New or Noteworthy Trees from Micronesia. XXII.

By

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With 2 Text-figures.

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(209) **Hanguana malayana** MERRILL in Philip. Journ. Sci. Bot. **10** (1915) 3.

Veratronia malayana MIQUEL Fl. Ind. Bat. **3** (1859) 553.

Susum malayanum PLANCHON ex HOOKER f. Fl. Brit. Ind. **6** (1892) 391; LAUTERBACH in ENGL. Bot. Jahrb. **50** (1913) 289.

Hanguana aquatica KANEHIRA in Journ. Nat. Hist. Soc. Formos. **25** (1935) 8, f. 10, Enum. Micr. Pl. (1935) 286, *syn. nov.*

Hab. Palau. *Vern. name:* Choeis. *Distrib.* Malaya and N. New Guinea.

(210) **Oxytenanthera Warburgii** K. SCHUMANN ex VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 457; K. SCHUMANN et K. LAUTERBACH Nacht. Fl. Deutsch. Schutzg. Süds. (1905) 59; HOSOKAWA in Journ. Soc. Trop. Agr. Taihoku **7** (1935) 324, pro parte.

Schizostachyum lima sensu KANEHIRA in Bot. Mag. Tokyo **45** (1931) 273, Enum. Micr. Pl. (1936) 273, pro parte, non MERRILL.

Hab. Yap and Palau. *Distrib.* New Guinea and Key Islands.

(211) **Bentinckiopsis carolinensis** BECCARI in Webbia **5** (1921) 113; ENGL. Bot. Jahrb. **59** (1924) 16; KANEH. in Bot. Mag. Tokyo **45** (1931) 274; BURRET in Notiz. Bot. Gart. Mus. Berl.-Dahlem **12** (1935) 593.

Cyphonokentia (?) *carolinensis* BECC. in ENGL. l. c. **4** (1915) 52.

Exorrhiza carolinensis BURRET, FEDDE Repert. **24** (1926) 296; KANEH. in Bot. Mag. Tokyo **48** (1934) 731.

Hab. Truk. *Distrib.* Endemic.

(212) **Bentinckiopsis ponapensis** BECCARI in Webbia **5** (1921) 113; KANEH. Fl. Micr. (1933) 72, f. 9; BURRET l. c. 594.

Exorrhiza ponapensis BURRET, FEDDE Repert. **24** (1926) 294; KANEH. in Bot. Mag. Tokyo **48** (1934) 732, Enum. Micr. Pl. (1936) 284.

Hab. Ponape. *Distrib.* Endemic.

(213) **Pseudopinanga insignis** (BECC.) BURRET in Notiz. Bot. Gart. Mus. Berl.-Dahlem **13** (1936) 194.

Pinanga insignis BECC. in Philip. Journ. Sci. **2** (1907) 223; Merr. Enum. Philip. Fl. Pl. **1** (1922) 165.

Glubiopsis palauensis sensu KANEH. in Bot. Mag. Tokyo **45** (1931) 274, Fl. Micr. (1933) 76, f. 11, Enum. Micr. Pl. (1936) 284, non BECCARI.

Pinanga micronesica KANEH. in Journ. Jap. Bot. **12** (1935) 635, f. 1.
Hab. Palau. *Distrib.* Philippines.

(214) **Clitandropsis insularis** MARKGRAF in ENGL. Bot. Jahrb. **63** (1930) 281; KANEH. Enum. Micr. Pl. (1936) 396, (fig. 78).

Ad descriptionem addenda: Bacca globosa, circ. 3-4 cm. diametro, aurantiaca intus pulpa carnosa repleta, pulpa nidulantia fusciscentia, semina numerosa, ovato-oblonga vel oblonga vel ovata circ. 1.2-1.4 cm. longa. Albumen carnosum pallide viridescens, cotyledones lineari-oblongae, radícula brevi.

No. 4721 (fr.) Marakal. near Korrer, Palau, S. HATUSIMA, April 7, 1938; no. 4953 (fl.) Ruis Almonogui, Palau, S. HATUSIMA April 14, 1938. A liana, 3 cm. in diameter. *Distrib.* Endemic.

(215) **Kentrochrosia carolinensis** (KANEH.) KANEHIRA et HATUSIMA comb. nov. (fig. 79).

Kopsia carolinensis KANEH. in Bot. Mag. Tokyo **45** (1931) 344, Enum. Micr. Pl. (1936) 395.

Ad descriptionem addenda: Drupa subrhomboidea, complanata, apice longe acuminata basi acuta valide calcarata, canaliculata circ. 3 cm. longa, 1.8 cm. lata, semina compressa, ovato-oblonga, utrinque acuminata circ. 2 cm. longa, 0.8 cm. lata.

No. 4569 (flos & fr.) Gaspan, Babeldaob, Palau, R. KANEHIRA & S. HATUSIMA, April 3, 1938. In thickets at low altitudes. *Distrib.* Endemic.

This is no doubt, most closely allied to *Kentrochrosia monocarpa* LAUT. et K. SCHUM. from New Guinea (Fl. Deutsch. Schutzg. Süds. 506, t. 18). Though we have not seen the specimen of this species, so far as we can judge from the original description and plate, our species seems to differ from it by its different form of its fruit with much shorter spur. The size and form of the leaves are very variable.

(216) **Celtis palauensis** KANEHIRA et HATUSIMA nom. et comb. nov.

Trema integrifolia HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **28** (1938) 154.

No. 4858, Arakabesan, Korrer, Palau, S. HATUSIMA, April 11, 1938.

Fig. 78. *Clitandropsis insularis* MARKGRAF.

A. Branchlet with flowers. $\times \frac{2}{3}$. B. Flower, corolla fallen off. $\times 7$. C. The same in long. section. $\times 8$. D. Ovary in cross section. E. Fruit. $\times \frac{2}{3}$. F. The same in cross section. G. Seed. $\times 1\frac{1}{3}$. H. The same in long. section. $\times 1\frac{1}{3}$.

Fig. 79. *Kentrochrosia carolinensis* KANEH. et HATUSIMA.

A. Branchlet with flowers. $\times \frac{2}{3}$. B. Flower. $\times 1$. C. The same in longitudinal section. $\times 1$. D. Ovary. $\times 4$. E. Stigma. F. Ovary in cross section. G. Fruit. $\times \frac{2}{3}$. H. The same in cross section. $\times \frac{2}{3}$.

Distrib. Endemic.

We have not seen yet neither the flowering nor fruiting specimen, but we do not hesitate to transfer this species to *Celtis*, by its leaf character. Specific name *integrifolia* is preoccupied by *Celtis integrifolia* LAM.

(217) **Psychotria Merrillii** KANEH. in Bot. Mag. Tokyo **46** (1932) 674, Fl. Micr. (1933) 371.

Plectronia polyneura VALETON in ENGL. Bot. Jahrb. **63** (1930) 309.

Plectronia obovata VALETON l. c. **63** (1930) 311, *syn. nov.*

Canthium Valetonii KANEH. in Bot. Mag. Tokyo **46** (1932) 671, Enum. Micr. Pl. (1936) 416, *syn. nov.*

Canthium polyneurum KANEH. in Bot. Mag. Tokyo **46** (1932) 672, **49** (1935) 274, photo. 3, Enum. Micr. Pl. 416.

Hab. Ponape. *Distrib.* Endemic.

(218) **Pseudomorus Brunoniana** (ENDL.) BUR. in DC. Prodr. **17** (1873) 249; DIELS in ENGL. Bot. Jahrb. **69** (1938) 397.

Malaisia scandens (non PLANCH.) KANEH. in Bot. Mag. Tokyo **45** (1931) 227, Fl. Micr. (1933) 92, Enum. Micr. Pl. (1935) 308.

Hab. Saipan. *Distrib.* New Guinea to Polynesia.

(219) **Pisonia cauliflora** SCHEFF. in Tijdschr. Nederl. Ind. **32** (1871) 417; VALETON in ENGL. Bot. Jahrb. **52** (1914) 102.

Calpidia cauliflora HEIMERL in Oesterr. Bot. Zeitschr. **43** (1913) 283.

Pisonia umbellifera sensu KANEH. in Bot. Mag. Tokyo **45** (1931) 278; Fl. Micr. (1933) 100, f. 26, Enum. Micr. Pl. (1936) 316, pro parte-quoad pl. ex Saipan, non FORSTER.

Hab. Marianne Islands. *Distrib.* Moluccas to North-western New Guinea.