The Kanehira-Hatusima 1940 Collection of New Guinea Plants. · IX.

Jisaburo OHWI: **Cyperaceae.**

Received January 30, 1942.

1) **Kyllinga monocephala** ROTTB. Descr. Icon. (1773) 13, t. 4, f. 4; BÖCKLR. in Linnaea 35 (1868) 427; C. B. CLARKE in Hook. f. Fl. Brit. Ind. 6 (1893) 588; SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 194; SURING. in LORENTZ, Nov. Guinea 8 (1912) 695, sub *Cypero*; KÜKENTH. in ENGL. Bot. Jahrb. 59 (1924) 41.

Cyperus Kyllingia ENDL. Cat. Hort. Acad. Vind. 1 (1842) 94; KÜKENTH. in ENGL. Pflanzenreich, Heft 101 (1936) 606.

No. 14139 KANEHIRA-HATUSIMA, Momi, 60 miles south of Manokwari, in edge of rain-forests, 50 m. alt., April 11, 1940.

Distr. Pantropic.

2) **Kyllinga brevifolia** ROTTB. l. c. (1773) 13, t. 4, f. 3; BÖCKLR. in Linnaea 35 (1868) 424; C. B. CLARKE, l. c. 588.

var. **stellulata** (SURINGER) OHWI, comb. nov.

Cyperus brevifolius HASSK. var. *stellulatus* SURINGER Het Gesl. Cyper. Mal. Archip. (1898) 48; KÜKENTH. l. c. (1936) 608 et in ENGLER, Bot. Jahrb. 69 (1938) 257.

No. 13533, 13592 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. sp. Pantropic, var. New Guinea.

3) **Cyperus diffusus** VAHL Enum. Pl. 2 (1806) 321; SCHUM. et LAUT. l. c. (1901) 192; SURINGER in LORENTZ, Nov. Guinea 8 (1912) 697, cum ff.; KÜKENTH. in ENGL. Bot. Jahrb. 59 (1924) 43; forma *celebicus* KÜKENTH., et in ENGLER, Pflanzenreich, H. 101 (1936) 208.

No. 11588 KANEHIRA-HATUSIMA, Nabire, Geelvink Bay, in high rain-forests, 2 m. alt., March 26, 1940. No. 14220 KANEHIRA-HATUSIMA, Waren, 60 miles of Manokwari, in waste plantation, 2 m. alt., April 19, 1940.

Distr. Pantropic.

4) **Cyperus distans** LINN. f. Suppl. (1781) 103; SURINGER, l. c. (1912) 699; KÜKENTH. in ENGL. Bot. Jahrb. 59 (1924) 44 et in Pflanzenr. H. 101 (1936) 138.

No. 13414 KANEHIRA-HATUSIMA, Momi, 60 miles south of Manokwari,

in open waste plantation, 10 m. alt., April 3, 1940.

Distr. Pantropic.

5) **Cyperus Zollingeri** STEUD. Synops. **2** (1855) 17; BÖCKLR. in Linnaea **36** (1870) 352; KÜKENTH. l. c. (1924) 44 et (1936) 133.

No. 13368 KANEHIRA-HATUSIMA, Momi, 60 miles south of Manokwari, in open grass-field along the trail to Lake Angi, 800 m. alt., April 3, 1940.

Distr. Micronesia, Malay Archip., Formosa, India, Africa, Australia.

6) **Cyperus Haspan** LINN. Sp. Pl. (1753) 45; BÖCKLR. l. c. (1868) 574; SURINGER, l. c. (1912) 697; KÜKENTH. l. c. (1936) 247 et (1938) 256.

No. 13581 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. Warmer parts of the World.

7) **Cyperus unioides** R. BR. Prodr. (1810) 216; KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 42 et in Pflanzenreich, Heft **101** (1936) 111.

Cyperus angulatus NEES in WIGHT, Contrib. Bot. Ind. (1834) 73.

No. 13680 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Iray, Lake Giji, 1900 m. alt., April 6, 1940.

Distr. Australia, Malay Archip., Japan.

8) **Cyperus sanguinolentus** VAHL, Enum. Pl. **2** (1806) 351; KÜKENTH. in Pflanzenreich, Heft **101** (1936) 385 (var. *areolatus* KÜKENTH.).

Pycreus sanguinolentus (VAHL) NEES in Linnaea **9** (1834) 283.

No. 13567 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open march by Lake Gita, 1900 m. alt., April 5, 1940.—In Nova Guinea nove detecta.

Distr. Warmer parts of the World.

9) **Cyperus compactus** RETZ. Obs. **5** (1789) 10; KÜKENTH. ll. cc. (1936) 423 et (1938) 256.

Cyperus dilutus VAHL, Enum. Pl. **2** (1806) 357; BÖCKLR. in Linnaea **36** (1869) 354; SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 193; KÜKENTH. l. c. (1924) 45.

Mariscus compactus (RETZ.) DRUCE in Rep. Bot. Exch. Cl. Brit. Isl. 1916 (1917) 634.

No. 14259 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in wet grass-field, 2 m. alt., April 19, 1940.

Distr. Malay Archip., Formosa, China, India Mauritius.

10) **Cyperus cyperinus** (RETZ.) SURINGER, Het Gesl. Cyper. Mal. Archip. (1898) 154; KÜKENTH. l. c. (1936) 518.

Kyllinga cyperina RETZ. Obs. **5** (1791) 21.

Mariscus cyperinus (RETZ.) VAHL, Enum. Pl. **2** (1806) 377.

Cyperus cyperoides subsp. *cyperinus* (VAHL) KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 3 et 46.

No. 13280 KANEHIRA-HATUSIMA, Momi, 60 miles south of Manokwari, in edge of rain-forests, 10 m. alt., March 30, 1940.

Distr. Micronesia, Polynesia, Malay Archip., India, China, Japan.

11) **Cyperus cyperoides** (LINN.) O. KUNTZE, Rev. Gen. Pl. **3**:2 (1898) 333; KÜKENTH. l. c. (1924) 46 et (1936) 514.

Mariscus Sieberianus NEES in Linnaea **9** (1834) 286, nom.; C. B. CLARKE in HOOK. f. Fl. Brit. Ind. **6** (1793) 622.

Scirpus cyperoides LINN. Mant. **2** (1772) 181.

Cyperus Sieberianus (NEES) K. SCHM. in ENGL. Pflanzenwelt Ost Afr. C. (1895) 122 et in SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 193, ex pte.

No. 14261 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in waste plantation, 2 m. alt., April 19, 1940.

Distr. Polynesia, Malay Archip., India, Japan, Africa.

12) **Cyperus ferax** L. C. RICH. in Act. Soc. Hist. Nat. Paris, **1** (1792) 102; SCHUM. et LAUTERB. l. c. (1901) 194; SURINGER, l. c. (1912) 701; KÜKENTH. l. c. (1924) 46 et (1936) 615.

Torulinium ferax (L. C. RICH.) URB. Symb. Ant. **2** (1900) 165.

Torulinium confertum HAM. Prodr. Pl. Ind. Occ. (1825) 15.

No. 14252 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in wet grass-field, 3 m. alt., April 19, 1940.

Distr. Pantropic.

13) **Eleocharis tetraquetra** NEES in WIGHT, Contrib. Bot. Ind. (1834) 113; KÜKENTH. in ENGL. Bot. Jahrb. **69** (1938) 257; SVENSON in Rhodora **41** (1939) 99, ex pte.

var. **micranthera** OHWI, var. nov.

Squamae fusco-purpureae, setae hypogynae aculeolis quam setae latitudine subaequilongis dense retroso-scabrae, antherae $\frac{2}{3}$ mm longae.

No. 13679 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Giji, 1900 m. alt., April 6, 1940; rare.

Distr. spec. Australia, India, Malay Archip., Japan.

14) **Fimbristylis petrogena** OHWI, sp. nov. (*Cymosae*).

Culmi sesquipedales glabri tenues pauci-sulcati, sub apice subcompressi, basi conferte multifoliati, folia culmo multo breviora rigida glabra 2 mm lata crassiuscula margine scabriuscula plana, apice obtusula, vaginae brunneae foliiferae, anthela 3-stachya, bracteis 2 squamiformibus ad 5 mm

longis lanceolatis, spiculae 3, 1 tantum pedicellata, reliquae 2 sessiles, omnes lanceolatae acutae subdense multiflorae leviter angulatae 18–20 mm longae 4 mm latae, pedunculi 15 mm longi laeves compressi, squamae subadpressae castaneo-fulvae 6 mm longae elliptico-ovatae glabrae vix nitidae, dorso convexo vix carinatae, dure membranaceae obsoletissime plurinervulosae, superne crasse obsolete subcarinatae et in cuspidem brevissime excurrentes, margine superne hyalino-membranaceae, stamina 3, achenia deltoideo-obovata trigona leviter compressa griseo-nigra nitida 1 mm longa, cellulis extimis saepe convexis ex toto sparse scabra, stylus 4–5 mm longus trigonus tenuis superne $\frac{1}{4}$ papillosus, superne $\frac{1}{5}$ trifidus.—Affinis videtur *F. lanceolatae* C. B. CLARKE, a qua differt spiculis majoribus, squamis non glandulosis apice cuspidatis, dorso vix viridescens.

No. 13182 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in open rocky grass-field by the sea-shore, 300 m. alt., March 3, 1940; very rare.

15) **Fimbristylis globulosa** (RETZ.) KUNTH, Enum. Pl. 2 (1837) 231; KÜKENTH. l. c. (1924) 49.

Scirpus globulosus RETZ. Obs. 6 (1791) 19.

No. 13683 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Giji, 1900 m. alt., April 5, 1940; rare.

Distr. India, Malay Archip., Micronesia, Japan (var.).

16) **Fimbristylis dichotoma** (LINN.) VAHL, Enum. Pl. 2 (1806) 287; C. E. C. FISCHER in Kew Bull. (1935) 150; OHWI in Journ. Jap. Bot. 14 (1938) 577.

Scirpus dichotomus LINN. Sp. Pl. (1753) 50.

Fimbristylis annua (ALL.) ROEM. et SCHULT. Syst. 2 (1817) 95; KÜKENTH. l. c. (1924) 47.

Scirpus annuus ALL. Fl. Pedem. 2 (1785) 277.

Fimbristylis diphylla (RETZ.) VAHL, l. c.; SCHUM. et LAUTERB. l. c. (1901) 196.

forma **leptophylla** (BENTH.) OHWI, comb. nov.

Fimbristylis diphylla var. *leptophylla* BENTH. Fl. Hongk. (1861) 392.

No. 12000 KANEHIRA-HATUSIMA, Dallmann, 45 miles inward of Nabire, Agathis-forests, 400 m. alt., March 1, 1940. No. 11808 KANEHIRA-HATUSIMA, Chaban, 25 km. inward of Nabire in open grass-field by streams, 150 m. alt., Febr. 28, 1940.

forma **tomentosa** OHWI in Journ. Jap. Bot. 14 (1938) 578.

Fimbristylis annua forma *tomentosa* (VAHL) KÜKENTH. in ENGL. Bot. Jahrb. 59 (1924) 48.

Fimbristylis puberula SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 702.

No. 14260 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in waste plantation, 3 m. alt., April 19, 1940.

Distr. Pantropic.

17) **Bulbostylis capillaris** (LINN.) KUNTH, Enum. Pl. 2 (1837) 211; RENDLE in GIBBS, Phytog. Fl. Arfak Mts. (1917) 89; KÜKENTH. in ENGL. Bot. Jahrb. 69 (1938) 258.

Scirpus capillaris LINN. Sp. Pl. (1753) 49.

No. 13570 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open grass-field by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. Pantropic.

18) **Scirpus inundatus** (R. BR.) POIR. Encycl. Suppl. 5 (1817) 103; BENTH. Fl. Austral. 7 (1878) 329; KÜKENTH. l. c. (1938) 258.

Isolepis inundatus R. BR. Prodr. (1810) 222.

No. 13577 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Gita, 1900 m. alt., April 5, 1940. No. 13592 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open sandy marsh, 1900 m. alt., April 5, 1940. No. 13840 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Iray, Lake Giji, 1900 m. alt., April 8, 1940.

Distr. Australia, New Zealand, Borneo, Philippines.

19) **Scirpus Tabernaemontani** GMEL. Fl. Bad. 1 (1805) 101; KÜKENTH. l. c. (1924) 51.

No. 13831 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Iray, Lake Gita, 1900 m. alt., April 8, 1940.

Distr. Cosmopolitan.

20) **Scirpus Clemensii** (KÜKENTH.) OHWI, comb. nov.

Scirpus mucronatus subsp. *Clemensii* KÜKENTH. in ENGL. Bot. Jahrb. 69 (1938) 259.

Rhizoma breve caespitosum lignosum, culmi fere teretes vel obsoletissime trigoni ca. 1 m alti cinereo-virentes, folia 2-3, summa ad vaginam ca. 30 cm longam ore obliquo brunneo-membranaceam aphyllam reducta, inferiora cataphyllina, inflorescentia glomerata pseudo-lateralis 10-15-spiculosa, bractea culmum continuans erecta 10-15 mm longa inflorescentiam vix conspicue superans laevis, spiculae oblongo-ovatae sessiles 8-12 mm longae acutiusculae pluriflorae, squamae late vel orbiculato-ovatae obtusae vix mucronatae, fusco-purpureae, chartaceae nitidae plurinervulosae dorso concolore unicostatae 3 mm longae glabrae margine vix hyalinae subcilio-

latae, dorso laeves, setae hypogynae 6 vel 5, ferrugineae firmulae parce retroso-scabrae achenio sesqui-longiores, stamina 3, antherae 0.8 mm longae flavidae late lineares, apice connectivo brevi subulato-conico laevi acutiusculo terminatae, stylus 3 mm longus sursum leviter incrassatus praeter basin papillosus, superne $\frac{1}{3}$ trifidus, lobis patentibus, interdum 2 inter se basi connatis, achenia obovata 2 mm longa crasse inaequaliter biconvexa vel angulo tertio obtusissimo subtrigona atrobrunnea nitida obsoletissime transverse rugulosa, margine obtusa, apice humile mucronata.

No. 13549 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open sandy marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. North-eastern part of New Guinea.

21) **Scirpus ternatanus** REINW. ex MIQ. Fl. Ind. Bat. **3** (1856) 307; KÜKENTH. in ENGL. Bot. Jahrb. **69** (1938) 259.

Scirpus chinensis MUNRO in SEEM. Bot. Voy. Herald (1857) 423; SURINGER in Nov. Guin. **8** (1912) 705.

No. 13729 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in inundation area by Iray, Lake Giji, 1900 m. alt., April 7, 1940. No. 13693 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in inundation area by Iray, Lake Giji, 1900 m. alt., April 8, 1940.

Distr. India, China, Japan, Malay Archip.

22) **Lipocarpa senegalensis** (LAM.) DANDY in Journ. Bot. **70** (1932) 331

Scirpus senegalensis LAM. Tabl. Encycl. **1** (1791) 140.

Lipocarpa argentea R. BR. in TUCKEY, Congo Append. (1818) 459; SCHUM. et LAUTERB. l. c. (1901) 197; SURINGER, l. c. (1912) 706.

No. 13550 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open sandy marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. Warmer parts of the Old World.

23) **Lipocarpa microcephala** KUNTH, Enum. Pl. **2** (1837) 268; KÜKENTH. in ENGLER, Bot. Jahrb. **59** (1924) 51.

Hypaelyptum microcephalum R. BR. Prodr. (1810) 220.

Scirpus squarrosus (non LINN.) SCHUM. et LAUTERB. l. c. (1901) 195; SURINGER, l. c. (1912) 705.

No. 14252 KANEHIRA-HATUSIMA, Waren, in wet grass-field, 2 m. alt., April 1940.

Distr. Warmer parts of Asia and Australia.

24) **Rhynchospora rubra** (LOUR.) MAKINO in Bot. Mag. Tokyo **17** (1903) 180; KÜKENTH. l. c. (1924) 52.

Schoenus ruber LOUR. Fl. Cochinchin. (1790) 41.

Rhynchospora Wallichiana KUNTH, Enum. Pl. 2 (1837) 289; SURINGER in LORENTZ, Nov. Guinea 8 (1912) 706.

Rhynchospora Wallichii (NEES) K. SCHUM. in SCHUM. et HOLLR. Fl. Kais. Willh. (1889) 25 et in SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 198.

No. 12925 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in open, dry grass-field, 200 m. alt., March 21, 1940.

Distr. Warmer parts of the Old World.

25) ***Rhynchospora Brownii*** ROEM. et SCHULT. Syst. 2 (1817) 86.

Rhynchospora capitellata (non VAHL) H. PFFIFF. in FEDDE Repert. 49 (1940) 75, quoad pl. asiatic.

Rhynchospora glauca (non VAHL) KÜKENTH. in ENGL. Bot. Jahrb. 69 (1938) 259.

No. 13548a KANEHIRA-HATUSIMA, Angi, Arfak Mts., in sandy marsh by Lake Gita, 1900 m. alt., April 5, 1940.

var. ***condensata*** (KÜKENTH.) OHWI, comb. nov.

Rhynchospora glauca var. *condensata* KÜKENTH. in ENGL. Bot. Jahrb. 69 (1938) 259.

No. 13562 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open sandy marsh by Lake Gita, 1900 m. alt., April 5, 1940.—Forsan forma anomala inflorescentia condensata.

Distr. spec. Warmer parts of the Old World.

26) ***Rhynchospora chinensis*** NEES et MEYEN ex NEES in WIGHT, Contr. (1834) 115, emend BÖCKLR. in Linnaea 37 (1873) 586.

Rhynchospora glauca var. *chinensis* C. B. CLARKE in HOOK. f. Fl. Brit. Ind. 6 (1893) 672; MERR. Enum. Philipp. Fl. Pl. 1 (1922) 130.

No. 13548, KANEHIRA-HATUSIMA, Angi, Arfak Mts., in sandy marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. China, Japan, India, Malay.

27) ***Schoenus erythrosiphon*** OHWI, sp. nov. (*Laxi*).

Rhizoma abbreviatum laxe caespitosum, culmi 20–30 cm alti tenues simplices vel e nodo inferiore breviter ramosi, 3–5-nodi, inferiores ex toto vaginis tecti, sub inflorescentia tantum paullo exserti, laeves sulcati, folia filiformia canaliculata 10–15 cm longa $\frac{1}{3}$ – $\frac{2}{3}$ mm lata laevia erecta subtus costata, vaginae rubro-purpureae ca. 2.5 cm longae imberbes striatae ore truncatae, panícula angusta racemosa 10–15 cm longa interrupta, 3–4-bracteata, spiculae 2–4-nae inaequaliter longe pedicellatae simplices late lanceo-

latae biflorae 4–5 mm longae atro-rubro-purpureae glabrae 6-squamae, bracteae foliiformes, axi pedicellisque parce scabra, squamae 4 inferiores vacuae minores, 2 superiores homomorphae majores late lanceolatae obtusulae glabrae 3.5 mm longae, dorso viridi superne carina scabrae, setae 6 albae tenues achenio parum longiores praeter basin antrorsus scabrae, stamina 3, antherae lineares 1 mm longae, connectivo apice elongato-mamillato glabro concolore (flavido) obtuso, stylus 3 mm longus tenuis, ad medium usque trifidus, lobis papillosis, achenium ellipticum albidum obtuse trigonum 1 mm leviter superans obsoletissime tessellatum vel fere laeve, glabrum.—A *Sch. curvulo* differt, culmo 3–5-nodoso, foliis non curvulis, spiculis minoribus, connectivo antherae brevi, et a *Sch. philippinensi* KÜKENTH., spiculis omnibus pedicellatis.

No. 13856 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in banks of Iray River, Lake Giji, 1900 m. alt., April 8, 1940; very rare.

28) **Schoenus fusco-guttatus** OHWI, sp. nov. (*Laxi*).

Perdense caespitosa estolonifera, culmi 40–50 cm alti tenues firmi teretes laeves basi vaginis atropurpureis tecti nudi vel supra basin 1-nodi, folia 10–20 cm longa stricta fere 1 mm lata supra canaliculata dorso teretia, laevia, vaginae 2–3 cm longae atropurpureae ore barbatae oblique fissae, inflorescentia recemosa 10–20 cm longa 2–3-bracteata valde interrupta, spiculae singulae vel binae simplices longe pedicellatae modice compressae 8–9-squamae biflorae 8–10 mm longae fuscae opacae, bracteae 5–10 mm longae aphyllae tubulosae atropurpureae ore brevipilosae (lamina decidua terminatae ?), pedicelli scaberuli, squamae acutiusculae fusco-ferrugineae fusco-guttatae pilosulae sed demum praeter marginem glabrescentes carina vix acuta subconcolores, inferiores ovatae, superiores fertiles late lanceolatae, setae nullae, stamina 3, antherae fere 5 mm longae lineares apice connectivo subulato $\frac{1}{2}$ mm longo rubro-fusco acuto subserrulato terminatae, stylus 7 mm longus praeter inferiorem papilloso-pilosulus superne $\frac{1}{2}$ trifidus, achenium immaturum.—Affinis videtur *Sch. neo-guinensi* KÜKENTH., a quo foliis brevibus, vaginis ore barbatis, spiculis 8–9-squamatis differt.

No. 13163 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, common in open dry, rocky grass-field, 100 m. alt., March 26, 1940. *Type*. No. 12924 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in open dry rocky grass-field, 300 m. alt., March 21, 1940.—Planta nimis juvenilis, bracteis longe laminatis, foliis saepe leviter curvulis, videtur eadem.

29) **Schoenus laevinux** (KÜKENTH.) OHWI in Journ. Japan. Bot. 18 (1942) 136.

Schoenus tendo var. *laevinux* KÜKENTH. in FEDDE Repert. **44** (1938) 30 et in ENGL. Bot. Jahrb. **69** (1938) 259.

Schoenus melanostachyus var. *laevinux* KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 52.

No. 13554 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open grass-field by Lake Gita, 1900 m. alt.; April 5, 1940. No. 14109 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open grass-field by Lake Gita, 1900 m. alt., April 10, 1940.

Distr. Micronesia, New Guinea.

30) ***Schoenus calostachyus*** (R. BR.) POIR. Encycl. Suppl. **2** (1811) 251; SURINGER in LORENTZ, Nov. Guinea **8** (1912) 787; OHWI in Bot. Mag. Tokyo **45** (1931) 188; KÜKENTH. in FEDDE Repert. **44** (1938) 73.

Chaetospora calostachya R. BR. Prodr. (1810) 233.

No. 13162 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari, in open dry grass-field, 400 m. alt., March 26, 1940, fairly common. No. 12956 KANEHIRA-HATUSIMA, Waren, in open dry grass-field, 300 m. alt., March 21, 1940.

Distr. Australia, Malay Archip., Micronesia, Japan, India.

31) ***Lepidosperma striatum*** R. BR. Prodr. (1810) 235; STEUD. Synops. **2** (1855) 158; BENTH. Fl. Austral. **7** (1878) 399.

Nos. 13555, 13678 KANEHIRA-HATUSIMA, Angi, Arfak Mts., fairly common in open marsh by Lake Gita, alt. 1900 m. alt., April 5, 1940.—Species ad Floram Novae Guineae nova.

Distr. Australia.

32) ***Gahnia javanica*** ZOLL. et MOR. Verz. Pfl. (1845–46) 98; SURINGER, l. c. (1912) 708.

var. ***paupercula*** KÜKENTH. in ENGL. Bot. Jahrb. **69** (1938) 260.

No. 14020 KANEHIRA-HATUSIMA, Angi, Arfak Mts., on burnt summit of Mt. Koebré, 2200 m. alt., April 9, 1940; very rare.

Distr. spec. Malay Archip., China, Polynesia.

33) ***Gahnia psittacorum*** LABILL. Nov. Holl. Pl. **1** (1804) 89, t. 115; BENTH. Fl. Austral. **7** (1878) 418; RENDLE in GIBBS, Contrib. Phytog. Fl. Arfak Mts. (1917) 91.

No. 14075 KANEHIRA-HATUSIMA, Angi, Arfak Mts., on open burnt summit of Mt. Koebré, 2200 m. alt., April 9, 1940; very abundant. No. 13130 KANEHIRA HATUSIMA, Waren, 60 miles south of Manokwari, in edge of rocky forests, 1 m. alt., March 26, 1940.

Distr. Australia and Tasmania.

34) **Cladium chinense** NEES in Linnaea 9 (1834) 301 et in Nov. Act. Nat. Cur. 19, suppl. 1 (1843) 116.

Cladium germanicum (non SCHRAD.) RENDLE in GIBBS, Phytog. Fl. Arfak Mts. (1917) 90.

No. 13557 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in sandy march by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. Warmer parts of Asia and Australia.

35) **Cladium articulatum** R. Br. Prodr. (1810) 237; BENTH. Fl. Austral. 7 (1878) 403.

No. 14007 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Gita, 1900 m. alt., April 9, 1940; very rare.—In Nova Guinea nove detecta.

Distr. Australia.

36) **Cladium arfakense** RENDLE in GIBBS, Phytog. Fl. Arfak Mts. (1917) 90.

No. 13551 KANEHIRA-HATUSIMA, Angi, Arfak Mts., fairly abundant in open marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. So far known only from New Guinea.

37) **Cladium Iris** OHWI, sp. nov. (*Vincentia*).

Culmi 120 cm alti subcompressi glaucescentes laeves basi foliati, folia distiche imbricata equitantia ensiformia culmo breviora 1–1.2 cm lata laevia apice acuta striata, exteriora breviora vel aphylla, vaginae compressae striatae, margine superne dense papillosae, intima longissima culmum amplexans fere 60 cm longa apice brevilaminata, panicula 20 cm longa, partiales 3 ovata densa 5–7 cm longa, bractearum vaginae breves ampliatae margine ciliatae brevilaminatae, rami ciliati, bracteolae deltoideo-ovatae acuminatae vel cuspidatae 4–5 mm longae, spiculae sessiles fusco-purpureae opacae 4-squamae biflorae 6 mm longae fasciculatae, squamae lanceolatae oblongae subcoriaceae concolores acutae plurinervulosae, stamina 3, antherae 2.5–3 mm longae apice breviter subulato-productae, ovarium lanceolatum utrinque attenuatum triquetrum, glabrum, stylus tenuis inferne glaber 6–7 mm longus, ad medium usque trifidus ramis papillosis.—Habitu affine *Cl. angustifolii* DRAKE.

No. 13556 KANEHIRA-HATUSIMA, Angi, Arfak Mts., fairly common in open marsh by Lake Gita, 1900 m. alt., April 5, 1940.

38) **Cladium Gaudichaudii** W. F. WIGHT in Contr. U. S. Nat. Herb. 9 (1905) 230.

Cladium Meyenii (KUNTH) DRAKE var. *Gaudichaudii* (W. F. WIGHT) KÜKENTH. in ENGLER, Bot. Jahrb. **69** (1938) 260.

Cladium mariscoides (GAUDICH.) F. VILL. Nov. App. 1882 309; SCHUM. et LAUTERB. l. c. (1901) 198; SURINGER, l. c. (1912) 707, non TORR.

No. 11914 KANEHIRA-HATUSIMA, Patema, Nabire, on banks of Boemi River, 400 m. alt., Febr. 29, 1940; rare.

Distr. Micronesia, New Guinea.

39) **Remirea maritima** AUBL. Pl. Gui. **1** (1775) 45; BENTH. Fl. Austral. **7** (1878) 347 (var. *pedunculata* BENTH.); SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 198; SURINGER in Nov. Guinea **8** (1912) 708; KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 53.

No. 12853 KANEHIRA-HATUSIMA, Nabire, Geelvink Bay, in strand forests, March 13, 1940.

Distr. Pantropic.

40) **Hypolytrum latifolium** L. C. RICH. in Pers. Synops. **1** (1805) 70; SCHUM. LAUTERB. l. c. (1901) 191; SURINGER, l. c. 709; KÜKENTH. l. c. (1924) 53, et (1938) 261.

var. **depauperata** OHWI, var. nov.

Folia angusta, spiculae pauciores.

No. 12001 KANEHIRA-HATUSIMA, Dallmann, Nabire, in *Agathis*-forests, 400 m. alt., March 1, 1940.

Distr. sp. India, Malay Archip., Formosa, Micronesia, Polynesia.

41) **Hypolytrum compactum** NEES in Linnaea **9** (1834) 288 et in Nov. Act. Acad. Nat. Cur. **19**, suppl. 1 (1843) 73; KÜKENTH. l. c. (1924) 53, et (1938) 261.

No. 12085 KANEHIRA-HATUSIMA, Dallmann, Nabire, in edge of *Agathis*-forests, 400 m. alt., March 1, 1940. No. 11943 KANEHIRA-HATUSIMA, Patema, Nabire, in rain-forests, 300 m. alt., Feb. 29, 1940.

Distr. India, Malay Archip., Philippines.

42) **Thoracostachyum montanum** (K. SCHUM.) SURINGER, in LORENTZ, Nov. Guinea **8** (1912) 710; KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 54.

Mapania montana K. SCHUM. in SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 189.

Hypolytrum parvibracteatum var. *quadriglumatum* SURINGER, l. c. 709, t. 116.

No. 11997 KANEHIRA-HATUSIMA, Patema, Nabire, in *Agathis*-forests,

altitude 400 m., March 5, 1940. No. 12363 KANEHIRA-HATUSIMA, Patema, Nabire, in rain-forests, fringing Boemi River, 300 m. alt., March 5, 1940.

Distr. So far known only from New Guinea.

43) **Thoracostachyum macilentulum** OHWI, sp. nov.

Rhizoma crassum caespitosum, culmi laterales 30 cm alti graciles laeves trigoni opaci medio 2-vaginati, basi vaginis paucis aphyllis tecti, vaginae mediae 2–3 cm longae subpapulosae aphyllae cum culmisque stramineae, folia innovationes ca. 60 cm longa 7–8 mm lata subrigida, pallide virentia apice sensim angustata, utrinque striata, marginibus concoloria vix incrassata scabra, basi leviter angustata, vaginae castaneae nitidae, anthela 3 cm lata 2 cm longa, bracteis lanceolatis ad 5 mm longis, anthelulis 3–4, terminali sessili, radiis patentibus 3–4-stachyis, bracteolis squamiformibus, spiculae primo oblongae demum globoso-ellipticae 4–5 mm longae 4 mm latae fuscae praeter terminalem pedicellatae, squamae ellipticae obtusae uninerviae vix 1.5 mm longae, squamellae 2 exteriores laterales naviculares dorso ciliatae, 1 mm vix excedentes, 3 interiores planae aequilongae glabrae, 1 mediana, 2 laterales, achenia trigono-ovata vix 2 mm longa glabra fusca medio latissima apice conica, basi contracta, staminum antherae $\frac{1}{2}$ mm longae muticae. —A *Th. montano*, cui maxime affine, differt omnibus partibus tenuioribus minus rigidis, culmis, foliis, spiculisque non rubro-purpurascentibus, spiculis minus pluribus.

No. 11793 KANEHIRA-HATUSIMA, Chaban, Nabire, in rain-forests, 100 m. alt., March 28, 1940.

44) **Thoracostachyum bancanum** KURZ in Tijdsch. Nat. Verrn. Ned. Ind. **27** (1864) 224 et in Bot. Zeitung **23** (1865) 204; C. B. CLARKE in Hook. f. Fl. Brit. Ind. **6** (1894) 680.

No. 12143 KANEHIRA-HATUSIMA, Dallmann, Nabire, in *Agathis*-forests, alt. 400 m., March 2, 1940.

Distr. Malay Archip., Malay Penins.

45) **Mapania geelvinkensis** OHWI, sp. nov. (*Cephaloscirpus*).

Robusta, culmi 50 cm alti basi vel supra basin bifoliati obtuse triquetri laeves 5 mm diam., folia 80 cm longa coriacea 4 cm lata plana margine et costa subtus superne aculeolato-scabra, supra bicostata, basi sensim in vaginam angustata, apice abrupte contracta et ut videtur subulato-producta, caput globosum 5 cm diam. multispicatum, bractee 3 reflexae, infima maxima folii similis 30 cm longa 4.5 cm lata, spica ovato-oblonga 3 cm longa cinereo-brunnea, bracteolae lanceolato-lineares 10–12 mm longae obtusulae, membranaceae nervulosae glabrae brunnescentes, squamellae lineares

brunneae 15 mm longae, achenia obovoidea obsolete trigona brunnea obsolete ruguloso-scabridula cum stipite 2 mm longo 7 mm longa opaca, basi angustata, apice abrupte in stylum tenuem 10 mm longum abientia, stigmata brevia.—Species majuscula, a sequente specie diversa foliis apice abrupte contractis, latoribus, spicis majoribus, achenio longiore, apice vix rostrata.

No. 11541 KANEHIRA-HATUSIMA, Nabire, Geelvink Bay, in high rain-forests, 2 m. alt., Feb. 25, 1940.

46) **Mapania margaritae** OHWI, sp. nov. (*Cephaloscirpus*).

Culmi ca. 20 cm alti centrales nudi triquetri laevis 4–5 mm diam., folia 90–120 cm longa 2–2.5 cm lata rigida, supra bicostata, apice sensim angustata, margine aculeolato-scabra basi vix angustata, caput globosum 3 cm diam., fusco-brunneum plurispicatum, bracteae 2 foliaceae ad 50 cm longae 2.5 cm latae patentes, spicae 15–20 mm longae, bracteolae squamellaeque marcidiae brunneae membranaceae, achenia ellipsoidea inflata margaritaceo-nitida 3 mm longa glabra, exocarpio brunneo glabro, stipite 2 mm longo persistente crasse obconico margine rotundato, stipitata, rostro lineari fere 3 mm longo terminata.—Affinis *M. lactea* a qua differt foliis angustis, culmis laevibus nudis, spicis majoribus.

No. 13152 KANEHIRA-HATUSIMA, Waren, in strand forests, 2 m. alt., March 26, 1940.

47) **Mapania macrocephala** (GAUDICH.) K. SCHUM. ex WARB. in ENGL. Bot. Jahrb. **13** (1891) 295; SCHUM. et LAUTERB. Fl. Deutsch. Schutzg. Süds. (1901) 189; SURINGER in LORENTZ, Nova Guinea **8** (1912) 711; KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 56.

Hypolytrum macrocephalum GAUDICH. Bot. Freyc. Voy. (1826) 414.

No. 13232 KANEHIRA-HATUSIMA, Waren, in poorly drained rain-forests, 10 m. alt., March 27, 1940.

Distr. Moluccas, Philippines, Bismark Archip.

48) **Mapania longirostris** KÜKENTH. in ENGL. Bot. Jahrb. **59** (1924) 55.

No. 12025 KANEHIRA-HATUSIMA, Dallmann, Nabire, on shady banks of river, in *Agathis*-forests, 450 m. alt., March 2, 1940.

Distr. So far known only from New Guinea.

49) **Mapania grandiceps** KÜKENTH. l. c. (1924) 55.

No. 12352 KANEHIRA-HATUSIMA, Patema, Nabire, in dense rain-forests fringing Boemi River, 300 m. alt., April 5, 1940.

Distr. So far known only from New Guinea.

50) **Mapania cuspidata** UITT.

var. **petiolata** UITT. in Journ. Arn. Arb. **20** (1939) 213.

Mapania petiolata C. B. CLARKE in Kew Bull. add. ser. **8** (1908) 54;
KÜKENTH. l. c. **69** (1938) 261.

Mapania humilis SURINGER, Nova Guinea **8** (1912) 711; KÜKENTH. l. c.
(1924) 56, non-NAVES.

Nos. 12316, 12181 KANEHIRA-HATUSIMA, Dallmann, Nabire, in *Agathis*-
forests, 450 m. alt., March 2, 1940.

Distr. Malay Penins., Borneo.

51) **Mapania Ledermannii** KÜKENTH. in ENGL. Bot. Jahrb. **59**
(1924) 57.

No. 12253 KANEHIRA-HATUSIMA, Dallmann, Nabire, in *Agathis*-forests,
400 m. alt., March 3, 1940.—*Planta nimis juvenilis*.

Distr. So far known only from New Guinea.

52) **Scleria lithosperma** (LINN.) Sw. Prodr. (1788) 18; SURINGER,
l. c. (1912) 711; KÜKENTH. l. c. **59** (1924) 58.

Scirpus lithospermus LINN. Sp. Pl. (1753) 51.

No. 13193 KANEHIRA-HATUSIMA, Waren, 60 miles south of Manokwari,
in high rain-forests, 10 m. alt., April 27, 1940.

Distr. Pantropic.

53) **Scleria bancana** MIQ. Fl. Ind. Bat. Suppl. (1862) 693; SURINGER,
l. c. (1912) 712; KÜKENTH. in ENGL. Bot. Jahrb. **69** (1938) 261.

No. 12964 KANEHIRA-HATUSIMA, Waren, on edge of rain-forests, 5 m.
alt., April 21, 1940.

Distr. India, Malay Archip., Micronesia.

54) **Scleria hebecarpa** NEES in WIGHT, Contr. (1834) 117; SURINGER;
l. c. (1912) 712; KÜKENTH. l. c. (1924) 58.

No. 13202 KANEHIRA-HATUSIMA, Waren, in open dry grass-field, 100 m.
alt., April 27, 1940; rare.

Distr. Australia, Malay Archip., India, Japan, Micronesia.

55) **Scleria scrobiculata** NEES in WIGHT, Contr. (1834) 117; SCHUM.
et LAUTERB. l. c. (1901) 198; SURINGER, l. c. (1912) 712; KÜKENTH. in ENGL.
Bot. Jahrb. **59** (1924) 58.

Scleria keyensis K. SCHUM. in ENGL. Bot. Jahrb. **13** (1891) 267.

No. 13129 KANEHIRA-HATUSIMA, Waren, in strand forests, 3 m. alt.,
March 26, 1940.

Distr. Malay Archip., Philippines.

56) ?**Scleria levis** RETZ. Obs. 4 (1786) 13.

forma **villosa** SURINGER, Nov. Guinea 8 (1912) 712; KÜKENTH. l. c. 59 (1924) 58.

No. 13367 KANEHIRA-HATUSIMA, Momi, 60 miles south of Manokwari, on edge of forest, 100 m. alt., April 3, 1940.—Planta elata, folia pseudoternata, vaginae angustissime alatae vel exalatae, paniculae partiales laxae amplae purpurascens, bractae secundariae filiformes elongatae, achenia matura non visa, juventute glabra, discus trilobus, lobis deltoideis ferrugineis dentatis.

Distr. spec. Malay Archip., India.

57) **Scleria Motleyi** C. B. CLARKE in Philipp. Journ. Soc. 2 (1907) Bot. 104, MERR. Enum. Philipp. Fl. Pl. 1 (1922) 134.

No. 13075 KANEHIRA-HATUSIMA, Waren, in strand forests, on rocky slope, 3 m. alt., March 23, 1940.—In Nova Guinea adhuc non reperta.

Distr. Borneo, Malay Penins., Philippines.

59) **Uncinia riparia** R. BR. Prodr. (1810) 241; KÜKENTH. in ENGL. Pflanzenreich, Cyper.-Caric. (1909) 63 et in ENGL. Bot. Jahrb. 59 (1924) 59, et 69 (1938) 261.

No. 13850 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in mossy forests, fringing Iray River, Lake Giji, 1900 m. alt., April 8, 1940; very rare.

Distr. Australia, New Caledonia.

59) **Carex subfilicina** OHWI, sp. nov. (*Indicae-Hispidualae* KÜKENTH.).

Rhizoma subelongatum, culmi obtusanguli uninodi laeves angulo obtusi, folia culmum subaequantia rigidula plana scabra supra bicostata 4–6 mm lata, vaginae atrobrunneae subdissolutae, paniculae partiales 3 vel 4, infima remota, ovato-triangularis 4–5 cm longae ramis rhachique scabrae, spiculae androgynae patentes oblongo-ovatae 8–10 mm longae, parte mascula ca. 3 mm longa, squamae femineae late ovatae plurinervulosae rubro-purpurascens superne albo-hyalinae dorso superne pilosulae, apice aristatae, utriculi squamis multo longiores oblique patentes sursum excurvi 3.5–4 mm longi ovati trigoni vix inflati membranacei praeter dorsum subnervem pluricostati praesertim in marginibus e medio patule hispiduli brunnei, apice abrupte attenuati in rostrum mediore planiusculum ore hyalino bidentulum, stigmata 3 tenuia brevissima.—Habitu *C. filicinae*. *C. ceylanicae* videtur proxima, a qua tamen squamis aristatis diversa.

No. 13815 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in secondary forests, fringing Iray River, Lake Giji, 1900 m. alt., April 8, 1940. *Typus*.

No. 13429 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in forest, 1200 m.

alt., April 4, 1940; rare.—Ob utriculos omnino deciduos, haec planta aegre determinanda est, quoad habitu optime cum specie mea congruit.

60) **Carex appressa** R. BR. Prodr. (1810) 242; KÜKENTH. ll. cc. (1909) 178 et (1939) 261.

No. 13830 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Gita, 1900 m. alt., April 5, 1940.

Distr. Australia, New Zealand, New Caledonia.

61) **Carex oedorrhampha** NELMES in Kew Bull. (1939) 659.

var. **arfakiana** OHWI, var. nov.

Spiculae omnes, vel ima excepta, congestae subaequaltae, squamae masculae piloso-scabrae.

No. 13922 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in forests by Iray, Lake Giji, 1900 m. alt., April 7, 1940.—Species in Nova Guinea adhuc non reperta.

Distr. spec. India, China.

62) **Carex phacota** SPR. System. 3 (1826) 826; KÜKENTH. l. c. (1909) 350; OHWI in Mem. Coll. Sci. Kyoto Imper. Univ. ser. B, 11: 5 (1936) 296.

No. 13921 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Iray, Lake Giji, 1900 m. alt., April 8, 1940; fairly common.

Distr. India, Malay Archip., Japan.

63) **Carex Pandanus** OHWI, sp. nov. (*Acutae*).

Rhizoma caespitosum et videtur estoloniferum, culmi validuli 50–60 cm alti enodosi sursum angulo parce scabri, folia rigidula elongata complicata margine scabra 3–5 mm lata culmo breviora, vaginae basilares aphyllae fuscae subcarinatae reticulatim fissae, spiculae 10–11, omnes vel summa interdum mascula excepta androgynae singulae simplices vere cylindricae 3–6 cm longae brevipedunculatae cernuae contiguae, parte mascula 1–2 cm longa 1–1.5 mm lata, parte feminea perdense multiflora 5 mm lata basi minime attenuata, bracteae inferiores culmum longe superantes evaginatae, squamae femineae patentissimae oblongo-ovatae acutiusculae muticae atrofuscae subtrinnerviae margine anguste hyalinae, utriculi squamas longe superantes latiores horizontaliter patentes compresse biconvexi tenuiter sed elevato-multicostulati obovati 2.5 mm longi straminei sursum sordide brunnescentes dure membranacei opaci glabri marginati, basi sensim, apice abrupte contracti, sessiles, rostro brevissimo latiusculo ore integro apiculati, achenia arcte implentia sessilia apice stylo brevi basi appressa firma terminata, stigmata 2 brevia tenuia.—Species certe vicina *C. Darwinii*.

A *C. Graeffeana* BÖCKL. quae secundum cl. KÜKENTHAL ad sect. *Fecundas* pertinet, differt ex descriptione, culmo nudo enodoso, spiculis simplicibus singulis, utriculis 2.5 mm longis vere obovatis laevibus biconvexis stramineis.

No. 13732 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in inundation area of Iray River, Lake Giji, 1900 m. alt., April 8, 1940; very rare.

64) **Carex Gaudichaudiana** KUNTH, Enum. Plant. 2 (1837) 417; KÜKENTH. l. c. (1909) 312, et l. c. (1939) 264 (var. *humilior* KÜKENTH.).

No. 13535 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Lake Gita, 1900 m. alt., April 5, 1940; rare. No. 13828 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in open marsh by Iray, Lake Giji, 1900 m. alt., April 8, 1940; common.

Distr. Australia.

65) **Carex spadiceo-vaginata** OHWI, sp. nov.

Rhizoma breviter ascendens, caespitosum, culmi 70 cm alti, tenues trigoni scabri, folia culmum aequantia rigidula 2 mm lata aspera longe attenuata, vaginae basillares coriaceae spadiceae valde reticulatim fissae, spiculae plures binae ternae saepe ramulosae exserte pedunculatae 15–20 mm longae vix 2 mm latae laxae pluriflorae-androgynae, parte mascula 3–5 mm longa pauciflora, bracteae inferiores foliaceae culmo subaequilongae vaginatae, superiores breves subsetaceae, squamae oblongae obtusae vel subacutae cinnamomeae 2–2.5 mm longae nervulosae viridi-costatae muticae, utriculi squama breviores ovati biconvexi cum rostro 3 mm longi 1 mm lati cinnamomeo-brunnei membranacei nervosi ex toto sparse scabri conspicue stipitati, rostro 1 mm longo ore hyalino oblique fisso, achenia arete implentia ovata 1.5 mm longa biconvexa, stylus brevis basi incrassatus, stigmata 2 tenuia 4 mm longa.—Certe vicina *C. brunneae*, a qua spiculis laxifloris, parce tantum scabris longius rostratis differt. Maxime affinis *C. Kanehirae* OHWI, quae tamen culmo humili, spiculis densius floriferis diversa.

No. 13924 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in secondary forests fringing Iray River, Lake Giji, 1900 m. alt., April 8, 1940. *Type*.

No. 13857 KANEHIRA-HATUSIMA, Angi, Arfak Mts., in secondary forests fringing Iray River, Lake Giji, 1900 m. alt., April 8, 1940.

金平・初島兩氏採集ニューギニア植物研究

莎草科 (和文摘要)

大井次三郎

蘭領ニューギニアノ禾本科ニ引續キ、莎草科植物 65 種ヲ檢定シタノデ此所ニ報告スル。同島ニ新品ト見サレルモノニハ *Carex phacota*, *Carex oedorrhampha* (var.), *Rhynchospora chinensis*, *Scleria Motleyi*, *Lepidosperma striatum*, *Cladium articulatum*, *Thoracostachyum bancanum*, *Cyperus sanguinolentus* (var. *areolatus*) ノ數品ガアル。全體 65 種ノ内デ *Kyllinga monocephala* (をひめくぐ), *K. brevifolia* var. (ひめくぐ變種), *Cyperus Haspan* (こあせがやつり), *C. cyperoides* (くぐ), *C. cyperinus* (しまくぐ), *C. ferax* (むつおれがやつり), *C. compactus* (びとうくぐ), *C. Zollingeri* (さうりがやつり), *C. unioides* (むぎがらがやつり), *C. sanguinolentus* var. (かはらすがな變種), *C. distans* (ははきがやつり), *C. diffusus* (おほのしすげ), *Cladium chinense* (ひともとすすき), *Scleria hebecarpa* (しんじゆがや), *S. lithosperma* (たかおしんじゆがや), *Remirea maritima* (かうしゆんすげ), *Lipocarpa senegalensis* (おほひんじがやつり), *L. microcephala* (ひんじがやつり), *Rhynchospora chinensis* (いぬのはなひげ), *R. Brownii* (とらのはなひげ), *R. rubra* (いがくさ), *Eleocharis tetraquetra* var. (ましかくゐ變種), *Scirpus ternatanus* (おほあぶらがや), *S. Tabernaemontani* (ふとゐ), *Bulbostylis capillaris* (はたがや), *Fimbristylis dichotoma* (てんつき), *F. globulosa* (はなしてんつきノ標準品), *Schoenus calostachyus* (いへやひげくさ), *Carex phacota* (ひめがうそ) ノ 29 種ハ本邦ニモ分布シテ居ル。Mapania, *Lepidosperma*, *Uncinia*, *Thoracostachyum* ノ四屬ハ本邦ニハ知ラレテ居ナイ (*Lepidosperma* ノミハ臺灣邊リニ見出サレル可能性ハアルカト想ハレル)。

Fimbristylis petrogena, *Schoenus erythrosiphon*, *Schoenus fusco-guttatus*, *Cladium Iris*, *Thoracostachyum macilentulum*, *Mapania geelvinkensis*, *Mapania margaritae*, *Carex subflicina*, *Carex Pandanus*, *Carex spadiceo-vaginata* ト呼ンダ諸種ハ既知ノ學名ヲ見出ス事ガ出来ナカツタ。