (Labiatae), Notes R. bot. Gdn. Edinb. 5 : 227. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 3040 m—3344 m, July 1906, *G. Forrest* 2564. (Isotype, CAL).

P. phyllopodus Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 227. 1912. China : W. Yunnan, eastern flank of the Tali range, alt. 2432 m—3040 m, May June 1906, *G. Forrest* 4555. (Isosytype, CAL).

P. pleiophyllus Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 228. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 2736 m—3040 m, June 1906, *G. Forrest* 2333. (Isotype, CAL).

Pleione forrestii Schltr. (Orchidaceae). Notes R. bot. Gdn. Edinb. 5 : 106. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2736 m—3040 m, April May 1906, *G. Forrest* 4859. (Isotype, CAL).

Pleurogyne oreocharis Diels (Gentianaceae). Notes R. bot. Gdn. Edinb. 5 : 222. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 3024. (Isotype, CAL).

Polygonum cyanandrum Diels. (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 257. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, August. 1906, *G. Forrest* 2670. (Isosytype, CAL) ; Ibid. alt. 3040 m—3044 m, September 1906, *G. Forrest* 2923. (Isosytype, CAL).

P. emodi Maxim. var. **dependens** Diels (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 256. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, August. 1906, *G. Forrest* 2761. (Isotype, CAL).

P. forrestii Diels (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 258. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September. 1906, *G. Forrest* 2911. (Isosytype, CAL) ; W. Yunnan, eastern flank of the Tali Range, alt. 2736 m—3344 m, June-September 1906, *G. Forrest* 4590. (Isosytype, CAL).

P. jucundum Diels (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 257. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2036 m—2432 m, June-July 1906, *G. Forrest* 4576. (Isotype, CAL).

P. leptopodum Diels (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 260. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2128 m—2432 m, May 1906, *G. Forrest* 4570. (Isosytype, CAL).

P. oliganthum Diels (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 260. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, September 1906, *G. Forrest* 2985. (Isotype, CAL).

- P. subscaposum** Diels (Polygonaceae). Notes R. bot. Gdn. Edinb. 5 : 261. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 3648 m—3952 m, August. 1906, *G. Forrest* 4559. (Isotype, CAL).
- Primula agleniana** Balf. f. et Forrest var. **alba** Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 14 : 32. 1923. S.E. Tibet : Tsarang, Salween-Kikchiang divide, alt. 4560 m, July 1921, *G. Forrest* 20081. (Isotype, CAL).
- P. alta** Balf. fil. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 9 : 5. 1915. Yunnan, Hills N.W. of Tengyueh, alt. 1824 m—2128 m, February 1913, *G. Forrest* 9679. (Isotype, CAL).
- P. anisodora** Balf. f. et Forest (Primulaceae). Notes R. bot. Gdn. Edinb. 9 : 147. 1916. Yunnan, Mountains of the Chungtien Plateau, alt. 3344 m, July 1913, *G. Forrest* 10617. (Isosyntype, CAL).
- P. atrotubata** W.W. Sm et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 14 : 33. 1923. W. China : S.W. Szechuan, Mountains east of Yung ning, alt. 3040 m—3344 m, July 1921, *G. Forrest* 20508. (Isosyn-type, CAL).
- P. biserrata** G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 230. 1908. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3344 m—3648 m, July August 1906, *G. Forrest* 1816. (Isosyn-type, CAL) ; N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3952 m, September 1906, *G. Forrest* 2974. (Isosyn-type, CAL).
- P. bulleyana** G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 231. 1901. China : N.W. Yunna, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, June 1906, *G. Forrest* 2440. (Isotype, CAL).
- P. chrysophylla** Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 6. 1920. S.W. Szechwan, Mu li Mts, August 1914, *G. Forrest* 16594. (Isotype, CAL).
- P. coerulea** G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 221. 1908. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3344 m—3648 m, October 1906, *G. Forrest* 1814. (Isotype, CAL).
- P. compsantha** Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 9 : 13. 1915. Yunnan, Mountains in the N.E. of the Yangtze bend, alt. 3344 m, July 1913, *G. Forrest* 10567. (Isotype, CAL).
- P. cortusoides** Linn. var. **lichiangensis** G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 217. 1908. China : N.W. Yunnan, on the

eastern flank of the Lichiang Range, alt. 3040 m—3192 m, June 1906, *G. Forrest* 2275. (Isotype, CAL).

P. coryana Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 14 : 37. 1923. West China : S.W. Szechuan, Mountains N.E. of Muli, alt. 3648 m, June 1922, *G. Forrest* 21413. (Isosytype, CAL).

P. firmipes Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 10. 1920. S.E. Tibet : Tsarong, Salween-Kiu-Chiang divide, July 1919, *G. Forrest* 18899. (Isotype, CAL).

P. decurva Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 9. 1920. Eastern N.W. Yunnan, Mts. of the Chungtien plateau, June 1914, *G. Forrest* 12551. (Isotype, CAL).

P. florida Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 9 : 16. 1915. China : Yunnan, Mountains in the N.E. of the Yangtze bend, alt. 3648 m, July 1913, *G. Forrest* 10484. (Isosytype, CAL) ; Iq̄id, alt. 3648 m—3952 m, July 1913, *G. Forrest* 10486. (Isosytype, CAL) Mountains of the Chungtien plateau, alt. 3648 m, August 1913, *G. Forrest* 10774. (Isosytype, CAL).

P. forrestii Balf. f. (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 228. 1908. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m, May 1906, *G. Forrest* 2117. (Isotype, CAL).

P. gratissima G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 219. 1908. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3344 m—3648 m, July August 1906, *G. Forrest* 1808 (Isosytype, CAL).

P. humicola Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 10. 1920. S.E. Tibet : Tsarong, Ka gwr pw, July 1917, *G. Forrest* 14236. (Isotype, CAL).

P. junior Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 11. 1920. Yunnan, *G. Forrest* 14228. (Isotype, CAL).

P. littoniana G. Forrest (Primulaceae), Notes R. bot. Gdn. Edinb. 4 : 225. 1908. China : N.W. Yunnan, open mountain meadows on the range forming the eastern boundary of the Lichiang valley, alt. 3040 m—3344 m, August 1906, *G. Forrest* 2655. (Isotype, CAL).

P. longituba G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 226. 1908. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3040 m—3344 m, August - September 1906, *G. Forrest* 1809. (Isotype, CAL).

P. maikhaensis Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 13. 1920. China : N.W. Yunnan, N'Maikha Salween divide, June 1919, *G. Forrest* 18094. (Isotype, CAL).

P. pauliana W.W. Sm et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 14 : 51. 1923. West China : S.W. Szechwan, in the mountains S.E. of Yung ning, alt. 3344 m—3648 m, August 1922, *G. Forrest* 22073. (Isosytype, CAL).

P. petraea Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 16. 1920. China : N.W. Yunnan, Bei-ma-shan, June 1917, *G. Forrest* 13940. (Isotype, CAL).

P. rigida Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 13 : 17. 1920. S.W. Szechwan ; Mu-Li-mountains valley of the Litang, alt. 3344 m, July 1918, *G. Forrest* 16280. (Isotype, CAL).

P. sinomollis Balf. f. et Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 9 : 44. 1915. Yunnan, Hills to the east of Tengyueh, alt. 1824 m, May 1912, *G. Forrest* 7569. (Isosytype, CAL) ; Yunnan, Shweli-Salween divide, Salween valley, alt. 2128 m—2432 m, May 1913, *G. Forrest* 9807. (Isosytype, CAL).

P. taliensis G. Forrest (Primulaceae). Notes R. bot. Gdn. Edinb. 4 : 220. 1908. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3040 m—3344 m, September 1906, *G. Forrest* 1805. (Isotype, CAL).

P. wardii Balf. fil. (Primulaceae). Notes R. bot. Gdn. Edinb. 9 : 58. 1915. Yunnan, mountains in the N.E. of the Yangtze bend, alt. 3648 m, July 1913, *G. Forrest* 10344. (Isosytype, CAL).

Pueraria forrestii W.E. Evans (Leguminosae). Notes R. bot. Gdn. Edinb. 13 : 178. 1921. West China : Yunnan, yung-peh mountains, alt. 2432 m, August 1919, *G. Forrest* 15312. (Isosytype, CAL).

Rhododendron adenogynum Diels (Ericaceae). Notes R. bot. Gdn. Edinb. 5 : 216. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, June 1906, *G. Forrest* 2395. (Isotype, CAL).

R. anthosphaerum Diels (Ericaceae). Notes R. bot. Gdn. Edinb. 5 : 215. 1912. China : N.W. Yunnan, on the ascent of the Sung Kwei pass from the Lang Kung valley, alt. 3040 m—3344 m, April 1906, *G. Forrest* 2042. (Isotype, CAL).

R. balfourianum Diels (Ericaceae). Notes R. bot. Gdn. Edinb. 5 : 214. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3344 m—3648 m, August September, 1906, *G. Forrest* 4131. (Isosyn-

type, CAL) ; Ibid., alt. 3344 m—3648 m, July 1906, *G. Forrest* 4166. (Isosyntype, CAL).

R. bessianum Diels (Ericaceae). Notes R. bot. Gdn. Edinb. 5 : 214. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, May, 1906, *G. Forrest* 2323. (Isotype, CAL).

R. dichroanthum Diels (Ericaceae). Notes R. bot. Gdn. Edinb. 5 : 212. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 3344 m, July August 1906, *G. Forrest* 4142. (Isosyntype, CAL). Ibid, alt. 3040 m—3344 m, July August 1906, *G. Forrest* 4165. (Isosyntype, CAL).

R. oreotrepes W.W. sm. (Ericaceae). Notes R. bot. Gdn. Edinb. 8 : 201. 1914. China : On the western flank of the Lichiang Range, alt. 3344 m—3648 m, June 1910, *G. Forrest* 5873. (Isotype, CAL)

Rosa forrestii Focke (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 67. 1911. China : W. Yunnan, eastern flank of the Tali Range, alt. 2128 m—2432 m, June 1906, *G. Forrest* 4450. (Isotype. CAL).

Rubia podantha Diels. (Rubiaceae). Notes R. bot. Gdn. Edinb. 5 : 277. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3192 m, August 1906, *G. Forrest* 2753. (Isosyntype, CAL).

Rubus alexeterius Focke (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 75. 1911. China : N.W. Yunnan, on eastern flank of the Lichiang Range, alt. 3344 m, June 1906, *G. Forrest* 2452. (Isotype, CAL).

R. stimulans Focke (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 74. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432 m—3040 m, June-July 1906, *G. Forrest* 4398. (Isotype, CAL).

R. subornatus Focke (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 77. 1911. China : On the eastern flank of the Lichiang Range, alt. 2736 m—3192 m, June 1906, *G. Forrest* 2302. (Isosyntype, CAL) ; on the eastern flank of the Tali Range, alt. 2736 m—3344 m, August 1906, *G. Forrest* 4402. (Isosyntype, CAL).

R. trijugus Focke (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 74. 1911. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3040 m, June 1906, *G. Forrest* 2303. (Isotype, CAL).

Sabia angustifolia Chen (Sabiaceae). *Sargentia* 3 : 31. 1943. China : Yunnan, Chim-Chuan-Mekong divide, alt. 9000 m, July 1922, *G. Forrest* 21472. (Isotype, CAL).

Salix cathayana Diels (Salicaceae). Notes R. bot. Gdn. Edinb. 5 : 281. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2432 m—2736 m, June 1906, *G. Forrest* 4600. (Isotype, CAL).

S. resecta Diels (Salicaceae). Notes R. bot. Gdn. Edinb. 5 : 281. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m, July 1906, *G. Forrest* 4602. (Isotype, CAL).

Salvia bulleyana Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 233. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2128 m—2432 m, June 1906, *G. Forrest* 4546. (Isotype, CAL).

S. digitaloides Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 234. 1912. China, W. Yunnan, at the base of the Sung Kwei valley, alt. 2432 m—2736 m, April 1906, *G. Forrest* 2031. (Isotype, CAL).

S. flava Forrest ex Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 235. 1912. China : N.W. Yunnan, eastern flank of the Lichinag Range, alt. 3070 m—3344m, June 1906, *G. Forrest* 2262. (Isosytype, CAL) ; W. Yunnan, eastern flank of the Tali Range, alt. 2736 m—3344 m, July August 1906, *G Forrest* 4547. (Isosytype, CAL).

S. trijuga Diels. (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 237. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3192 m—3496 m, August 1906, *G. Forrest* 2813. (Isosytype, CAL).

Saussurea laniceps Hand. Mazz. (Compositae). Notizbl. bot. Gdn. Berlin 13 : 657. 1938. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 5016 m—5168 m, August 1906. *G. Forrest* 3006. (Isotype, CAL).

S. leucoma Diels (Compositae). Notes R. bot. Gdn. Edinb 5 : 197. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 4864 m—5016 m, August 1906, *G. Forrest* 3005. (Isosytype, CAL).

S. trullifolia var. **pinnatibracteata** Anthony (Compositae). Qutly. J. Taiwan Mus. 21 (1 & 2) : 1). 1968. China : N.W. Yunnan, on Limestone Screes and cliffs, Bei mashan alt. 4560 m, September 1921, *G. Forrest* 2043 (Isotype, CAL).

Saxifraga balfourii Engl. et Frmscher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 141. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August 1906, *G. Forrest* 2756. (Isosytype, CAL).

S. macrostigma var. **gracillima** Engl. et Frmscher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 131. 1912. China : N.W. Yunnan, eastern

flank of Lichiang Range, alt. 3344 m—3648 m, September. 1906, *G. Forrest* 2904. (Isosyntype, CAL).

S. micranthoides Engl. (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 126. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 3344 m, July 1906, *G. Forrest* 2516. (Isosyntype, CAL).

S. nigroglandulosa Engl. et Frmscher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 135. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 2910. (Isosyntype, CAL) ; *ibid.* ; alt. 3344 m—3648 m, September 1906, *G. Forrest* 2910A. (Isosyntype, CAL).

S. pulchra Engl. et Frmscher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 146. 1912. China ; N.W. Yunnan on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, May 1906, *G. Forrest* 2168. (Isosyntype, CAL).

S. sediformis Engl. et Frmscher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 144. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3648 m—3952 m, September 1906, *G. Forrest* 2912 (Isosyntype, CAL).

S. signata Engl. et Frmascher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 143. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 2958 (Isosyntype, CAL).

S. subamplexicaulis Engl. et. Frmscher (Saxifragaceae). Notes R. bot. Gdn. Edinb. 5 : 133. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September. 1906, *G. Forrest* 2965. (Isotype, CAL).

Scutellaria forrestii Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 239. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, June 1906, *G. Forrest* 2281. (Isotype, CAL).

S. likiangensis Diels (Labiatae). Notes R. bot. Gdn. Edinb. 5 : 239. 1912. China : N.W. Yuunan, eastern flank of Lichiang Range, alt. 2584 m—2736 m, June 1906, *G. Forrest* 2424, (Isotype, CAL).

Sedum forresti R. Hamet (Crassulaceae). Notes R. bot. Gdn. Edinb. 5 : 118. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344m, August 1906, *G. Forrest* 2808. (Isotype, CAL).

S. trifidum Wall. var. **forresti** R. Hammet (Crassulaceae). Notes R. bot. Gdn. Edinb. 5 : 119. 1912. China : N.W. Yunnan, on the eastern

flank of the Lichiang Range, alt. 2736 m—3040 m, September 1906, *G. Forrest* 2971. (Isosytype, CAL).

S. yunnanense Franchet. var. ***forresti*** Raymond Hamet (Crassulaceae). Notes R. bot. Gdn. Edinb. 5 : 117. 1912. W. China : Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3496 m, June 1906, *G. Forrest* 2384. (Isotype, CAL).

S. yunnanense Franchet var. ***valerianoides*** R. Hamet (Crassulaceae). Notes R. bot. Gdn. Edinb. 5 : 117. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m—3344 m, June 1906, *G. Forrest* 2458. (Isotype, CAL).

Senecio pleopterus Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 191. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3040 m, August 1906, *G. Forrest* 2829. (Isotype, CAL).

S. schizopetalus W.W. Sm. (Compositae). Notes R. bot. Gdn. Edinb. 13 : 182. 1921. West China : Yunnan, Hills east of Tengyueh, alt. 1976 m, October 1919. *G. Forrest* 18611. (Isotype, CAL).

S. scytophyllus Diels (Compositae). Notes R. bot. Gdn. Edinb. 5 : 193. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 2964. (Isotype, CAL).

Senecio yakoensis J.F. Jeffrey (Compositae). Notes R. bot. Gdn. Edinb. 5 : 195. 1912. China : N.W. Yunnan, Salwin Irrawadi divide, only in one place on Yako ridge, near the village of Yako, alt. 2128 m—2432 m, November 1905, *G. Forrest* 959. (Isotype, CAL).

Sibiraea tomentosa Diels. (Rosaceae). Notes R. bot. Gdn. Edinb. 5 : 270. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m, June 1906, *G. Forrest* 2432. (Isotype, CAL).

Silene astrocastanea Diels (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 5 : 181. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, September 1906, *G. Forrest* 3043. (Isotype, CAL).

S. bilingua W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 11 : 220. 1920. China : Yunnan, on the Bei ma Shan, alt. 3648 m, July 1917, *G. Forrest* 14322. (Isotype, CAL).

S. cryptantha Diels. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 5 : 180. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, July 1906, *G. Forrest* 2783. (Isotype, CAL).

S. esquamata W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 11 : 223. 1920. China : Yunnan, Mekong Salween divide, alt. 1824 m—2128 m, August 1917, *G. Forrest* 14609. (Isotype, CAL).

S. monbeigii W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 11 : 226. 1920. China : Yunnan, Mekong valley, alt. 2128 m, July 1917, *G. Forrest* 14104. (Isosyntype, CAL).

S. salweenensis W.W. Sm. (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 11 : 229. 1920. China : Yunnan, Mekong Salween divide, alt. 1824 m,—2128 m, September 1917, *G. Forrest* 14764. (Isotype, CAL).

S. stewartiana Diels (Caryophyllaceae). Notes R. bot. Gdn. Edinb. 5 : 180. 1912. China : N.W. Yunnan, eastern flank of the range, alt. 3192 m,—3648 m, August. 1906, *G. Forrest* 2672. (Isotype, CAL).

Sisymbrium yunnanense W.W. Sm. (Cruciferae). Notes R. bot. Gdn. Edinb. 11 : 229. 1920. China : Yunnan, on the Bei ma Shan, alt. 3040 m, June 1917, *G. Forrest* 14016. (Isosyntype, CAL).

Sloanea forrestii W.W. Sm. (Tiliaceae). Notes R. bot. Gdn. Edinb. 13 : 182. 1921. West China : Yunnan, eastern flank of the N'Maikha-Salween divide, alt. 2432 m, May 1919, *G. Forrest* 17884. (Isosyntype, CAL) ; Shweli-Salween divide, alt. 2128 m—2432 m, April 1917, *G. Forrest* 18390. (Isosyntype, CAL).

Solms-laubachia pulcherrima Muschler. (Cruciferae). Notes R. bot. Gdn. Edinb. 5 : 206. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3648 m, May 1906, *G. Forrest* 2164. (Isotype, CAL).

Staphylea shweliensis W.W. Sm. (Sapindaceae). Notes R. bot. Gdn. Edinb. 13 : 184. 1921. West China ; Yunnan, Shweli-Salween divide, alt. 2736 m, July 1917, *G. Forrest* 15800. (Isotype, CAL).

Strobilanthes forrestii Diels (Acanthaceae). Notes R. bot. Gdn. Edinb. 5 ; 162. 1912. China : N.W. Yunnan, eastern flank of the Lichiang range, alt. 3040 m, August. 1906, *G. Forrest* 2760. (Isosyntype, CAL) ; W. Yunnan, eastern flank of the Tali range, alt. 2736 m—3040 m, August. 1906, *G. Forrest* 4551. (Isosyntype, CAL).

S. yunnanensis Diels (Acanthaceae). Notes R. bot. Gdn. Edinb. 5 : 164. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 2736 m, June 1906, *G. Forrest* 2361. (Isosyntype, CAL).

Swertia calicina Franch. var. **major** Diels. (Gentianaceae). Notes R.

bot. Gdn. Edinb. 5 : 223. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3344 m, September. 1906, *G. Forrest* 2926, (Isotype CAL).

S. hypericoides Diels (Gentianaceae). Notes R. bot. Gdn. Edinb. 5 : 222. 1912. China : N.W. Yunnan, Foot hills of the Lichiang Range, alt. 2584 m, July 1906, *G. Forrest* 2542. (Isotype, CAL).

Symplocos forrestii W.W. Sm. (Symplocaceae). Notes R. bot. Gdn. Edinb. 13 : 185. 1921. West China : Yunnan, Shweli-Salween divide, alt. 3040 m, July 1917, *G. Forrest* 15653. (Isosyntype, CAL).

Teucrium holocheilum W.E. Evans (Labiatae). Notes R. bot. Gdn. 13 : 186. 1921. China ; Yunnan, Shweli-Salween divide, alt. 2736 m—3040 m, June 1919, *G. Forrest* 18086. (Isotype, CAL).

Thalictrum scaposum W.E. Evans (Ranunculaceae). Notes R. bot. Gard. Edinb. 13 : 187. 1921. West China : Yunnan, Mekong Salween divide, alt. 3040 m—3344 m, July 1919, *G. Forrest* 18194. (Isosyntype, CAL).

T. tofieldioides Diels (Ranunculaceae). Notes R. bot. Gdn. Edinb. 5 : 263. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang range, alt. 2736 m—3040 m, May 1906, *G. Forrest* 2149. (Isosyntype, CAL).

Thea forrestii Diels. (Ternstroemiaceae). Notes R. bot. Gdn. Edinb. 5 : 284. 1912. China : Yunnan, south end of Tsu hsiong-fu valley, alt. 2128 m—2432 m, February. 1905, *G. Forrest* 314. (Isotype, CAL).

Trachydium chloroleucum Diels (Umbelliferae). Notes R. bot. Gdn. Edinb. 5 : 290. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August. 1906. *G. Forrest* 2873. (Isosyntype, CAL) ; Ibid, September. 1906, *G. Forrest* 2886. (Isosyntype, CAL).

T. forrestii Diels (Umbelliferae). Notes R. bot. Gdn. Edinb. 5 : 291. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m—3344 m, August 1906, *G. Forrest* 2855. (Isotype, CAL).

Triplostegia delavayi Franch. ex Diels (Dipsacaceae). Notes R. bot. Gdn. Edinb. 5 : 209. 1912. China : N.W. Yunnan, eastern flank of the Lichiang Range, alt. 3040 m 3344 m, August 1906, *G. Forrest* 2755. (Isosyntype, CAL) ; W. Yunnan, eastern flank of the Tali Range, alt. 2736 m—3040 m July 1906, *G. Forrest* 4646. (Isosyntype, CAL).

Tripterygium forrestii Loes. (Celastraceae). Notes R. bot. Gdn. Edinb. 8 : 4. 1913. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3040 m. August 1906, *G. Forrest* 4290. (Isotype, CAL).

Tylophora yunnanensis Schltr. (Asclepiadaceae). Notes bot. Gdn. Edinb. 8 : 17. 1913. China : N.W. Yunnan, on the foothills of the Lichinag Range, alt. 2736 m, July 1906, *G. Forrest* 2567. (Isosyntype, CAL) ; W. Yunnan, on the eastern flank of the Tali Range, alt. 2432 m—2736 m, June July 1906, *G. Forrest* 4661. (Isosyntype, CAL).

Valeriana barbulata Diels (Valerianaceae). Notes R. bot. Gdn. Edinb. 5 : 295. 1912. China : W. Yunnan, on the eastern flank of the Tali Range, alt. 2736 m—3040 m, July 1906, *G. Forrest* 4645. (Isosyntype, CAL).

V. stenoptera Diels (Valerianaceae). Notes R. bot. Gdn. Edinb. 5 : 295. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 3344 m—3648 m, August 1906, *G. Forrest* 2705. (Isosyntype, CAL).

Veratrum stenophyllum Diels (Liliaceae). Notes R. bot. Gdn. Edinb. 5 : 330. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2888 m—8344 m, July 1906, *G. Forrest* 2635. (Isosyntype, CAL).

Veronica forrestii Diels (Scrophulariaceae). Notes R. bot. Gdn. Edinb. 5 : 282. 1912. China : W. Yunnan, eastern flank of the Tali Range, alt. 2432 m—3040 m, July 1906, *G. Forrest* 4195. (Isotype, CAL).

Xanthoxylum usitatum Diels (Rutaceae). Notes R. bot. Gdn. Edinb. 5 : 280. 1912. China : N.W. Yunnan, on the eastern flank of the Lichiang Range, alt. 2736 m—3344 m, May 1906, *G. Forrest* 2103. (Isotype, CAL).

Elmer's Philippine and Bornean Collections and their Type Material at Central National Herbarium (CAL).

ANUKUL DATTA, B.B. PRAMANICK AND M.P. NAYAR
Central National Herbarium, Howrah-3

A.D.E. Elmer's collections of Philippine and Bornean plants available at Central National Herbarium are checked with reference to original publication. Isotypes and isosyntypes for about 620 taxa, were located and annotated. According to Merrill (1926) the largest single collection made by any one individual in Philippines is that made by Mr. A.D.E. Elmer, working as a private collector. Unfortunately the vast collections of Philippine plants assembled in the Bureau of Science, Manila due to the assiduous labours of Copeland, Elmer, Foxworthy, Merrill, Quisumbig and a host of other eminent botanists were lost to science during the occupation of Manila in the last phase of Second World War.

Among a host of illustrious botanists who contributed to the study of Philippine flora, following names stand out prominently : Blanco, Gaudichaud, Hugh Cuming, Sebastine-Vidal, Loher, Warburg, Copeland, Elmer, Whitford, Robinson, Foxworthy, McGregor, Ramos and Edano, Everett, Merrill and Quisumbig.

It is an unfortunate event of Philippine botanical history that the successive well-established Herbaria preserved in Philippines were destroyed by fire accidentally or wantonly in the course of insurrection and war waged in the Philippine soil during Spanish-American War during the last decade of 19th Century and in 1945 due to the reoccupation of Manila during the last phase of Second World War. Following is the chronology of major events which resulted in the loss of classical type of collections of Philippine plants.

- (i) On 27th Sept. 1897, the botanical library and the herbarium established by Sebastine Vidal, who came to Philippines in 1871 as Inspector General of Forests, in the Forest Bureau was destroyed by an accidental fire.
- (ii) In 1898, the botanical collections and literature in the Museo Bibliotheca were destroyed during the unsettled conditions of insurrection.
- (iii) On 19th February 1899, the botanical collections of the Noves and Fernandez-Villar were destroyed by fire in the burning of the Guadalupe Convent, Manila during the Spanish-American insurrection.

- (iv) During the American regime from 1900, enormous effort was made to assemble the finest collections of Philippine plants backed by expertise and financial inputs. As a result of this, a fine collection of 3000,000 mounted specimens were assembled in the Bureau of Science, Manila, which was later named as the Philippine National Herbarium. This Herbarium was destroyed during the occupation of Manila in 1945 during the last phase of Second World War which resulted in the loss of thousands of holotypes and isotypes of species of well known collections of Philippine flora. Elmer's original set of collections were also lost along with other collections. However, it is appropriate to quote *Chronica Botanica* announcement : (*Chronica Botanica* 9 : 191. 1945). "It is gratifying to realize that so many specimens, often isotypes of the species described by the able staff of the Bureau of Science, are safe and available to-day as a happy result of the wise policy of Dr. Merrill and his associates" It is because Merrill established the first tradition of Herbarium exchange on institutional basis, and distributed the vast collections of his and his predecessor's collections of Philippine plants to the important World Herbaria. The largest collections of Philippine Herbarium specimens are preserved in the Herbaria of the United States : The Arnold Arboretum and Gray Herbarium ; The U.S. National Herbarium (Smithsonian Institution, Washington) ; the Herbarium of the New York Botanic Garden. The duplicates and isotypes are also distributed to the well known Herbaria in Europe and Asia : The Herbarium of the Royal Botanic Gardens, Rijksherbarium, Leiden, Herbarium of National Hist. Museum, London, Herb. of Bot. Gard. Leningrad, National History Museum, Paris, Herbarium of Singapore Botanic Garden, Central National Herbarium, Calcutta, the Bogor Herbarium, etc.

A.D.E. Elmer (1870-1943), a native of Wisconsin (U.S.A.) educated at Washington Agricultural College, made extensive plant collections throughout the length and breadth of Philippines and published about 1500 new species in the journal "Leaflets of Philippine Botany". His travels, collection localities and distribution of collection numbers are well documented in the *Flora Malesiana Ser. I. Vol. 1 : 151-152. 1950*. Elmer's collection of Philippine plants are an important asset for the Central National Herbarium. In the interest of Malaysian taxonomy, these collections were checked and the specimens were identified with original literature and the types and other type materials were sorted and annotated. In this catalogue, the type material sorted from the collections are catalogued family genus and species-wise in alphabetical order. The original publication of the species is cited and the type material available at Central National Herbarium, Calcutta is also indicated.

ACANTHACEAE

Hemigraphis setosa Elm. Leaf. Philip. Bot. 1 : 348, 1908. *Elmer* 7248. Isotype.

Hypoestes linearis Elm. loc. cit. 2 : 517, 1908. *Elmer* 7830. Isotype.

Justicia spiciformis Elm. loc. cit. 1 : 349, 1908. *Elmer* 7347. Isotype.

ANACARDIACEAE

Buchanania conglomerata Elm. loc. cit. 10 : 3679, 1939. *Elmer* 15629. Isotype.

B. reticulata Elm. loc. cit. 4 : 1499, 1912. *Elmer* 12334. Isotype.

B. sorsogonensis Elm. loc. cit. 10 : 3681, 1939. *Elmer* 15309. Isotype.

Semecarpus glauciphyla Elm. loc. cit. 4 : 1501, 1912. *Elmer* 12276. Isotype.

S. obtusata Elm. loc. cit. 5 : 1752, 1913. *Elmer* 13003. Isotype.

S. testaceus Elm. loc. cit. 10 : 3682, 1939. *Elmer* 15247. Isotype.

ANNONACEAE

Deprananthus apoensis Elm. loc. cit. 5 : 1708, 1913. *Elmer* 11290 & 10843. Isosyntypes.

Desmos elegans Elm. loc. cit. 8 : 3070, 1919. *Elmer* 17649. Isotype.

Goniothalamus epiphyticus Elm. loc. cit. 5 : 1711, 1913. *Elmer* 13830. Isotype.

G. gitingensis Elm. loc. cit. 5 : 1710, 1913. *Elmer* 12507. Isotype.

G. klemmei Elm. loc. cit. 5 : 1735, 1913. *Elmer* 12565 & 12644. Isosyntypes.*

G. mindanaensis Elm. loc. cit. 5 : 1712, 1913. *Elmer* 14024. Isotype.

* Distributed as above, but published as *Polyalthia klemmei* Elm.

- Meiogyne lucida** Elm. loc. cit. 5 : 1715, 1913. *Elmer* 13984. Isotype.
- M. philippinensis** Elm. loc. cit. 5 : 1714, 1913. *Elmer* 11318. Isotype.
- Mitrephora aversa** Elm. loc. cit. 5 : 1719, 1913. *Elmer* 13985. Isotype.
- M. ellipanthoides** Elm. loc. cit. 5 : 1721, 1913. *Elmer* 13987. Isotype.
- M. pictiflora** Elm. loc. cit. 5 : 1718, 1913. *Elmer* 13781. Isotype.
- M. sorsogonensis** Elm. loc. cit. 5 : 10 : 3687, 1939. *Elmer* 17178. Isotype.
- M. viridifolia** Elm. loc. cit. 5 : 1716, 1913. *Elmer* 14184. Isotype.
- Orophea palawanensis** Elm. loc. cit. 5 : 1721, 1913. *Elmer* 12858 & 12645. Isosyntypes.
- O. submaculata** Elm. loc. cit. 5 : 1723, 1913. *Elmer* 13018 & 13099. Isosyntypes.
- O. unguiculata** Elm. loc. cit. 5 : 1724, 1913. *Elmer* 13286. Isotypes.
- O. vulcanica** Elm. loc. cit. 10 : 3688, 1939. *Elmer* 16312 & 14624. Isosyntypes.
- Oxymitra urdanetensis** Elm. loc. cit. 5 : 1727, 1913. *Elmer* 13946. Isotype.
- Papualthia bakeri** Elm. loc. cit. 8 : 3069, 1919. *Elmer* 17775. Isotype.
- P. irosinensis** Elm. loc. cit. 10 : 3689, 1939. *Elmer* 15399. Isosyn-
type.
- Phaeanthus nigrescens** Elm. loc. cit. 5 : 1728, 1913. *Elmer* 13727. Isotype.
- Polyalthia mindanaensis** Elm. loc. cit. 5 : 1734, 1913. *Elmer* 11642. Isotype.
- P. minutiflora** Elm. loc. cit. 5 : 1730, 1913. *Elmer* 13055. Isotype.
- P. pacifica** Elm. loc. cit. 10 : 3690, 1939. *Elmer* 17357. Isotype.
- P. pinnatinervia** Elm. loc. cit. 5 : 1736, 1913. *Elmer* 13611. Isotype.
- P. pulgarensis** Elm. loc. cit. 5 : 1731, 1913. *Elmer* 13100. Isotype.

P. romblonensis Elm. loc. cit. 5 : 1729, 1913. *Elmer* 12170. Isotype.

P. urdanetensis Elm. loc. cit. 5 : 1738, 1913. *Elmer* 13931. Isotype.

Saccopetalum arboreum Elm. loc. cit. 5 : 1739, 1913. *Elmer* 12697. Isotype.

Unona agusanensis Elm. loc. cit. 5 : 1743, 1913. *Elmer* 13654. Isotype.*

U. leytensis Elm. loc. cit. 5 : 1744, 1913. *Elmer* 13880. Isotype.

U. palawanensis Elm. loc. cit. 5 : 1742, 1913. *Elmer* 13125. Isotype.

Uvaria nudistellata Elm. loc. cit. 5 : 1746, 1913. *Elmer* 13015. Isotype.

U. peninsula Elm. loc. cit. 10 : 3691, 1939. *Elmer* 16852. Isotype.

U. sibuyanensis Elm. loc. cit. 5 : 1747, 1913. *Elmer* 12322. Isotype.

U. zschokkei Elm. loc. cit. 1 : 292, 1908. *Elmer* 7647. Isotype.

Xylopia densifolia Elm. loc. cit. 5 : 1749, 1913. *Elmer* 12471. Isotype.

APOCYNACEAE

Anodendron corymbosum Elm. loc. cit. 2 : 512, 1908. *Elmer* 8468. Isotype.

Voacanga plumeriaefolia Elm. loc. cit. 1 : 333, 1908. *Elmer* 7502. Isotype.

AQUIFOLIACEAE

Ilex rolfei Elm. loc. cit. 1 : 314, 1908. *Elmer* 8764. Isotype.

ARALIACEAE

Aralia apoensis Elm. loc. cit. 7 : 2325, 1914. *Elmer* 11608. Isotype.

Boerlagiodendron agusanense Elm. loc. cit. 7 : 2331, 1914. *Elmer* 13546. Isotype.

* Distributed with the given number, but in publication first digit slips off.

- B. humilis** Elm. loc. cit. 7 : 2327, 1914. *Elmer* 10860^a. Isotype.
- B. sibuyanense** Elm. loc. cit. 7 : 2328, 1914. *Elmer* 12531. Isotype.
- B. simplicifolia** Elm. loc. 7 : 2329, 1914. *Elmer* 13689. Isotype.
- Schefflera agusanensis** Elm. loc. cit. 7 : 2340, 1914. *Elmer* 13652. Isotype.
- S. apoensis** Elm. loc. cit, 7 : 2334, 1914. *Elmer* 10488. Isotype.
- S. bulusanensis** Elm. loc. cit. 10 : 3637, 1938. *Elmer* 17130. Isotype.
- S. catensis** Elm. loc. cit. 7 : 2336, 1914. *Elmer* 11519. Isotype.
- S. merrillii** Elm. loc. cit. 7 : 2335, 1914. *Elmer* 11217. Isotype.
- S. multiramosa** Elm. loc. cit. 7 : 2332, 1914. *Elmer* 11266. Isotype
- S. longifrutescens** Elm. loc. cit. 1 : 331, 1908. *Elmer* 7354. Isotype.
- S. pentaphylla** Elm. loc. cit. 10 : 3642, 1938. *Elmer* 14596 & 14722. Isosyntypes.
- S. perlucida** Elm. loc. cit. 7 : 2333, 1914. *Elmer* 14193. Isotype.
- S. todayensis** Elm. loc. cit. 10 : 3704, 1939. *Elmer* 10937. Isotype.
- S. urdanetensis** Elm. loc. cit. 7: 2338, 1914. *Elmer* 14075. Isotype.

BEGONIACEAE

- Begonia bakeri** Elm. loc. 10 : 3706, 1939. *Elmer* 14597. Isotype.
- B. camiguinensis** Elm. loc. cit. 2553, 1915. *Elmer* 14222. Isotype.
- B. elegans** Elm. loc. cit. 7 : 2554, 1915. *Elmer* 13672. Isotype.
- B. gitingensis** Elm. loc. cit. 2 : 738, 1910. *Elmer* 12368. Isotype.
- B. sordidissima** Elm. loc. cit. 7 : 2557, 1915. *Elmer* 13575. Isotype.
- B. sorsogonensis** Elm. loc. cit. 10 : 3708, 1939. *Elmer* 14515. Isotype.
- B. urdanetensis** Elm. loc. cit 7 : 2559, 1915. *Elmer* 13819. Isotype.

BURSERACEAE

- Canarium agusanense** Elm. loc. cit. 7 : 2564, 1915. *Elmer* 13275. Isotype.
- C. antonii** Elm. loc. cit. 10 : 3711, 1939. *Elmer* 16133. Isosyntype.
- C. apoense** Elm. loc. cit. 3 : 1083, 1911. *Elmer* 11638. Isotype.
- C. clementis perumbrinum** Elm. loc. cit. 3 : 1078, 1911. *Elmer* 11730. Isotype.
- C. costulatum** Elm. loc. cit. 3 : 1080, 1911. *Elmer* 11215. Isotype.
- C. laciniatum** Elm. loc. cit. 3 : 1084, 1911. *Elmer* 11122. Isotype.
- C. longiflorescens** Elm. loc. cit. 10 : 3713, 1939. *Elmer* 11069, 12015 & 10817. Isosyntypes.
- C. melioides** Elm. loc. cit. 3 : 1079, 1911. *Elmer* 11007. Isotype.
- C. nervosum** Elm. loc. cit. 2 : 482, 1908. *Elmer* 7242. Isotype.
- C. ogat** Elm. loc. cit. 3 : 1086, 1911. *Elmer* 11859. Isotype.
- C. palawanense** Elm. loc. cit. 5 : 1754, 1913. *Elmer* 12889. Isotype.
- C. purpureum** Elm. loc. cit. 4 : 1503, 1912. *Elmer* 12145 & 12219. Isosyntypes.
- C. sibulanense** Elm. loc. cit. 3 : 1085, 1911. *Elmer* 11206. Isotype.
- C. sibuyanense** Elm. loc. cit. 4 : 1502, 1912. *Elmer* 12225. Isotype.
- C. subvelutinum** Elm. loc. cit. 7 : 2566, 1935. *Elmer* 13947. Isotype.
- C. todayense** Elm. loc. cit. 3 : 1087, 1911. *Elmer* 11268. Isotype.
- C. tongcalingii** Elm. loc. cit. 3 : 1082, 1134, 1911. *Elmer* 10996. Isotype.
- C. urdanetense** Elm. loc. cit. 7 : 2568, 1915. *Elmer* 14074. Isotype.
- C. villosiflorum** Elm. loc. cit. 7 : 2569, 2701, 1915. *Elmer* 13644. Isotype.
- Scutinanthe engleri** Elm. loc. cit. 1 : 298, 1908. *Elmer* 9179. Isotype.

CAPPARIDACEAE*

Capparis mucronata Elm. loc. cit. 5 : 1757, 1913. *Elmer* 13080. Isotype.

C. turczaninowii Elm. loc. cit. 5 : 1755, 1913. *Elmer* 12720. Isotype.

C. viridis Elm. loc. cit. 8 : 3076, 1919. *Elmer* 18061. Isotype.

CAPRIFOLIACEAE

Viburnum laxum Elm. loc. cit. 7 : 2576, 1915. *Elmer* 14283. Isotype.

V. valerianicum Elm. loc. cit. 7 : 2578, 1915. *Elmer* 14264. Isotype.

CELASTRACEAE

Celastrus apoensis Elm. loc. cit. 7 : 2579, 1915. *Elmer* 11411. Isotype.

COMPOSITAE

Blumea copelandii Elm. loc. cit. 1 : 359, 1908. *Elmer* 8400. Isotype.

B. subsericans Elm. loc. cit. 7 : 2582, 1915. *Elmer* 11139. Isosytype.

Gynura agusanense Elm. loc. cit. 7 : 2585, 1915. *Elmer* 13864. Isotype.

Pluchea incisa Elm. loc. cit. 1 : 358, 1908. *Elmer* 8396. Isotype.

Vernonia accuminatissima Elm. loc. cit. 8 : 3076, 1919. *Elmer* 18164. Isotype**

V. apoense Elm. loc. cit. 2 : 687, 1910. *Elmer* 10764. Isotype.

V. floescens Elm. loc. cit. 2 : 685, 1910. *Elmer* 11613. Isotype.

V. pulgarensis Elm. loc. cit. 7 : 2590, 1915. *Elmer* 12848. Isotype***

V. urdanetense Elm. loc. cit. 7 : 2591, 1915. *Elmer* 13634. Isotype.

* [Erroneously printed in original publication of Elmer (vol. 5 : 1755) as *Caprifollaceae*]

** Type no. in lit, is given 18064. otherwise, all other collection data matching.

*** Type no. in herb. sheet 12948 but all other data are matching. So 12948 is the type number of *V. pulgarensis* Elm., since 12848 is the type number of *Sarcocephalus fluviatilis* Elm. reported elsewhere in this article.

CONNARACEAE

Agelaea platyphylla Elm. loc. cit. 10 : 3717, 1939. *Elmer* 16822. Isotype.

Connarus erianthus Elm. loc. cit. 5 : 1762, 1913. *Elmer* 12877. Isotype.

C. fragrans Elm. loc. cit. 4 : 1507, 1912. *Elmer* 7269. Isotype.

C. oliganthus Elm. loc. cit. 10 : 3718, 1939. *Elmer* 16750. Isotype.

C. urdanetensis Elm. loc. cit. 7 : 2594, 1915. *Elmer* 14043. Isotype.

Ellipanthus vidalli Elm. loc. cit. 7 : 2596, 1915. *Elmer* 12406. Isotype.

Rourea imbricata Elm. loc. cit. 7 : 2597, 1915. *Elmer* 14309. Isotype.

R. microcarpa Elm. loc. cit. 7 : 2599, 1915. *Elmer* 14229. Isotype.

R. subvolubilis Elm. loc. cit. 7 : 2600, 1915. *Elmer* 11180. Isotype.

CONVOLVULACEAE

Rivea cinerea Elm. loc. cit. 1 : 335, 1908. *Elmer* 8882. Isotype.

R. glabrata Elm. loc. cit. 1 : 334, 1908. *Elmer* 8923. Isotype.

CUNONIACEAE

Weinmannia bulusanensis Elm. loc. cit. 10 : 3723, 1939. *Elmer* 17293. Isotype.

W. camiguinensis Elm. loc. cit. 7 : 2607, 1915. *Elmer* 14228. Isotype.

W. luzoniensis puberula Elm. n. var. loc. cit. 8 : 3078, 1919. *Elmer* 18066. Isotype.

W. irosinensis Elm. loc. cit. 10 : 3725, 1939. *Elmer* 14918. Isotype.

W. urdanetensis Elm. loc. cit. 7 : 2608, 1915. *Elmer* 13701. Isotype.

DICHAPETALACEAE

Dichapetalum olivaceum Elm. loc. cit. 5 : 1769, 1923. *Elmer* 12919. Isotype.

D. spicatum Elm. loc. cit. 1 : 299, 10, 1908. *Elmer* 7497. Isotype.

D. submaritimum Elm. loc. cit. 4 : 1493, 1912. *Elmer* 12245. Isotype.

DILLENACEAE

Saurauia copelandii Elm. loc. cit. 7 : 2613, 1915. *Elmer* 10555. Isotype.

S. erythrothrica Elm. loc. cit. 7 : 2614, 1915. *Elmer* 13821. Isotype.

S. merrillii Elm. loc. cit. 1 : 321, 1908. *Elmer* 7350. Isotype.

S. sampad Elm. loc. cit. 7 : 2616, 1915. *Elmer* 13825. Isotype.

S. sibuyanensis Elm. loc. cit. 4 : 1492, 1912. *Elmer* 12535. Isotype.

S. sparsiflora Elm. loc. cit. 1 : 322, 1908. *Elmer* 8364. Isotype.

S. succulenta Elm. loc. cit. 7 : 2617, 1915. *Elmer* 13408. Isotype.

S. urdanetensis Elm. loc. cit. 7 : 2617, 1915. *Elmer* 13638. Isotype.

DIPTEROCARPACEAE

Hopea foxworthyi Elm. loc. cit. 4 : 1469, 1912. *Elmer* 12071. Isotype.

H. glutinosa Elm. loc. cit. 4 : 1470, 1912. *Elmer* 12289. Isotype.

ELAEOCARPACEAE

Elaeocarpus apoensis Elm. loc. cit. 4 : 1185, 1911. *Elmer* 10524. Isotype.

E. baclayanensis Elm. loc. cit. 4 : 1188, 1911. *Elmer* 11946. Isosyntype. *Elmer* 11414 and 11712. Isoparatypes.

E. burebidensis Elm. loc. cit. 4 : 1180, 1911. *Elmer* 11837. Isotype.

E. candollei Elm. loc. cit. 4 : 1184, 1911. *Elmer* 12974. Isotype.

E. gigantifolius Elm. loc. cit. 4 : 1182, 1911. *Elmer* 11184. Isotype.

E. gitingensis Elm. loc. cit. 4 : 1177, 1911. *Elmer* 12470 & 12050a. Isosyntypes.

E. fulvus Elm. loc. cit. 4 : 1179, 1191. *Elmer* 10825. Isotype.

E. fusicarpus Elm. loc. cit. 4 : 1174, 1191. *Elmer* 10819 & 11769. Isosyntypes.

E. laxirameus Elm. loc. cit. 4 : 1186, 1911. *Elmer* 11945 & 11222. Isosyntypes.

E. maquilingsis Elm. loc. cit. 8 : 3080, 1919. *Elmer* 18039. Isotype.

E. megacarpa Elm. loc. cit. 7 : 2627, 1915. *Elmer* 14059. Isotype.

E. merrillii Elm. loc. cit. 10 : 3729, 1939. *Elmer* 17133. Isotype.

E. microphyllus Elm. loc. cit. 4 : 1189, 1911. *Elmer* 11860. Isotype.

E. nervosus Elm. loc. cit. 4 : 1176, 1911. *Elmer* 11566 & 10802. Isosyntypes.

E. versicolor Elm. loc. cit. 4 : 1178, 1911. *Elmer* 12761. Isotype.

E. verticellatus Elm. loc. cit. 4 : 1181, 1911. *Elmer* 12104 & 12427. Isosyntypes.

ERICACEAE

Vaccinium agusanense Elm. loc. cit. 7 : 2630, 1915. *Elmer* 13765. Isotype.

V. calelanum Elm. loc. cit. 3 : 1096, 1911. *Elmer* 11345. Isotype.

V. elegans Elm. loc. cit. 3 : 1093, 1911. *Elmer* 11683. Isotype.

V. gitingense Elm. loc. cit. 4 : 1490, 1912. *Elmer* 12555. Isotype.

V. mearnsii Elm. loc. cit. 3 : 1098, 1911. *Elmer* 11251. Isotype.

V. medinilloides Elm. loc. cit. 3 : 1097, 1911. *Elmer* 11310. Isotype.

V. perrigidum Elm. loc. cit. 3 : 1094, 1911. *Elmer* 11686. Isotype.

V. sorsogonense Elm. loc. cit. 10 : 3730, 1939. *Elmer* 16912 & 17026. Isosyntype.

V. sylvaticum Elm. loc. cit. 3 : 1095, 1911. *Elmer* 11819. Isotype.

ERYTHROXYLACEAE

Erythroxylum iwahigense Elm. loc. cit. 5 : 1776, 1913. *Elmer* 13227. Isotype.

EUPHORBIACEAE

Antidesma membranaefolium Elm. loc. cit. 1 : 313, 1908, *Elmer* 7913. Isosytype.

Bridelia laurifolia Elm. loc. cit. 7 : 2637, 1915. *Elmer* 8520. Isoparatype.

Claoxylon arboreum Elm. loc. cit. 2 : 486, 1908, 741, 1910. *Elmer* 7335. Isotype.

Croton cuprea Elm. loc. cit. 4 : 1281, 1911. *Elmer* 13236. Isotype.

Elateriospermum paucinervum Elm. loc. cit. 2 : 484, 1908., 741, 1910. *Elmer* 7416. Isotype.

Glochidion benguetense Elm. loc. cit. 1 : 304, 1908. *Elmer* 8665. Isotype.

G. leytense Elm. loc. cit. 1 : 303, 1908. *Elmer* 7377 (a). Isotype.

G. luzonense Elm. loc. cit. 1 : 301, 1908. *Elmer* 8947. Isotype.

G. quinquestylum Elm. loc. cit. 1 : 303, 1908. *Elmer* 8916. Isotype.

G. reticulatum Elm. loc. cit. 1 : 302, 1908. *Elmer* 8188. Isotype.

G. subfalcatum Elm. loc. cit. 1 : 305, 1908. *Elmer* 8915. Isotype.

G. urophyloides Elm. loc. cit. 1 : 300, 1908. *Elmer* 8676. Isotype.

Macaranga loheri Elm. loc. cit. 2 : 432, 1908. *Elmer* 8558. Isotype.

Phyllanthus leytensis Elm. loc. cit. 1 : 307, 1908. *Elmer* 7267. Isotype.

Pimeleodendron dispersa Elm. loc. cit. 1 : 308, 1908. *Elmer* 7245. Isotype.

FLACOURTIACEAE

Casearia agusanensis Elm. loc. cit. 7 : 2652, 1915. *Elmer* 13650. Isotype.

C. densifolia Elm. loc. cit. 4 : 1516, 1912. *Elmer* 12217. Isotype.

C. elliptifolia Elm. loc. cit. 10 : 3738, 1939. *Elmer* 14686 & 15175.
Isosyntypes.

C. glauciramea Elm. loc. cit. 4 : 1517, 1912. *Elmer* 12216. Isotype.

Flacourtia sulcata Elm. loc. cit. 7 : 2653, 1915. *Elmer* 14044. Isotype.

Homalium gitingensis Elm. loc. cit. 4 : 1513, 1912. *Elmer* 12463^a.
Isotype.

Osmelia subrotundifolia Elm. loc. cit. 7 : 2655, 1915. *Elmer* 13543.
Isotype.

Scolopia fragrans Elm. loc. cit. 5 : 1780, 1913. *Elmer* 12802. Isotype.

FLAGELLARIACEAE

Flagellaria philippinensis Elm. loc. cit. 1 : 274, 1908. *Elmer* 9142.
Isotype.

GESNERIACEAE

Cyrtandra humilis Elm. loc. cit. 1 : 345, 1908. *Elmer* 8855. Isotype.

C. tayabensis Elm. loc. cit. 1 : 347, 1908. *Elmer* 9238. Isotype.

Dichrotrichum clarkei Elm. loc. cit. 1 : 345, 1908. *Elmer* 7499.
Isotype.

Trichosporum crassifolium Elm. loc. cit. 1 : 343, 1908. *Elmer* 9211.
Isotype.

GOODENIACEAE

Scaevola merrillii Elm. loc. cit. 4 : 1491, 1912. *Elmer* 12135^a. Isotype.

GRAMINEAE

Gigantochloa merrilliana Elm. loc. cit. 1 : 273, 1908. *Elmer* 7283.
Isotype.

GUTTIFERAE

Calophyllum flavo-cortica Elm. loc. cit. 7 : 2682, 1915. *Elmer* 14311. Isotype.

C. lancifolia Elm. loc. cit. 7 : 2683, 1915. *Elmer* 13989 & 13266. Isosyntypes.

C. mindanaense Elm. loc. cit. 7 : 2684, 1915. *Elmer* 10597^a & 11749. Isosyntypes.

C. pulgarensis Elm. loc. cit. 5 : 1786, 1913. *Elmer* 13217. Isotype.

C. sorsogonense Elm. loc. cit. 10 : 3744, 1939, *Elmer* 17385. Isotype.

C. zschokkei Elm. loc. cit. 7 : 2686, 1915. *Elmer* 12129. Isosyntype.

Cratoxylon arboreum Elm. loc. cit. 8 : 3084, 1919. *Elmer* 17724. Isotype.

C. hypoleuca Elm. loc. cit. 5 : 1787, 1913. *Elmer* 12913. Isotype.

Garcinia linearifolia Elm. loc. cit. 3 : 1051, 1911. *Elmer* 12196. Isotype.

G. pinnatinervia Elm. loc. cit. 2 : 502, 1908. *Elmer* 7190. Isotype.

G. sorsogonensis Elm. loc. cit. 4 : 1487, 1912. *Elmer* 7187. Isotype.

HIPPOCRATEACEAE

Hippocratea lawsonnii Elm. loc. cit. 7 : 2688, 1915. *Elmer* 12241. Isotype.

ICACINACEAE

Gomphandra sorsogonensis Elm. loc. cit. 10 : 3748, 1932. *Elmer* 15295. Isotype.

Platea apoensis Elm. loc. cit. 8 : 2789, 3107, 1915. *Elmer* 11412. Isotype. *Elmer* 10875. Isoparatype.

P. fuliginea Elm. loc. cit. 8 : 2790, 1915. *Elmer* 10613. Isotype.

Sarcostigma surigaoensis Elm. loc. cit. 10 : 3749, 1939. *Elmer* 13732 & 13930. Isosyntypes.

Stemonurus agusanensis Elm. loc. cit. 7 : 2689, 1815. *Elmer* 14018. Isotype.

S. apoensis Elm. loc. cit. 7 : 2690, 1915. *Elmer* 10558. Isotype.

S. flavicarpus Elm. loc. cit. 7 : 2691, 1915. *Elmer* 10527 & 11330. Isosyntypes.

Urandra fuliginea Elm. loc. cit. 2 : 491, 1908. *Elmer* 8620. Isotype.

U. gitingensis Elm. loc. cit. 4 : 1476, 1912. *Elmer* 12277 & 12076. Isosyntypes.

LABIATAE

Gomphostemma luzonense Elm. loc. cit. 1 : 339, 1908. *Elmer* 7433. Isotype.

Leucas sericea Elm. loc. cit. 1 : 340, 1908. *Elmer* 8409. Isotype.

Stachys rubisepala Elm. loc. cit. 1 : 338, 1908. *Elmer* 8408. Isotype.

LAURACEAE

Litsea griseola Elm. loc. cit. 2 : 382, 1908. *Elmer* 9242. Isotype.

L. membranacea Elm. loc. cit. 2 : 380, 1908. *Elmer* 8961. Isotype.

L. tayabensis Elm. loc. cit. 2 : 380, 1908. *Elmer* 9194. Isotype.

LEGUMINOSAE

Bauhinia hallieriana Elm. loc. cit. 2 : 691, 1910. *Elmer* 12172. Isotype.

B. whitfordii Elm. loc. cit. 1 : 229, 1907. *Elmer* 8897. Isotype.

Caesalpinia benguetensis Elm. loc. cit. 1 : 226, 1907. *Elmer* 8720. Isotype.

Cynometra copelandii (Elm.) Merr. Philipp. J. Sci. 10 : 13, 1915. *Elmer* 12234. Isotype.*

* Elmer published it, as *Gleditschia copelandii* Elm. Leaf. Philip. Bot. 2 : 695. 1910.

Dalbergia davaoensis Elm loc. cit. 2 : 700, 1910. *Elmer* 11925 & 10551. Isosyntypes.

D. dubia Elm. loc. cit. 8 : 2731, 1915. *Elmer* 13733. Isotype.

Derris atro-violacea Elm. loc. cit. 5 : 1798, 1913. *Elmer* 13105. Isotype.

D. canescens Elm. loc. cit. 8 : 3087, 1919. *Elmer* 17883. Isotype.

D. lianoides Elm. loc. cit. 1 : 228, 1907. *Elmer* 7443. Isotype.

D. palawanensis Elm. loc. cit. 5 : 1800, 1913. *Elmer* 13063. Isotype.

D. subalternifolia Elm. loc. cit. 5 : 1801, 1913. *Elmer* 12965. Isotype.

Hardwickia alternifolia Elm. loc. cit. 1 : 223, 1907. *Elmer* 7356. Isotype.

Itea luzonensis Elm. loc. cit. 2 : 528, 1908. *Elmer* 7484. Isotype.

I. maesaefolia Elm. loc. cit. 2 : 527, 1908. *Elmer* 7566. Isotype.

Luzonia purpurea Elm. loc. cit. 1 : 220, 1907. *Elmer* 9013. Isotype.

Mezoneurum cabadbarensis Elm. loc. cit. 10 : 3757, 1939. *Elmer* 13386. Isotype.

Mucuna curranii Elm. loc. cit. 1 : 230, 1907. *Elmer* 8442. Isotype.

M. McMillanii Elm. loc. cit. 8 : 2736, 1915. *Elmer* 13594. Isotype.

Parkia habersonii Elm. loc. cit. 5 : 1804, 1913. *Elmer* 13173. Isotype.

Pithecolobium (Pithecellobium) williamsii Elm. loc. cit. 1 : 223, 1907. *Elmer* 8833. Isotype.

Spatholobus apoensis Elm. loc. cit. 2 : 698, 1910. *Elmer* 11795. Isotype.

S. sanguineus Elm. loc. cit. 8 : 3087, 1919. *Elmer* 17560. Isosyntype.

LINACEAE

Ixonanthus philippinensis Elm. loc. cit. 10 : 3758, 1939. *Elmer* 17234. Isotype.

LOGANIACEAE

Geniostoma laxum Elm. loc. cit. 8 : 2746, 3107, 1915. *Elmer* 12280. Isotype.

Merremia similis Elm. loc. cit. 1 : 335, 1908. *Elmer* 7341. Isotype.

MAGNOLIACEAE

Goniostoma pulgarens Elm. loc. cit. 5 : 1808, 1913. *Elmer* 13197. Isotype.

Kadsura apoensis Elm. loc. cit. 8 : 2748, 1915. *Elmer* 11718. Isotype.

K. sulphurea Elm. loc. cit. 8 : 2750, 1915. *Elmer* 13505. Isotype.

MARANTACEAE

Monophrynium simplex Elm. loc. cit. 1 : 276, 1908. *Elmer* 7611 & 9147. Isosyntypes.

MELASTOMATACEAE

Astronia apoensis Elm. loc. cit. 4 : 1204, 1911. *Elmer* 11427. Isotype.

A. avellanea Elm. loc. cit. 10 : 3649, 1939. *Elmer* 16108. Isotype.

A. bulusanensis Elm. loc. cit. 10 : 3653, 1939. *Elmer* 14979 & 17036. Isosyntypes.

A. cuernosensis Elm. loc. cit. 4 : 1204, 1911. *Elmer* 10234. Isotype.

A. ferruginea Elm. loc. cit. 4 : 1205, 1911. *Elmer* 11426. Isotype.

A. foxworthyi Elm. loc. cit. 8 : 3091, 1919. *Elmer* 17964. Isotype.

Dissochaeta furfurescens Elm. loc. cit. 8 : 2754, 1915. *Elmer* 13352. Isotype.

D. subviridis Elm. loc. cit. 4 : 1193, 1911. *Elmer* 10577. Isotype.

Medinilla antonii Elm. loc. cit. 8 : 2756, 1915. *Elmer* 13633 & 13477. Isosyntypes.

M. attenuata Elm. loc. cit. 4 : 1223, 1911. *Elmer* 11740. Isotype.

M. aurantiflora Elm. loc. cit. 4 : 1208, 1911. *Elmer* 9934. Isotype.

M. bakeri Elm. loc. cit. 10 : 3660, 1939. *Elmer* 14600 & 14913. Isosyntypes.

M. banahaensis Elm. loc. cit. 4 : 1225, 1911. *Elmer* 11466^a Isosyn-
type.

M. bagobo Elm. loc. cit. 4 : 1212, 1911. *Elmer* 11617. Isotype.

M. benguetensis Elm. loc. cit. 4 : 1207, 1911. *Elmer* 8435. Isotype.

M. binaria Elm. loc. cit. 4 : 1211, 1911. *Elmer* 9736. Isotype.

M. bulusanensis Elm. loc. cit. 10 : 3661, 1939. *Elmer* 17386. Isotype.

M. burebidensis Elm. loc. cit. 4 : 1229, 1911. *Elmer* 11839. Isotype.

M. calelanensis Elm. loc. cit. 4 : 1209, 1911. *Elmer* 11406. Isotype.

M. confluentinervia Elm. loc. cit. 4 : 1224, 1911. *Elmer* 11469. Isotype.

M. cordatifolia Elm. loc. cit. 4 : 1224, 1911. *Elmer* 10890^a. Isotype.

M. cuernosensis Elm. loc. cit. 4 : 1221, 1911. *Elmer* 10227. Isotype.

M. elegans Elm. loc. cit. 4 : 1213, 1911. *Elmer* 10900 & 11311. Isosyntypes.

M. erythrotricha Elm. loc. cit. 4 : 1222, 1911. *Elmer* 10537. Isotype.

M. gitingensis Elm. loc. cit. 4 : 1218, 1911. *Elmer* 12417. Isotype.

M. merrillii Elm. loc. cit. 4 : 1219, 1911. *Elmer* 11249. Isotype.

M. pachyphylla Elm. loc. cit. 10 : 3665, 1939. *Elmer* 17094. Isotype. *Elmer* 14976 & 16440. Isoparatypes ?

M. peninsula Elm. loc. cit. 10 : 3667, 1939. *Elmer* 14963 & 16403. Isosyntypes.

M. permicrophylla Elm. loc. cit. 4 : 1230, 1911. *Elmer* 11226. Isotype.

M. pumilis Elm. loc. cit. 4 : 1217, 1911. *Elmer* 10533. Isotype.

M. robinsonii Elm. loc. cit. 4 : 1228, 1911. *Elmer* 9826. Isotype. *Elmer* 11254^a is Isoparatype.

M. rotundifolia Elm. loc. cit. 8 : 2757, 1915. *Elmer* 13738. Isotype.

M. subdolichophylla Elm. loc. cit. 4 : 1220, 1911. *Elmer* 8635. Isotype.

M. umbrina Elm. loc. cit. 4 : 1215, 1911. *Elmer* 11496. Isotype.

M. versicolor Elm. loc. cit. 4 : 1214, 1911. *Elmer* 11824. Isotype.

Melastoma congesta Elm. loc. cit. 4 : 1194, 1911. *Elmer* 12402. Isotype.

M. setosum Elm. loc. cit. 8 : 2758, 1915. *Elmer* 14168. Isotype.

Memecylon agusanensis Elm loc. cit. 8 : 2760, 1915. *Elmer* 13562 & 14181. Isosyntypes.

M. apoense Elm. loc. cit. 4 : 1199, 1911. *Elmer* 11697. Isotype.

M. gigantifolium Elm. loc. cit. 8 : 2762, 1915. *Elmer* 13548. Isotype.

M. gitingense Elm. loc. cit. 4 : 1195, 1911. *Elmer* 12189. Isotype.

M. odoratum Elm. loc. cit. 4 : 1196, 1911. *Elmer* 13140. Isotype.

M. palawanense Elm. loc. cit. 4 : 1197, 1911. *Elmer* 13235. Isotype.

M. sorsogonense Elm. loc. cit. 10 : 3671, 1939. *Elmer* 7361. Isosyntype.

M. terminaliflora Elm. loc. cit. 4 : 1198, 1911. *Elmer* 13060. Isotype.

M. urdanetense Elm. loc. cit. 8 : 2764, 1915. *Elmer* 14113. Isotype.

MELIACEAE

Aglaia agusanensis Elm. loc. cit. 9 : 3275, 1937. *Elmer* 14028. Isotype.

A. antonii Elm. loc. cit. 9 : 3278, 1937. *Elmer* 12835. Isotype.

A. banahaensis Elm. loc. cit. 9 : 3281, 1937. *Elmer* 7522. Isotype.

A. calelanensis Elm. loc. cit. 9 : 3283, 1937. *Elmer* 11804. Isotype.

- A. copelandii** Elm. loc. cit. 9 : 3286, 1937. *Elmer* 14070. Isotype.
- A. cuprea** Elm. loc. cit. 9 : 3287, 1937. *Elmer* 16058. Isotype.
- A. davaoensis** Elm. loc. cit. 9 : 3289, 1937. *Elmer* 10925. Isotype.
- A. longipetiolata** Elm. loc. cit. 9 : 3295, 1937. *Elmer* 11829. Isotype.
- A. merrillii** Elm. loc. cit. 9 : 3289, 1937. *Elmer* 13285. Isotype.
- A. perfulva** Elm. loc. cit. 9. 3302, 1937. *Elmer* 13121. Isotype.
- A. querciflorescens** Elm. loc. cit. 9 : 3303, 1937. *Elmer* 13387. Isotype.
- A. reticulata** Elm. loc. cit. 9 : 3306, 1937. *Elmer* 10735. Isotype.
- A. sibuyanensis** Elm. loc. cit. 9 : 3308, 1937. *Elmer* 12243. Isotype.
- A. sorsogonensis** Elm. loc. cit. 9 : 3310, 1937. *Elmer* 15158. Isotype.
- A. subviridis** Elm. loc. cit. 9 : 3312, 1937. *Elmer* 13609. Isotype.
- A. tarangisi** Elm. loc. cit. 9 : 3314, 1937. *Elmer* 10956. Isotype.
- A. umbrina** Elm. loc. cit. 9 : 3317, 1937. *Elmer* 13770. Isotype.
- A. urdanetensis** Elm. loc. cit. 9 : 3319, 1937. *Elmer* 13668. Isotype.
- Amoora caesifolia** Elm. loc. cit. 9 : 3321, 1937. *Elmer* 13487. Isotype.
- A. conduplicifolia** Elm. loc. cit. 9 ; 3324, 1937. *Elmer* 12195. Isotype.
- Aphanamixis agusanensis** Elm. loc. cit. 9 : 3328, 1937. *Elmer* 13447. Isotype.
- A. apoensis** Elm. loc. cit. 9 : 3326, 1937. *Elmer* 11732. Isotype.
- A. davaoensis** Elm. loc. cit. 9 : 3331, 1937. *Elmer* 11087. Isotype.
- A. obliquifolia** Elm. loc. cit. 9 : 333, 1937. *Elmer* 8924. Isotype.
- A. pulgarensis** Elm. loc. cit. 9 : 3336, 1937. *Elmer* 13104^a. Isotype.
- A. velutina** Elm. loc. cit. 9 : 3338, 1937. *Elmer* 13379. Isotype.
- Chisocheton apoense** Elm. loc. cit. 9 : 3341, 1937. *Elmer* 10884. Isotype.

C. benguetense Elm. loc. cit. 9 : 3343, 1937. *Elmer* 8964. Isotype.

Dysoxylum agusanense Elm. loc. cit. 9 : 3350, 1937. *Elmer* 13628. Isotype.

D. alternifolium Elm. loc. cit. 9 : 3352, 1937. *Elmer* 12826 & 13230. Isosyntypes.

D. apoense Elm. loc. cit. 9 : 3355, 1937. *Elmer* 10736. Isotype.

D. aurantiacum Elm. loc. cit. 9 : 3357, 1937. *Elmer* 9165. Isotype.

D. bakeri Elm. loc. cit. 9 : 3358, 1937. *Elmer* 11565. Isotype.

D. benguetense Elm. loc. cit. 9 : 3360, 1937. *Elmer* 8838. Isotype.

D. foxworthyi Elm. loc. cit. 9 : 3363, 1937. *Elmer* 12823 Isotype.

D. fragrans Elm. loc. cit. 9 : 3365, 1937. *Elmer* 11628 & 10689. Isosyntyptyp.

D. lanceolatum Elm. loc. cit. 9 : 3368, 1937. *Elmer* 12208. Isotype.

D. revolutum Elm. loc. cit. 9 : 3373, 1937. *Elmer* 7250. Isotype.

D. sibuyanense Elm. loc. cit. 9 : 3376, 1937. *Elmer* 13511. Isotype.

D. sorsogonense Elm. loc. cit. 9 : 3378, 1937. *Elmer* 14604. Isotype.

D. sulphureum Elm. loc. cit. 9 : 3380, 1937. *Elmer* 10928. Isotype.

D. testaceus Elm. loc. cit. 8 : 3093, 1919. *Elmer* 17886. Isotype.*

Vavaea ardisioides Elm. loc. cit. 8 : 2767, 1915. *Elmer* 13974. Isotype.

V. surigaoensis Elm. loc. cit. 8 : 2768, 3107, 1915. *Elmer* 13940 & 13636. Isosyntypes.

MORACEAE

Conocephalus warburgii Elm. loc. cit. 1 : 278, 1908. *Elmer* 8973. Isotype.

* Type number referred to in original pub. does not match with no- in sheet but reference made in vol. 9 : 3882 about the number is the same as found in sheet.

- Ficus banahaensis** Elm. loc. cit. 1:252, 1908. *Elmer* 7479. Isoparatype.
- F. benguetense leytensis** Elm. loc. cit. 1 : 194. 362, 1906, *Elmer* 7174. Isotype.
- F. carpenteriana** Elm. loc. cit. 1 : 197, 1906. *Elmer* 7177. Isotype.
- F. latsoni** Elm. loc. cit. 1 : 204, 362, 1906. *Elmer* 7176. Isotype.
- F. linearifolia** Elm. loc. cit. 1 : 257, 1907. *Elmer* 7604. Isoparatype.
- F. lucbanensis** Elm. loc. cit. 1 : 254, 1907. *Elmer* 7632. Isoparatype.
- F. fiskei** Elm. loc. cit. 1 : 195, 1906. *Elmer* 7324. Isotype and *Elmer* 7185. Isoparatype.
- F. inaequifolia** Elm. loc. cit. 1 : 242, 1907. *Elmer* 9362. Isotype.
- F. johnsoni** Elm. loc. cit. 1 : 190, 1908. *Elmer* 7180. Isotype.
- F. merrillii** Elm. loc. cit. 1 : 282, 1908. *Elmer* 8986. Isotype.
- F. ruficaulis paloensis** Elm. loc. cit. 1 : 202, 203, 1906. *Elmer* 7175 and 7165. Isosyntypes.
- F. satterthwaitei** Elm. loc. cit. 1 : 199, 1906. *Elmer* 7181. Isotype.
- F. warburgii** Elm. loc. cit. 1 : 247, 1907. *Elmer* 9376. Isotype.

MYRSINACEAE

- Discocalyx montana** Elm. loc. cit. 2 : 443, 1908. *Elmer* 8816. Isotype.
- D. psychotrioides** Elm. loc. cit. 2 : 442, 1908. *Elmer* 9097. Isotype.
- Maesa embelioides** Elm. loc. cit. 2 : 444, 1908. *Elmer* 7459. Isotype.

MYRTACEAE

- Eucalyptus binacag** Elm. loc. cit. 8 : 2776, 2701, 2915. (**Eugenia binacag** Elm) *Elmer* 13865. Isotype.
- Eugenia abbreviata** Elm. loc. cit. 8 : 2776, 1915. *Elmer* 14263. Isotype.
- E. agusanensis** Elm. loc. cit. 7 : 2357, 1914. *Elmer* 14118. Isotype.

E. angularis Elm. loc. cit. 4 : 1434, 1912. *Elmer* 12080. Isotype.
(in type sheet is **E. angulata** Elm.).

E. antoniana Elm. loc. cit. 4 : 1425, 1912. *Elmer* 11621. Isotype.

E. apoensis Elm. loc. cit. 4 : 1401, 1912. *Elmer* 11594. Isotype.

E. banaba Elm. loc. cit. 4 : 1443, 1912. *Elmer* 12146. Isotype.

E. burebidensis Elm. loc. cit. 4 : 1436, 1912. *Elmer* 11259. Isotype.

E. calvinii Elm. loc. cit. 4 : 1419, 1912. *Elmer* 12869. Isotype.

E. corticopapyracea Elm. loc. cit. 4 : 1405, 1912. *Elmer* 11571.
Isotype.

E. davaoensis Elm. loc. cit. 4 : 1439, 1912. *Elmer* 11342. Isotype.

E. ecostulata Elm. loc. cit. 4 : 1428, 1912. *Elmer* 13102. Isotype.

E. foxworthyi Elm. loc. cit. 4 : 1414, 1912. *Elmer* 11280. Isotype.

E. gitingensis Elm. loc. cit. 4 : 1409, 1912. *Elmer* 12078. Isotype.

E. globosa Elm. loc. cit. 4 : 1404, 1912. *Elmer* 11317 & 11702.
Isosyntypes.

E. incarnata Elm. loc. cit. 4 : 1416, 1912. *Elmer* 13231. Isotype.

E. irosinensis Elm. loc. cit. 10 : 3767, 1939. *Elmer* 15600 & 15274.
Isosyntypes.

E. iwahigensis Elm. loc. cit. 4 : 1417, 1912. *Elmer* 12743. Isotype ?*

E. ixoroides Elm. loc. cit. 4 : 1426, 1912. *Elmer* 13165. Isotype.

E. lambii Elm. loc. cit. 4 : 1430, 1912. *Elmer* 13047. Isotype.

E. livida Elm. loc. cit. 7 : 2349, 1914. *Elmer* 13983. Isotype.

E. lumboy Elm. loc. cit. 4 : 1431, 1912. *Elmer* 12549. Isotype.

E. melastomoides Elm. loc. cit. 4 : 1426, 1912. *Elmer* 11013 & 10750.
Isosyntypes.

E. mainitensis Elm. loc. cit. 4 : 1415, 1912. *Elmer* 11821. Isotype.

* (Note : In literature, however, type no. is 12742, may be printing mistake).

- Eugenia malagasam** Elm. loc. cit. 4 : 1403, 1912. *Elmer* 11838. Isotype.
- E. maquilingensis** Elm. loc. cit. 8 : 3096, 1919. *Elmer* 17882. Isotype.
- E. miquelii** Elm. loc. cit. 4 : 1441, 1912. *Elmer* 11240. Isotype.
- E. obliquinervia** Elm. loc. cit. 10 : 3769, 1939. *Elmer* 16117. Isotype.
- E. panduriformis** Elm. loc. cit. 4 : 1412, 1912. *Elmer* 11246. Isotype.
- E. peninsula** Elm. loc. cit. 10 : 3769, 1939. *Elmer* 15441, 15991, 15968 & 15421. Isosyntypes (4).
- E. purpuricarpa** Elm. loc. cit. 4 : 1435, 1912. *Elmer* 12818. Isotype.
- E. purpuriflora** Elm. loc. cit. 4 : 1432. 1912. *Elmer* 13117 (fruit type) Isosyntype.
- E. sablanensis** Elm. loc. cit. 1 : 328, 1908. *Elmer* 8879. Isotype.
- E. sablanensis-ramulosa** Elm. loc. cit. 4 : 1408, 1912. *Elmer* 11633. Isotype.
- E. silvestrei** Elm. loc. cit. 8 : 3095, 1919. *Elmer* 18011. Isotype.
- E. sinubanensis** Elm. loc. cit. 4 : 1424, 1912. *Elmer* 12325 & 2805. Isosyntypes.
- E. submimica** Elm. loc. cit. 4 : 1438, 1912. *Elmer* 12904. Isotype.
- E. subsulcata** Elm. loc. cit. 8 : 3095, 1919. *Elmer* 18069. Isotype.
- E. topingii** Elm. loc. cit. 4 : 1407, 1912. *Elmer* 11181. Isotype.
- E. urdanetensis** Elm. loc. cit. 7 : 2356, 1914. *Elmer* 13784. Isotype.
- E. vaccinioides** Elm. loc. cit. 7 : 2350, 1914. *Elmer* 13760. Isotype.
- E. vernonioides** Elm. loc. cit. 7 : 2352, 1914. *Elmer* 13826. Isotype.
- E. vidaliana** Elm. loc. cit. 2 : 584, 1909. *Elmer* 9161. Isotype.
- E. viridifolia** Elm. loc. cit. 4 : 1420, 1912. *Elmer* 12975. Isotype.
- Rhodomyrtus surigaoense** Elm. loc. cit. 7 : 2345, 1914. *Elmer* 13709. Isotype.

Tetractomia philippinense Elm. *Elmer* 13702. Isosyntype. (= **Tetractomia tetrandrum** (Roxb.) Merr.)

OLACACEAE

Strombosia minor Elm. loc. cit. 10 : 3770, 1939. *Elmer* 14866. Isotype.

OLEACEAE

Jasminium ixoroides Elm. loc. cit. 2 : 511, 1908. *Elmer* 8731. Isotype.

PANDANACEAE

Freycinetia banahaensis Elm. loc. cit. 1 : 215, 1907. *Elmer* 7902. Isotype.

F. lucbanensis Elm. loc. cit. 1 : 212, 1907. *Elmer* 8230. Isotype.

F. rigida Elm. loc. cit. 1 : 214, 1907 ; 362, 1908. *Elmer* 7847. Isotype.
(**F. hemsleyi** Elm.)

F. villarii Elm. loc. cit. 1 : 213, 1907; 362, 1908. *Elmer* 9007. Isotype.
(**F. confusa** Elm.)

F. warburgii Elm. loc. cit. 1 : 218, 1907. *Elmer* 8229. Isotype.

Pandanus banahaensis Elm. loc. cit. 1 : 79, 1908. *Elmer* 7378. Isotype.

P. muricatus Elm. loc. cit. 1 : 76, 1906. *Elmer* 7201. Isotype.

P. paloensis Elm. loc. cit. 1 : 75, 1906. *Elmer* 7343. Isotype.

P. utilissimus Elm. loc. cit. 1 : 80, 1906. *Elmer* 7379. Isotype.

PASSIFLORACEAE

Passiflora philippinensis Elm. loc. cit. 1 : 326, 1908. *Elmer* 8985. Isotype.

PITTOSPORACEAE

Pittosporum subverticellatum Elm. loc. cit. 8 : 2795, 1915. *Elmer* 12054. Isotype.

POLYGALACEAE

Securidaca atro-violacea Elm. loc. cit. 5 : 1671, 1913. *Elmer* 12774. Isosyntype.

Xanthophyllum floriferum Elm. loc. cit. 5 : 1675, 1913. *Elmer* 12871. Isotype.

X. flavo-virens Elm. loc. cit. 10 : 3776, 1939. *Elmer* 16902. Isotype.

X. multiramum Elm. loc. cit. 5 : 1676, 1913. *Elmer* 8701. Isotype.

X. palawanensis Elm. loc. cit. 5 : 1673, 1913. *Elmer* 12931 & 13170. Isosyntypes.

X. subglobosum Elm. loc. cit. 5 : 1676, 1913. *Elmer* 9470. Isotype.

X. subglobosum var. **longifolium** Elm. loc. cit. 5 : 1677, 1913. *Elmer* 13937. Isotype.

POLYGONACEAE

Polygonum mearnsii Elm. loc. cit. 1 : 289, 1908. *Elmer* 8357. Isotype.

RHAMNACEAE

Ventilago palawanensis Elm. loc. cit. 5 : 1829, 1913. *Elmer* 13224. Isotype.

Zizyphus palawanensis Elm. loc. cit. 5 : 1828, 1913. *Elmer* 12891. Isotype.

ROSACEAE

Photinia urdanetensis Elm. loc. cit. 8 : 2802, 1915. *Elmer* 13694. Isotype.

Pygeum fragrans Elm. loc. cit. 2 : 475, 1908. *Elmer* 7662 & 7504. Isosyntypes.

- Rubus benguetensis** Elm. loc. cit. 1 : 296, 1908. *Elmer* 8383. Isotype.
R. sorsogonensis Elm. loc. cit. 10 : 3777, 1939. *Elmer* 14607. Isotype.

RUBIACEAE

Argostemma quadripetala Elm. loc. cit. 1 : 63, 1906, 361, 1908. *Elmer* 7944. Isotype.

Diplospora sessile Elm. loc. cit. 5 : 1329, 1912. *Elmer* 13139. Isotype.

Dolicholobium hirsutum Elm. loc. cit. 9 : 3247, 1934. *Elmer* 14370. Isotype.

Gardenia segmenta Elm. loc. cit. 4 : 1331, 1912. *Elmer* 13153. Isotype.

Greenea hirsuta Elm. loc. cit. 5 : 1857, 1913. *Elmer* 13476. Isotype.

Ixora filmeri Elm. loc. cit. 4 : 1338, 1912. *Elmer* 12719. Isotype.

I. gigantifolia Elm. loc. cit. 5 : 1864, 1913. *Elmer* 14206. Isotype.

I. intermedia Elm. loc. cit. 4 : 1336, 1912. *Elmer* 12957. Isotype.

I. irosinensis Elm. loc. cit. 9 : 3251, 1934. *Elmer* 17301 & 16480. Isosyntypes.

I. leucocarpa Elm. loc. cit. 4 : 1337, 1912. *Elmer* 12894. Isotype.

I. magnifica Elm. loc. cit. 5 : 1865, 1913. *Elmer* 13424. Isotype.

Lasianthus bulusanensis Elm. loc. cit. 9 : 3252, 1934. *Elmer* 16532. Isotype.

L. copelandii Elm. loc. cit. 5 : 1869, 1913. *Elmer* 14041. Isotype.

L. microphylla Elm. loc. cit. 5 : 1870, 1913. *Elmer* 13790. Isotype.

L. morus Elm. loc. cit. 1 : 73, 1908. *Elmer* 7050. Isotype.

L. sub-membranifolius Elm. loc. cit. 5 : 1871, 1913. *Elmer* 14261. Isotype.

Lucinaea involucrata Elm. loc. cit. 3 : 997, 1911. *Elmer* 11227. Isotype.

Morinda bartlingii Elm. loc. cit. 4 : 1340, 1912. *Elmer* 13037. Isotype.

M. philippinensis Elm. loc. cit. 3 : 1041, 1911. *Elmer* 12460. Isotype.

Myrmecoides sorsogonensis Elm. loc. cit. 9 : 3253, 1934. *Elmer* 15964. Isotype.

Nauclea ategii Elm. loc. cit. 5 : 1877, 1913. *Elmer* 13910. Isotype.

N. formicaria Elm. loc. cit. 3 : 989, 1911. *Elmer* 11034. Isotype.

Ophiorrhiza argostemmoides Elm. loc. cit. 9 : 3254, 1934. *Elmer* 16345. Isotype.

O. ciliata Elm. loc. cit. 9 : 3256, 1934. *Elmer* 17544. Isotype.

O. curtiflora Elm. loc. cit. 5 : 1882, 1913. *Elmer* 14208. Isotype.

O. involucrata Elm. loc. cit. 1 : 351, 1908. *Elmer* 7603. Isotype.

O. pulgarensis Elm. loc. cit. 4 : 1342, 1912. *Elmer* 12949. Isotype.

Pavetta palawanensis Elm. loc. cit. 4 : 1344, 1912. *Elmer* 12940. Isotype.

Plectronia amplifolia Elm. loc. cit. 9 : 3261, 1934. *Elmer* 16739. Isotype.

P. cyanea Elm. loc. cit. 5 : 1887, 1913. *Elmer* 13854. Isotype.

Psychotria agusanensis Elm. loc. cit. 5 : 1888, 1913. *Elmer* 13667. Isotype.

P. arborescens Elm. loc. cit. 3 : 1030, 1911. *Elmer* 11263. Isotype.

P. cuernosensis Elm. loc. cit. 2 : 521, 1908. *Elmer* 10076. Isotype.

P. epiphytica Elm. loc. cit. 5 : 1890, 1913. *Elmer* 14199. Isotype.

P. erythrotricha Elm. loc. cit. 5 : 1891, 1913. *Elmer* 13486. Isotype.

P. gitingensis Elm. loc. cit. 3 : 1024, 1911. *Elmer* 12431. Isotype.

P. lianoides Elm. loc. cit. 3 : 1029, 1911. *Elmer* 11645. Isotype.

P. longipedunculata Elm. loc. cit. 3 : 1027, 1911. *Elmer* 12532. Isotype.

P. ovalis Elm. loc. cit. 3 : 1023, 1911. *Elmer* 10567. Isotype.

P. palawanensis Elm. loc. cit. 4 : 1348, 1912. *Elmer* 12737. Isotype.

P. paloensis Elm. loc. cit. 1 : 65-6, 361, 1908. *Elmer* 7056. Isotype.

P. pyramidata Elm. loc. cit. 4 : 1350, 1912. *Elmer* 13183. Isotype.

P. ramosissima Elm. loc. cit. 1 : 355, 1908. *Elmer* 9178. Isotype.

P. repens Elm. loc. cit. 4 : 1349, 1912. *Elmer* 12991. Isotype.

P. sibuyanensis Elm. loc. cit. 3 : 1028, 1911. *Elmer* 12355. Isotype.

P. similis Elm. loc. cit. 3 : 1025, 1911. *Elmer* 12439. Isotype.

P. sorsogonensis Elm. loc. cit. 9 : 3264, 1934. *Elmer* 16772. Isotype.

P. subalpina Elm. loc. cit. 1 : 64, 1906. *Elmer* 7942. Isotype.

P. urdanetensis Elm. 5 : 1893, 1913. *Elmer* 13703. Isotype.

P. velutina Elm. loc. cit. 5 : 1894, 1913. *Elmer* 13615. Isotype ?*

P. versicolor Elm. loc. cit. 4 : 1348, 1912. *Elmer* 12763. Isotype.

P. vulcanica Elm. loc. cit. 9 : 3265, 1934. *Elmer* 14431 & 16564. Isosyntypes.

Randia ebracteata Elm. loc. cit. 4 : 1354, 1912. *Elmer* 13114. Isotype.

R. favaso-dehiscens Elm. loc. cit. 9 : 3266-7, 1934. *Elmer* 16050. Isotype.**

R. pubifolia Elm. loc. cit. 5 : 1895, 1913. *Elmer* 14060. Isotype.

R. purpuricarpa Elm. loc. cit. 9 : 3267, 1934. *Elmer* 16598 & 15511. Isosyntypes.

Sarcocephalus fluviatilis Elm. loc. cit. 4 : 1357, 1912. *Elmer* 12848. Isotype.

S. multicephalus Elm. loc. cit. 5 : 1896, 1913. *Elmer* 13877. Isotype.

Timonius arborea Elm. loc. cit. 1 : 73, 1906. *Elmer* 7049. Isoparatype.

T. caudatifolius Elm. loc. cit. 5 : 1898, 1913. *Elmer* 14190. Isotype.

* (Though in pub. type number is 13605, but all other data are matching)

** (Distributed as above but published as *Randia alveolata* Elm).

T. epiphyticus Elm. loc. cit. 3 : 1011, 1911. *Elmer* 10706. Isotype.

T. gammillii Elm. loc. cit. 3 : 1013, 1911. *Elmer* 12469. Isotype.

T. palawanensis Elm. loc. cit. 4 : 1360, 1912. *Elmer* 12705. Isotype.

T. urdanetensis Elm. loc. cit. 5 : 1899, 1913. *Elmer* 14197. Isotype.

T. valetonii Elm. loc. cit. 3 : 1012, 1911. *Elmer* 12342. Isotype.

Tricalysia sorsogonensis Elm. loc. cit. 9 : 3269, 1934. *Elmer* 17261. Isotype.

Uncaria brevicarpa Elm. loc. cit. 9 : 3270, 1934. *Elmer* 16842. Isotype.

U. bulusanensis Elm. loc. cit. 9 : 3271, 1934. *Elmer* 14917. Isotype.

U. clavisepala Elm. loc. cit. 1 : 350, 1908. *Elmer* 8262. Isotype.

Urophyllum lucbanense Elm. loc. cit. 1 : 71, 1906. *Elmer* 7945. Isotype.

U. platyphyllum Elm. loc. cit. 3 : 999, 1911. *Elmer* 12363. Isotype.

U. reticulatum Elm. loc. cit. 3 : 999, 1911. *Elmer* 12506. Isotype.

U. urdanetense Elm. loc. cit. 5 : 1900, 1913. *Elmer* 14155, 13788. Isosyntypes.

Wendlandia membranifolia Elm. loc. cit. 1 : 357, 1908. *Elmer* 8946. Isotype.

RUTACEAE

Clausena todayensis Elm. loc. cit. 8 : 2806, 1915. *Elmer* 10553. Isotype.

Evodia arborea Elm. loc. cit. 8 : 2807, 1915. *Elmer* 13159. Isotype.

E. benguetensis Elm. loc. cit. 8 : 2808, 1915. *Elmer* 14276. Isotype.*

E. laxa Elm. loc. cit. 4 : 1509-10, 1912. *Elmer* 12562 Isotype ; *Elmer* 12306 Isoparatype.

* (In publication type number is given 14274 but all other collection data are same as given in sheet).

Glycosmis greenei Elm. loc. cit. 4 : 1512, 1912. *Elmer* 12438. Isotype.

Micromelum curranii Elm. loc. cit. 2 : 480, 1908. *Elmer* 8530. Isotype.

Melicope mindanaensis Elm. loc. cit. 8 : 2809, 1915. *Elmer* 13844. Isotype.

M. monophylla glabra Elm. loc. cit. 8 : 2810, 1915. *Elmer* 13897. Isotype.

Zanthoxylum iwahigense Elm. loc. cit. 5 : 1833, 1913. *Elmer* 12751. Isotype.

SABIACEAE

Meliosma apoensis Elm. loc. cit. 10 : 3784, 1939. *Elmer* 11960. Isotype.

M. cannarioides Elm. loc. cit. 10 : 3785, 1939. *Elmer* 17086 & 16297. Isosyntypes.

M. macrocarpa Elm. loc. cit. 10 : 3786, 1939. *Elmer* 12855. Isotype.

M. sylvatica Elm. loc. cit. 2 : 492, 1908. *Elmer* 9132. Isotype.

M. tongcalingii Elm. loc. cit. 8 : 2815, 1915. *Elmer* 11929. Isotype.

Sabia reticulata Elm. loc. cit. 2 : 579-80, 1909. *Elmer* 10027. Isotype.

SAPINDACEAE

Allophylus leptocladus Radlk. loc. cit. 5 : 1602, 1913. *Elmer* 11957. Isotype.

A. repando-dentatus Radlk. loc. cit. 5 : 1603, 1913. *Elmer* 11827^a. Isotype.

A. simplicifolius Radlk. loc. cit. 5 : 1601, 1913. *Elmer* 11138. Isotype ; *Elmer* 13590. Isoparatype.

A. subinciso-dentatus Radlk. loc. cit. 5 : 1603, 1913. *Elmer* 11728. Isotype.

Dictyoneura sphaerocarpa Radlk. loc. cit. 1 : 209, 1907. *Elmer* 7157. Isotype.

Euphoria gracilis Radlk. loc. cit. 5 : 1606, 1913. *Elmer* 13482. Isotype.

Mischocarpus endotrichus Radlk, loc. cit. 5 : 1615, 1913. *Elmer* 12977. Isotype.

Nephelium robustum Radlk. loc. cit. 5 : 1607, 1913. *Elmer* 12934. Isotype.

N. xerospermoides Radlk. loc. cit. 5 : 1608, 1913. *Elmer* 11205. Isotype.

Trigonachras brachycarpa Radlk. loc. cit. 5 : 1614, 1913. *Elmer* 10949. Isotype.*

SAXIFRAGACEAE

Polyosma cyanea Elm. loc. cit. 5 : 1637, 1913. *Elmer* 13670. Isotype.

P. gitingensis Elm. loc. cit. 5 : 1634, 1913. *Elmer* 12206 & 12437. Isosyntypes.

P. sorsogonensis Elm. loc. cit. 10 : 3790, 1939. *Elmer* 16678, 14693 & 15263. Isosyntypes.

P. urdanetensis Elm. loc. cit. 5 : 1638, 1913. *Elmer* 13793. Isotype.

Spiraeopsis philippinensis Elm. loc. cit. 8 : 2826, 3107, 1915. *Elmer* 14157. Isotype.

SOLANACEAE

Solanum banahaense Elm. loc. cit. 1 : 341, 1908. *Elmer* 7492. Isotype.

STAPHYLEACEAE

Turpinia ovalifolia Elm. loc. cit. 2 : 490, 1908. *Elmer* 8088. Isotype.

* Distributed as *T. apoensis* Elm.

STERCULIACEAE

Sterculia multistipularis Elm. loc. cit. 2 : 497, 1908. *Elmer* 8525. Isotype.

THEACEAE

Adinandra apoensis Elm. loc. cit. 8 : 2833, 3107, 1915. *Elmer* 11265. Isotype.

A. coriacea Elm. loc. cit. 1 : 322, 1908. *Elmer* 7438. Isotype.

A. merrillii Elm. loc. cit. 8 : 2834, 1915. *Elmer* 14088. Isotype.

A. robinsonii Elm. loc. cit. 8 : 2836, 1915. *Elmer* 11461. Isotype.

A. urdanetensis Elm. loc. cit. 8 : 2837, 3107, 1915. *Elmer* 14078. Isotype.

Ternstroemia gitingensis Elm. loc. cit. 4 : 1480, 1912. *Elmer* 12397. Isotype ; *Elmer* 12901. Isoparatype.

Thea reticulata Elm. loc. cit. 8 : 2838, 1915. *Elmer* 13478. Isotype.

TILIACEAE

Grewia banahaensis Elm. loc. cit. 1 : 319, 1908. *Elmer* 7569. Isotype.

UMBELLIFERAE

Hydrocotyle delicata Elm. loc. cit. 2 : 629, 1909. *Elmer* 8895. Isotype.

URTICACEAE

Elatostema laciniatum Elm. loc. cit. 1 : 287, 1908. *Elmer* 9196. Isotype.

E. microphyllum Elm. loc. cit. 1 : 286, 1908. *Elmer* 9149. Isotype.

E. pinnatinervia Elm. loc. cit. 1 : 286, 1908. *Elmer* 9193. Isotype.

E. viridescens Elm. loc. cit. 1 : 285, 1908. *Elmer* 8076. Isotype.

VERBENACEAE

Callicarpa paloensis Elm. loc. cit. 1 : 336, 1908. *Elmer* 7370. Isotype.

Clerodendron klemmei Elm. loc. cit. 2 : 514, 1908 *Elmer* 8679. Isotype.

VIOLACEAE

Alsodeia dubia Elm. loc. cit. 8 : 2875, 1915. *Elmer* 13956. Isotype.

A. formicaria Elm. loc. cit : 5 : 1850, 1913. *Elmer* 12886. Isotype.*

Rinorea fasciculata minor Elm. n. var. loc. cit. 8 : 2877, 1915. *Elmer* 12724. Isosyntype.

R. pulgarensis Elm. loc. cit. 5 : 1849, 1913. *Elmer* 12839. Isotype.

Viola toppingii Elm. loc. cit. 2 : 504, 1908. *Elmer* 8649. Isotype.

VITACEAE

Columella irosinensis Elm. loc. cit. 10 : 3799, 1939. *Elmer* 15526. Isotype.

Leea banahaensis Elm. loc. cit. 1 : 316, 1908. *Elmer* 7509. Isotype.

L. bulusanensis Elm. loc. cit. 10 : 3801, 1939. *Elmer* 17089. Isotype.

L. luzonensis Elm. loc. cit. 8 : 3104, 1919. *Elmer* 17776. Isotype.

L. pauciflora Elm. loc. cit. 8 : 3103, 1919. *Elmer* 18029. Isotype?***

Tetrastigma silvestrei Elm. loc. cit. 10 : 3802, 1939. *Elmer* 14663. Isotype.***

PART : 2 (Bornean types).

A. D. E. Elmer's Bornean type materials are available in the Central National Herbarium. The following is the family-wise list given in

* (Note : distributed as **A. formicardia** Elm. but published as above.

** Note : In publicatinn, type sp. number is 18092. Description and all collection data, however, match with those given in sheet.

*** (Note : distributed as **T. metrilii** Elm.)

alphabetical order. The Bornean plants collected by Elmer have been published by E.D. Merrill in 'Plantae Elmerianae Borneenses' of *University of California Publication in Botany*, vol. 15, 1929, (Univ. Calif. Pub. in Bot. 15 : 1929)

ANACARDIACEAE

Semecarpus scaberula Merr. *Univ. Calif. Pub. in Bot.* vol. 15. pp. 169, 1929.

ANNONACEAE

Oxymitra monilifera Merr. loc. cit. 15 : 73, 1929. *Elmer* 20525. Isotype.

Phaeanthus tephrocarpus Merr. loc. cit. 15 : 68, 1929. *Elmer* 21860. Isotype.

Uvaria confertiflora Merr. loc. cit. 15 : 61, 1929. *Elmer* 21081. Isotype.

U. elmeri Merr. loc. cit. 15 : 61, 1929. *Elmer* 20870. Isotype.

APOCYNACEAE

Willughbeia elmeri Merr. loc. cit. 15 : 253, 1929. *Elmer* 21038. Isotype.

CONNARACEAE

Connarus agamae Merr. loc. cit. 15 : 94, 1929. *Elmer* 20341. Isotype.*

EUPHORBIACEAE

Baccaurea edulis Merr. loc. cit. 15 : 1929. *Elmer* 21783. Isotype.

B. elmeri Merr. loc. cit. 15 : 146, 1929. *Elmer* 21509. Isosyntype.

* Note : Original publication in Merr. *Enum. Born Pl.* but citation is given in Univ. Calif. Pub. in Bot.

B. pendula Merr. loc. cit. 15 : 152, 1929. *Elmer* 21508. Isotype.

B. rostrata Merr. loc. cit. 15 : 150, 1929. *Elmer* 21554. Isotype.

B. trigonocarpa Merr. loc. cit. 15 : 152, 1929. *Elmer* 21525. Isotype.

Cleistanthus acuminatissimus Merr. loc. cit. 15 : 155, 1929. *Elmer* 20969. Isotype.

C. elmeri Merr. loc. cit. 15 : 154, 1929. *Elmer* 21694. Isotype.

Mallotus arboreus Merr. loc. cit. 15 : 159, 1929. *Elmer* 20854. Isotype.

Neoscortechinia coriacea Merr. loc. cit. 15 : 164, 1929. *Elmer* 21078. Isotype.

Trigonostemon elmeri Merr. loc. cit. 15 : 162, 1929. *Elmer* 20936. Isotype.

FAGACEAE

Quercus elmeri Merr. loc. cit. 15 : 43, 1929. *Elmer* 21213. Isotype

GUTTIFERAE

Kayea elmeri Merr. loc. cit. 15 : 199, 1929. *Elmer* 20851. Isotype.

ICACINACEAE

Stemonurus dolichophyllus Merr. loc. cit. 15 : 171, 1929. *Elmer* 21415. Isotype.

LAURACEAE

Actinodaphne myriantha Merr. loc. cit. 15 : 78, 1929. *Elmer* 21335. Isotype.

Alseodaphne elmeri Merr. loc. cit. 15 : 83, 1929. *Elmer* 21164. Isotype.

Cryptocarya elmeri Merr. loc. cit. 15 : 89, 1929. *Elmer* 21402. Isotype.

Litsea pentagona Merr. loc. cit. 15 : 81, 1929. *Elmer* 20666. Isotype.

LECYTHIDACEAE

Barringtonia megistophylla Merr. loc. cit. 15 : 213, 1929. *Elmer* 21823. Isotype.

LEGUMINOSAE

Bauhinia mirabilis Merr. loc. cit. 15 : 103, 1929. *Elmer* 21432. Isotype.

Spatholobus platypterus Merr. loc. cit. 15 : 109, 1929. *Elmer* 21175 & 21398. Isosyntypes.

MELASTOMATACEAE

Kibessia affinis Merr. loc. cit. 15 : 227, 1929. *Elmer* 21478. Isotype.

K. elmeri Merr. loc. cit. 15 : 228, 1929. *Elmer* 21337. Isotype.

MELIACEAE

Aglaia caudatifoliata Merr. loc. cit. 15 : 126, 1929. *Elmer* 21572. Isotype.

A. glabrifolia Merr. loc. cit. 15 : 129, 1929. *Elmer* 21394. Isotype.

A. trimera Merr. loc. cit. 15 : 128, 1929. *Elmer* 20560. Isotype.

Dysoxylum pachyrhache Merr. loc. cit. 15 : 120, 1929. *Elmer* 21692. Isotype.

MORACEAE

Ficus tawaensis Merr. loc. cit. 15 : 48, 1929. *Elmer* 20531. Isotype.

MYRTACEAE

Eugenia elmeri Merr. loc. cit. 15 : 218, 1929. *Elmer* 21448. Isotype.

E. ochneocarpa Merr. loc. cit. 15 : 217, 1929. *Elmer* 21522. Isotype.

E. perpuncticulata Merr. var. **brachythyrsa** Merr. loc. cit. 15 : 220, 1929. *Elmer* 21273. Isotype.

OLEACEAE

Linociera longipetalla Merr. loc. cit. 15 : 249, 1929. *Elmer* 20455. Isotype.

OPILIACEAE

Champereia lanceolata Merr. loc. cit. 15 : 57, 1929. *Elmer* 20679, Isotype.

POLYGALACEAE

Xanthophyllum ellipticum Korth. var. **subcoriaceum** Chod. loc. cit. 15 : 134, 1929. *Elmer* 21710. Isotype.

ROSACEAE

Parianarium borneense Merr. loc. cit. 15 : 93, 1929. *Elmer* 21396. Isotype.

P. elmeri Merr. loc. cit. 15 : 92, 1929. *Elmer*. 20806. Isotype.

RUBIACEAE

Argostemma platyphyllum Merr. loc. cit. 15 : 276, 1929. *Elmer* 21138. Isotype.

Cowiea borneensis Wernh. var. **pubeseens** Merr. loc. cit. 15 : 284, 1929. *Elmer* 20427 and 20493. Isosyntypes.

Lasianthus borneensis Merr. loc. cit. 15 : 292, 1929. *Elmer* 21212. Isotype.

Psychotria tawaensis Merr. loc. cit. 15 : 290, 1929. *Elmer* 21610. Isotype.

Saprosma membranaceum Merr. loc. cit. 15 : 294, 1929. *Elmer* 20441. Isotype.

SABIACEAE

Meliosma elmeri Merr. loc. cit. 15 : 177, 1929. *Elmer* 21578. Isotype.

SAPINDACEAE

Guioa rubrofusca Merr. loc. cit. 15 : 175, 1929. *Elmer* 21277. Isosyn-
types.

Nephelium uncinatum Radlk. loc. cit. 15 : 175, 1929. *Elmer* 21277.
Isosyntype.

STERCULIACEAE

Sterculia elmeri Merr. loc. cit. 15 : 191, 1929. *Elmer* 20563. Isotype.

SYMPLOCACEAE

Symplocos trichophlebia Merr. loc. cit. 15 : 248, 1929. *Elmer* 21124.
Isotype.

TILIACEAE

Microcos elmeri Merr. loc. cit. 15 : 186, 1929. *Elmer* 20911. Isotype.

Pantace concolor Merr. loc. cit. 15 : 188, 1929. *Elmer* 21317. Isotype.

VERBENACEAE

Tejmanniodendron simplicifolium Merr. loc. cit. 15 : 263, 1929.
Elmer 21837. Isotype.

VIOLACEAE

Rinorea borneensis Merr. loc. cit. 15 : 206, 1929. *Elmer* 20807.
Isotype.