A List of Plants from Ning-po, Cheh-kiang.

(Continued from vol. XXVII. p. 276.)

By

S. Matsuda.

XLVII. **Amarantaceae.**

170. **Alternanthera nodiflora** R. Br. ; Moq. in DC. Prodr. XIII. 2, p. 356 ; Hook. f. Fl. Brit. Ind. IV. 732 ; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 322.

Nom. Jap. *Tsuru-nogeitō*.

171. **Amarantus paniculata** L., Moq. in DC. Prodr. XIII. 2, p. 257 ; Hook. f. Fl. Brit. Ind. IV. 718 ; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 320 ; Diels in Engl. Bot. Jahrb. XXIX. 316. (Chang, no. 116 *a*, 116 *b*).

XLVIII. **Chenopodiaceæ.**

172. ? **Chenopodium album** L. ; Moq. in DC. Prodr. XIII. 2, p. 70 ; Benth. Fl. Hongk. 282 ; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 323 ; Diels in Engl. Bot. Jahrb. XXIX. 315. (Chang, no. 117).

Specimen not very perfect.

173. **Ch. ambrosioides** L. ; Moq. in DC. Prodr. XIII. 2, p. 72 ; Hook. f. Fl. Brit. Ind. V. 4 ; Wight Ic. Pl. Ind. Or. t. 1786 ; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 324.

Nom. Jap. *Aritasô*.

XLIX. **Polygonaceæ.**

174. **Polygonum alatum** Hamilt. ; Hook. f. Fl. Brit. Ind. V. 41 ; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 332 ; Diels in Engl. Bot. Jahrb. XXIX. 313.

Nom. Jap. *Tani-soba*.

175. **P. hastato-sagittatum** Makino in Bot. Mag. Tokyo XVII. 64; Nakai ibidem XXIII. 421 (*in Japanese*).

Nom. Jap. *Nagaba-no-yanonegusa*.

This specific name is new to the Chinese flora, but it is most probable that the species is recorded from China under some other name.

176. **P. japonicum** Meisn. in DC. Prodr. XIX. 112 et 695; Fr. Pl. David. 254; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 341; Diels in Engl. Bot. Jahrb. XXIX. 312.

Nom. Jap. *Sakura-tade*.

177. **P. nipponense** Makino in Bot. Mag. Tokyo XXIII. 89; Nakai ibidem 89 (*in Japanese*); = *P. hastato-sagittatum* Makino, β . *latifolium* Makino ibidem XVII. 123; = *P. strigosum* R. Br. var. *latifolium* Makino in sched., Herb. Imp. Univ. Tokyo. (Chang, no. 118).

Nom. Jap. *Yanone-gusa*.

This specific name is also new to the Chinese flora, but it is most probable that the species is recorded from China under some other name.

178. **P. Posumbu** Hamilt. var. **Blumei** (Meisn.) Herder; Nakai in Bot. Mag. Tokyo XXIII. (1909) 394 (*in Japanese*). (Chang, no. 119).

Nom. Jap. *Inu-tade*.

179. **P. Thunbergii** Sieb. et Zucc.; Meisn. in DC. Prodr. XIV. 132; Fr. et Sav. Enum. Pl. Jap. II. 475; Diels in Engl. Bot. Jahrb. XXIX. 314.

Nom. Jap. *Mizo-soba*.

180. **Rumex acetosa** L., Meisn. in DC., Prodr. XIV. 64; Bak. et Moore in Journ. Linn. Soc. XVII. 385; Forl. et Hemsl. in Journ. Linn. Soc. XXVI. 355; Diels in Engl. Bot. Jahrb. XXIX. 311. (Chang, no. 118 *a*, 118 *b*).

Nom. Jap. *Sukampo*.

L. Lauraceæ.

181. ? **Lindera** ? **Rosthornii** Diels in Engl. Bot. Jahrb. XXIX. 350.

Sterile specimens, determination unsatisfactory. The species is allied as Diels states to *L. fragrans* Oliv. in Hook. Ic. Pl. t. 1788. The latter botanist places this species in the present genus with interrogation.

182. ? **Machilus longifolia** Bl. in Mus. Bot. Lugd. Bat. I. 331; Meisn. in DC. Prodr. XV. 1, p. 43; Fr. et Sav. Enum. Pl. Jap. I. 412; Engl. Bot. Jahrb. VI. 57; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 375. (Chang, no. 120).

Imperfect specimen with fl. buds(?) turned to galls. The back of perula is silky.

L.I. Euphorbiaceæ.

183. **Aleurites Fordii** Hemsl., Hook. Ic. t. 2802. (Chang, no. 123).

184. **Mallotus Apelta** Muell. Arg. in Linnæa XXXIV. 189, et in DC. Prodr. XV. 2, p. 963; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 439; Diels in Engl. Bot. Jahrb. XXIX. 428; =*Rottlera chinensis* Juss.; Benth. Fl. Hongk. 306. (Chang, no. 121 a).

185. **M. japonicus** Muell. Arg. in Linnæa XXXIV. 189, et in DC. Prodr. XV. 2, p. 966; Max. in Engl. Bot. Jahrb. VI. 59; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 440; Pax in Engl. Bot. Jahrb. XXIX. 428. (Chang, no. 121).

Nom. Jap. *Akame-gashiwa*.

186. **Sapium sebiferum** Roxb. Fl. Ind., III. 693; Hook. f. Fl. Brit. Ind. V. 470; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 445; Diels in Engl. Bot. Jahrb. XXIX. 430. (Chang, no. 122.)

Nom. Jap. *Nankin-haze*.

L.II. Urticaceæ.

187. **Boehmeria grandifolia** Wedd.; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 485; =*B. platyphylla* Don var. *macrophylla* Wedd. in DC. Prodr. XVI. 1, p. 213, excl. syn. *B. longispica* Steud.; *B. longispica* Fr. et Sav., Enum. Pl. Jap. I. 440 ex parte, non Steud. (Chang, no. 130).

Nom. Jap. *Yabu-ma-o*.

B. holosericea Bl. is not recorded from China; it is a var. of *B. platyphylla* Don (DC. Prodr. l. c.) after Weddell. Several specimens of Japanese plants named *B. holosericea* Bl. seem to be a form of *B. grandifolia* Wedd. *B. japonica* Miq. is often applied to "Yabu-ma-o," but is not adopted in *Meikan*, or Index Pl. Jap. by Prof. Matsumura.

188. **B. nivea** Gaud.; Benth. Fl. Hongk. 331; DC. Prodr. XVI. 1, p. 206; Hook. f. Fl. Brit. Ind. V. 985; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 486; Diels in Engl. Bot. Jahrb. XXIX. 304. (Chang, no. 129).

Nom. Jap. *Ma-o*.

This is said to be a plant known as China grass or *Ramie*, of which Chinese grass-cloth is made.

189. **B. platyphylla** Don, var. **stricta** C. H. Wright in Journ. Linn. Soc. XXVI. 487; Diels in Engl. Bot. Jahrb. XXIX. 304. (Chang, no. 127 a, 127 b).

Hupeh specimen no. 4622 from Henry named *B. platyphylla* Don seems to be of var. *stricta*.

190. **B. sp.** (Chang, no. 125).

The specimen is indeterminable, fruit being immature. It is somewhat allied to *B. Zollingeriana* Wedd.

191. **Broussonetia papyrifera** Vent.; Bureau in DC. Prodr. XVII. 224; Fr. Pl. David. 269; Hook. f. Fl. Brit. Ind. V. 490; Bot. Mag. t. 2358; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 455; Diels in Engl. Bot. Jahrb. XXIX. 298. (Chang, no. 125).

Nom. Jap. *Kajinoki*.

192. **Celtis sinensis** Pers.; Benth. Fl. Hongk. 324; Planch. in DC. Prodr. XVII. 172; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 450; Diels in Engl. Bot. Jahrb. XXIX. 297.

Nom. Jap. *Enoki*.

193. **Ficus formosana** Max. in Mém. Biol. XI. 331; King in Ann. Bot. Gard. Calc. I. p. 153, t. 177 A; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 459; Diels in Engl. Bot. Jahrb. XXIX. 300. (Chang, no. 124).

F. taiwaniana Hayata, Materials for Fl. Formos. 277, is distinguished from *F. formosana* by having pyriform receptacle,

while it is subglobose in the latter species.

194. **F. pumila** L.; Forb. et Horb. in Journ. Linn. Soc. XXVI. 465; Diels in Engl. Bot. Jahrb. XXIX. 299; Makino in Bot. Mag. Tokyo XVIII. 152 et XX. 43.

Nom. Jap. *Ōitabi*.

195. **Morus alba** L.; Bureau in DC. Prodr. XVII. 238; Hook. f. Fl. Brit. Ind. 492; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 455. (Chang, no. 128.)

Nom. Jap. *Kuwa* (桑).

196. **Nanocnide japonica** Bl. Mus. Bot. Lugd.-Bat. II. 155, t. 17; DC. Prodr. XVI, 1, 69; Max. in Mél. Biol. IX. 627; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 473; Diels in Engl. Bot. Jahrb. XXIX. 301;

forma?

The present specimen differs from the type in the larger stature:

Leaves are about 4 cm. long and as much broad, about 9-toothed on each side, the peduncle of the male fl. attaining about 7 cm.; segments of male fl. are transversely crested a little below the apex.

197. **Pellionia scabra** Benth. Fl. Hongk. 330; Wedd. in DC. Prodr. XVI. 1, p. 166; Max. in Mél. Biol. IX. 633; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 481; Matsum. et Hayata, Enum. Pl. Formos. 383. (Chang, no. 131).

LIII. Juglandaceæ.

198. **Pterocarya paliurus** Batalin in Act. Hort. Petrop. XIII. 101; Fr. in Journ. de Bot. (1898) 318; Diels in Engl. Bot. Jahrb. XXIX. 274. (Chang, no. 132).

199. **P. stenoptera** DC. Prodr. XVI. 2, p. 140; Max. in Mél. Biol. VIII. 639; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 494; Diels in Engl. Bot. Jahrb. XXIX. 277.

LIV. Cupuliferæ.

200. **Quercus glauca** Thunb.; DC. Prodr. XVI. 2, p. 100; Hance in Journ. Bot. (1875) 363; Hook. f. Fl. Brit. Ind. V.

604; Banks, Icon. Select. Kæmpf. t. 17; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 515; Diels in Engl. Bot. Jahrb. XXIX. 293.

Nom. Jap. *Arakashi*.

201. **Passania glabra** Oerst., Makino in Bot. Mag. Tokyo (1900) 166, 186; = *Quercus Thalassica* Hance; Benth. Fl. Hongk. 321; DC. Prodr. XVI. 2, p. 84; Fr. et Sav. Enum. Pl. Jap. I., 447; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 521; Diels in Engl. Bot. Jahrb. XXIX. 294. (Chang, no. 134.)

Nom. Jap. *Shirifuka*.

LV. Salicaceæ.

202. **Salix** sp. (Chang, no. 133. ♂)

Scale ovate, stamens 2, anterior gland fleshy, reddish, posterior often irregularly divided.

LVI. Ceratophyllaceæ.

203. **Ceratophyllum demersum** L.; DC. Prodr. III. 73; Hook. f. Fl. Brit. Ind. V. 639; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 538; Diels in Engl. Bot. Jahrb. XXIX. 321.

Nom. Jap. *Kingyo-mo*.

The fruit smooth, with 2 long spines near base.

LVII. Coniferae.

204. **Juniperus chinensis** L.; Parl. in DC. Prodr. XVI. 2, p. 487; Sieb. et Zucc. Fl. Jap. tt. 126, 127; Franch. Pl. David. I. 291; Forb. et Hemsl. in Journ. Linn. Soc. XXVI. 541. (Chang, no. 135.)

Nom. Jap. *Ibuki*.

205. J. sp.; Hayata in Journ. Linn. Soc. XXXIX. 89.

LVIII. Hydrocharitaceæ.

206. **Hydrilla verticillata** Royle; Casp. in Pringsh. Jahrb. I. 494; Hook. f. Fl. Brit. Ind. v. 659; Forb. et Hemsl. in

Journ. Linn. Soc. XXVI. 1; Diels in Engl. Bot. Jahrb. XXIX. 220.

Nom. Jap. *Kuromo*.

LIX. Orchidaceæ.

207. **Goodyera Schlechtendaliana** Reichb. f. in Linnæa XXII. 861; Fr. et Sav. Enum. Pl. Jap. II.; Rolfe in Journ. Linn. Soc. XXXVI. 46; Kränzlin in Engl. Bot. Jahrb. XXIX. 269; = *G. secundiflora* Griff.; Hook. f. Fl. Brit. Ind. VI. 113.

Nom. Jap. *Miyama-udzura*.

Distinguished from *G. repens* R. Br. by having fl. mottled in most cases, and bracts shorter than the flowers.

208. **Spiranthes australis** Lindl.; Hook. f. Fl. Brit. Ind. VI. 102; Forb. et Hemsl. in Journ. Linn. Soc. XXXVI. 41; Diels in Engl. Bot. Jahrb. XXIX. 269. (Chang, no. 136.)

LX. Scitamineæ.

209. ?**Musa Basjoo** Sieb.; Bak. in Bot. Mag. t. 7182; Wright in Journ. Linn. Soc. XXXVI. 74. (Chang, no. 137.)

Nom. Jap. Bashô (芭蕉).

210. **Canna** sp. (Chang, no. 138.)

The specimen has fl. yellow, brown spotted or blotched.

LXI. Haemodoraceæ.

211. **Aletris japonica** Lamb.; S. Moore in Journ. Bot. XVI (1878) 138; Wright in Journ. Linn. Soc. XXXVI. 76. (Chang, no. 139.)

Nom. Jap. *Sokushin-ran*.

212. **Liriope spicata** Lour.; Wright in Journ. Linn. Soc. XXXVI. 79; = *Ophiopogon spicatus* Gawl.; Diels in Engl. Bot. Jahrb. XXIX. 253.

LXII. Iridaceæ.

213. **Iris tectorum** Max. in Mém. Biol. VII. 563; Gartenflora t. 716; Bot. Mag. t. 6118; Bak. Handb. 23; Wright in Journ.

Linn. Soc. XXVI. 85 ; Diels in Engl. Bot. Jahrb. XXIX. 262. (Chang, no. 140.)

Nom. Jap. *Ichihatsu*.

LXIII. Dioscoreaceæ.

214. **Dioscorea Batatus** Decne. ; Benth. Fl. Hongk. 368 ; Makino, Phanerog. Jap. Ic. Ill. tt. 93-95 ; Wright in Journ. Linn. Soc. XXXVI. 91. (Chang, no. 141,)

Nom. Jap. *Naga-imo*.

The specimen is of a form with subtrilobed leaves.

215. **D. Tokoro** Makino in Bot. Mag. Tokyo (1889)112, et Phanerog. et Pterid. Jap. Ic. Ill. III. t. 79. (Chang, no. 141.)

Nom. Jap. *Oni-tokoro*.

LXIV. Liliaceæ.

216. **Asparagus lucidus** Lindl. ; Benth. Fl. Hongk. 371 ; Miq. in Ann. Mus. Bot. Lugd.-Bat. III. 151 ; Kunth, Enum. Pl. v. 72 ; Bak. in Journ. Linn. Soc. XIV. 605 ; Wright in Journ. Linn. Soc. XXXVI. 102 ; Diels in Engl. Bot. Jahrb. XXIX. 246. (Chang, no. 144.)

Nom. Jap. *Kusa-sugikadzura*.

Distinguished from *A. schoberioides* Kunth, thus :

Pedice! articulate below the fl.....*A. schoberioides*.

„ „ in the middle.....*A. lucidus*.

217. **Hemerocallis fulva** L. ; Bot. Mag. t. 64 ; Kunth, Enum. Pl. IV. 588 ; Fr. et Sav. Enum. Pl. Jap. II. 80 ; Bak. in Journ. Linn. Soc. Bot. XI. (1870) ; Hook. f. Fl. Brit. Ind. VI. 326 ; Wright in Journ. Linn. Soc. XXXVI. 115. (Chang, no. 142.)

218. **Lilium Brownii** F. E. Brown ; Wright in Journ. Linn. Soc. XXXVI. 128 ; Diels in Engl. Bot. Jahrb. XXIX. 243 ;

? var. **viridulum** Baker in Gard. Chron. (1885.) pt. II. p. 134, et (1891) pt. II. p. 225. (Chang, no. 145.)

The upper leaves (the lower ones being absent) of the present specimen are oblong-lanceolate, subacuminate, sub-5-nerved ; corolla seems to be white, though the color is not

distinct in dried state.

L. Brownii has several varieties, of which some have white fl., and others have broader leaves. The present specimen is allied to *L. japonicum*, but differs from it in short broad leaves; also it is allied to *L. nepalense* C. Don, but differs from it in the white color of fl., which is yellow in the type of the Nepal plant.

219. ? ***Lilium cordifolium*** Thunb.; Sieb. et Zucc. Fl. Jap. I. (1835) p. 33, tab. 13. II, et 14; Kunth, Enum. Pl. IV. (1843) 268; Wright in Journ. Linn. Soc. XXXVI. 130.

Very imperfect specimen consisting of a single flower. Mr. Makino changed the name of the present sp. to *Cardiocrinum cordatum*. (Confr. Bot. Mag. Tokyo (1913) p. 124.)

220. ***Paris*** sp.

Leaves 9-verticillate, petiolate, petiole 1 cm. long, lamina (9×2 cm.) oblong lanceolate, subacuminate, peduncle about 1.3 dm., fl. solitary, sepals 8, like the lamina in form and texture, but much smaller (4×1 cm.), petals 6 (?), linear, 1.2 cm. long; stamens 14 (?), anthers 6 mm. long, filament half as long.

Many species of the genus are recorded from China; the descriptions of most of them do not agree with the present specimen, which is not very perfect.

221. ***Polygonatum officinale*** All.

? var. ***Maximowiczii*** Fr. Schm.; Max. in Mém. Biol. XI. 847; Wright in Journ. Linn. Soc. XXXVI. 108. (Chang, no. 143).

The present specimen has the leaves scabrous beneath, filament pubescent, especially towards the base, twice as long as the anther. Stature seems to be smaller than the Japanese specimens of this variety. The type of *P. officinale* has leaves glabrous beneath, filament glabrous, subequal to the anthers in length.

222. ***Smilax herbacea*** L. var. ***nipponica*** Max.; A. DC. Monogr. Phan. I. 52; Wright in Journ. Linn. Soc. XXXVI. 98. (Chang, no. 146 a, 146 b.)

Nom. Jap. *Shiode*.

223. **Tricyrtis macropoda** Miq.; Gartenflora t. 613; Fr. et Sav. Enum. Pl. Jap. II. 74; Bak. in Journ. Linn. Soc. XVII. 464; Hemsl. in Journ. Bot. XIV. 210; Wright in Journ. Linn. Soc. XXXVI. 142; Diels in Engl. Bot. Jahrb. XXIX. 241.

LXV. Commelinaceæ.

224. ? **Aneilema Keisak** Hassk.; C. B. Clarke in DC. Monogr. Phan. III, 209; Diels in Engl. Bot. Jahrb. XXIX. 237; Wright in Journ. Linn. Soc. XXXVI. 152. (Chang, no. 147).

Fl. seem to be much larger than those of common Japanese specimens.

LXVI. Palmæ.

225. ? **Trachycarpus excelsus** Wendl.; Wright in Journ. Linn. Soc. XXXVI. 168. (Chang, no. 148).

Imperfect specimen.

LXVII. Araceæ.

226. **Acorus gramineus** Ait. Hort. Kew. I. 474; Engl. in DC. Monogr. Phan. II. 218; Hook. f. Fl. Brit. Ind. VI. 556; Diels in Engl. Bot. Jahrb. XXIX. 234; Brown in Journ. Linn. Soc. XXXVI. 187.

Nom. Jap. *Seki-shō*.

227. **Arisaema heterophyllum** Bl.; Kunth, Enum. Pl. III. 20; Makino in Bot. Mag. Tokyo XV. 134; Brown in Journ. Linn. Soc. XXXVI. 178; = *A. Thunbergii* Bl. var. *heterophyllum* Engl. in DC. Monogr. Phan. II. 546; Diels in Engl. Bot. Jahrb. XXIX. 236; = *A. Thunbergii* Savat. in Inuma, *Somoku-Zusetsu*, ed. 2., XIX. t. 14, non Bl. (Chang, no. 150)

Nom. Jap. *Maizuru-tennanshō*.

228. **Pinellia tuberifera** Tenore; Engl. in DC. Monogr. Phan. II. 566; Palibin in Acta Hort. Petrop. XIX. (1901); 17; Engl. in Engl. Bot. Jahrb. XXIX. 236; Brown in Journ. Linn. Soc. XXXVI. 174. (Chang, no. 149.)

Nom. Jap. *Karasu-bishaku*.

LXVIII. **Alismaceæ.**

229. **Alisma Plantago** L. ; Micheli in DC. Monogr. Phan. III. 32 ;

var. **angustifolium** Kunth, Enum. Pl. III. 148 ; Wright in Journ. Linn. Soc. XXXVI. 188. (Chang, no. 151.)

Nom. Jap. *Hera-omodaka*.

LXIX. **Cyperaceæ.**

230. **Carex brunnea** Thunb. ; Clarke in Journ. Linn. Soc. XXXVI. 278 ; Diels in Engl. Bot. Jahrb. XXIX. 330 ; Kük. in Engl. Pflreich. Heft. 38 (Cyperaceæ-Caricoideæ) 599. (Chang, no. 154).

Nom. Jap. *Nagiri-suge*.

231. **C. dispalatha** Boott, Carex I. 205 ; Fr. et Sav. Enum. Pl. Jap. II. pp. 151, 580 ; Clarke l. c. 283. (Chang, no. 155.)

Nom. Jap. *Kasa-suge*.

232. ? **C. japonica** Thunb., var. **chlorostachys** Kük. l. c. 620.

Specimens imperfect with undeveloped flowers.

233. ? **C. Morrowii** Boott ; Miq. Prol. 79 ; Boeck. in Linnæa XL. 450.

This sp. is not cited by Clarke in Journ. Linn. Soc. XXXVI. The specimen wants leaves, determination doubtful.

234. **Eleocharis acicularis** R. Br. ; Kunth, Enum. Pl. II. 141 ; Clarke in Hook. f. Fl. Brit. Ind. VI. 628, et in Journ. Linn Soc. XXXVI. 225. (Chang, no. 156.)

Nom. Jap. *Matsuba-i*.

235. ? **E. tetraquetra** Nees ; Clarke in Hook. f. Fl. Brit. Ind. VI. 630, et in Journ. Linn. Soc. XXXVI. 228.

Barbs of the bristles close, style-base about $\frac{1}{2}$ as long as the nut. Determination unsatisfactory.

236. **Fimbristylis miliacea** Vahl. ; Kunth, Enum. Pl. II. 230 ; Benth. Fl. Hongk. 393 ; Boeck. in Linnæa XXXVII. 43, et in Engl. Bot. Jahrb. VI. 51 ; Clarke in Hook. f. Fl. Brit. Ind. VI. 644 ; Diels in Engl. Bot. Jahrb. XXIX. 229 ; Clarke

in Journ. Linn. Soc. XXXVI. 239. (Chang, no. 152.)

Nom. Jap. *Hideriko*.

237. **Mariscus Sieberianus** Nees in Linnæa IX. 286 ; Clarke in Hook. f. Fl. Brit. Ind. VI. 622, et in Journ. Linn. Soc. XXXVI. 221. (Chang, no. 153.)

Nom. Jap. *Kugu*.

238. **Scirpus mucronatus** L. ; Kunth, Enum Pl. II. 161 ; Boeck. in Linnæa XXXVI. 703 ; Clarke in Hook. f. Fl. Brit. Ind. VI. 657, et in Journ. Linn. Soc. XXXVI. 252 ; Diels in Engl. Bot. Jahrb. XXIX. 228.

Nom. Jap. *Kangarei*.

LXX. Gramineæ.

239. **Alopecurus æqualis** Sobol. ; Rendle in Journ. Linn. Soc. XXXVI. 384 ; = *A. geniculatus* L. ; Pilger in Engl. Bot. Jahrb. XXIX. 224. (Chang, no. 158.)

Nom. Jap. *Suzume-no-teppô*.

240. **Avena fatua** L. ; Steud. Syn. Gram. 230 ; Benth., Fl. Hongk. 430 ; Hook. f. Fl. Brit. Ind. VII. 275 ; Rendle in Journ. Linn. Soc. XXXVI. 401. (Chang, no. 157.)

Nom. Jap. *Chahiki*.

241. **Imperata arundinacea** Cyr. ; Miq. Prol. 196 ; Fr. et Sav. Enum. Pl. Jap. II. 188. (Chang, no. 159 a, 150 b).

Nom. Jap. *Chigaya*. (白茅).

242. **Lophatherum sinense** Rendle in Journ. Linn. Soc. XXXVI. 421. (Chang, no. 163.)

The present specimen seems to agree well with the description of Rendle. The spikelet has about 10 sterile glumes above the fertile one, but the author does not state anything about the sterile glumes. He saw single specimen which was collected at Kiu-kiang, Kiang-si ; and if my identification is right the species is also found in Che-kiang.

243. **Oryza sativa** L. ; Steud. Syn. Gram. 3 ; Thunb. Fl. Jap., 147 ; Rendle in Journ. Linn. Soc. XXXVI. 344. (Chang, no. 160).

Nom. Jap. *Ine*. (稻).

244. **Panicum plicatum** Lamk.; Trin. Sp. Gram. Ic. t. 223; Kunth, Enum. Pl. I. 94; Benth., Fl. Hongk. 411; Hook. f. Fl. Brit. Ind. VII. 55; Pilger in Engl. Bot. Jahrb. XXIX. 223; = *P. neurodes* Schult., Matsum. Index Fl. Jap. vol. II. 1, p. 71; = *Setaria Mauritiana* Spreng.; Rendle in Journ. Linn. Soc. XXXVI. 336; = *P. excurrens* Trin. Ic. Gram. t. 89.

Nom. Jap. *Sasakibi*.

245. **Phragmitis communis** Trin.; Steud. Syn. Gram. 195; Fr. et Sav. Enum. Pl. Jap. II. 170; Hook. f. Fl. Brit. Ind. VII. 303; Rendle in Journ. Linn. Soc. XXXVI. 409.

Nom. Jap. *Yoshi*. (蘆).

246. **Rottoboellia compressa** L. f. var. **japonica** Hack. Monogr. Androp. 288 et in Bull. Herb. Boiss. sér. 2., III. 501; Rendle in Journ. Linn. Soc. XXXVI. 361.

Nom. Jap. *Ushi-no-shippei*

247. **Saccharum arundinaceum** Retz., Hack. Monogr. Androp. 117; Rendle in Journ. Linn. Soc. XXXVI. 349; = *S. procerum* Roxb. Fl. Ind. I. 243. (Chang. no. 162).

248. **Spodiopogon cotulifera** Hack. Monogr. Androp. 181; et in Bull. Herb. Boiss. VII. (1899) 641 et sér. 2. III. (1903) 501; Hook. f. Fl. Brit. Ind. VII. 108; Rendle in Journ. Linn. Soc. XXXVI. 351. (Chang. no. 161).

Nom. Jap. *Abura-susuki*.

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249. **Asplenium incisum** Thunb., Hook. Synop. Fil. 217; Diels in Engl. Bot. Jahrb. XXIX. 198.

Nom. Jap. *Toranoo-shida*.

250. **A. Saulii** Hook.; Hook. et Bak. Synop. Fil. 216; Diels l. c.

Nom. Jap. *Kobano-hinoki-shida*.

251. **Davallia Griffithiana** HK.; Benth. Fl. Hongk. 462; Matthew in Journ. Linn. Soc. XXXIX. 356.

Nom. Jap. *Shima-shinobu*.

252. **Diplazium japonicum** Bedd.; Benth., Fl. Hongk. 452.

Nom. Jap. *Shike-shida*.

253. **D. Wichuræ** (Wett.) Diels ; Bak. in Journ. Linn. Bot. XIII. (1875) 220 ; Diels l. c. 197 ; Matthew l. c. 358. (Chang, no. 76).

Nom. Jap. *Nokogiri-shida*.

254. **Drynaria Fortunei** (Kze.) J. Sm. ; Hook. et Bak. Synop. Fil. 367 ; Diels l. c. 207 ; Matthew l. c. 359. (Chang, no. 173).

255. **Nephrodium decursivo-pinnatum** Bak. ; Hook. et Bak. Synop. Fil. 259 ; Diels l. c. 189.

Nom. Jap. *Gejigeji-shida*.

256. **Nephrodium Filix-mas** Rich. var. **erythrosorum** Chr. ; Matsum. Index Pl. Jap. I. 319 ; = *N. (Furcatoveniæ) erythrosorum* Hook. ; Diels l. c. 190. (Chang, no. 175.)

Nom. Jap. *Beni-shida*.

257. **N. oligophlebium** Chr. ; Matsum. Index Pl. Jap. I. 288 ; = *N. (Dissectæ) setigerum* (Bl.) Bak. ; Diels l. c. 191.

Nom. Jap. *Himewarabi*.

258. **N. sophoroides** (Thunb.) Desv. ; Hook. et Bak., Synop. Fil. 289 ; Diels l. c. ; (Chang, no. 172 a, 172 b.)

Nom. Jap. *Hoshida*.

259. **Polypodium ellipticum** Thunb. ; Benth. Fl. Hongk. 457 ; Hook. et Bak. Synop. Fil. 289 ; Diels l. c. 206 ; Matthew in Journ. Linn. Soc. XXXIX. 378 ;

var. **typicum** Makino in sched., Herb. Imp. Univ. Tokyo. (Chang, no. 167).

Nom. Jap. *Iwahitode*.

260. **P. nipponicum** Mett. ; Hook. et Bak., Synop. Fil. 341 ; Diels l. c. 203 ; Matthew. l. c. 381.

Nom. Jap. *Aone-kadzura*.

261. **P. normale** Don ; Diels l. c. ; 204 Matthew. l. c. ;
var. **normalis** Hook. Sp. Fil. V. 70. (Chang, no. 169a, 169b).

262. **P. phyllomanes** Chr. ; Matthew. l. c. 382 ; = *P. ovatum* Wall. ; Hook. et Grev. Ic. t. 41. (Chang, no. 165).

263. **P. petiolosum** Chr. et Baroni ; Palibin in Conspect. Fl. Cor. III. 42 ; — *Niphobolus petiolosus* Diels in Engl. Bot.

Jahrb. XXIX. 207; Yabe, Filices Koreæ Uchiyamanæ in Bot. Mag. Tokyo XXII (1903)68. (Chang, no. 166.)

264. **P. superficiale** Bl.; Benth. Fl. Hongk. 458; Hook. et Bak. Synop. Fil. 355; Diels l. c. 203; Matthew. l. c. 383. (Chang, no. 168).

Nom. Jap. *Nukaboshi-kuriharan, nukaboshiran.*

265. **Polystichum aculeatum** (L.) Schott.; Hook. et Bak. Synop. Fil. 252; Diels l. c. 193; Christensen, Index Filicum 575; Mathew. l. c. 384. (Chang, no. 177.)

266. **P. falcatum** Diels; Hook. et Bak. l. c. 257; Diels l. c. 194; Matthew. l. c. 385.

Nom. Jap. *Yabu-sotetsu.*

267. **P. varium** (Sw.) Presl.; Hook. et Bak. l. c. 254; Diels l. c. 194; Matthew l. c. 388. (Chang, no. 174).

Nom. Jap. *Itachi-shida.*

268. **Pteris semipinnata** L.; Benth. Fl. Hongk. 448; Diels l. c. 202; Matthew. l. c. 390;

var. **dispar** Bak.; Hook. Synop. Filicum 157;=var. *subaequilateræ* Hook. (Chang, no. 164).

Nom. Jap. *Amakusa-shida.*

269. **Woodwardia radicans** Sm.; Hook. et Bak. Synop. Fil. 188; Diels l. c. 199; Matthew. l. c. 393.

Nom. Jap. *Komochi-shida.*

270. **W. virginica** Sm.; Matsum. Index. Pl. Jap. I. 352; =*W. japonica* Sw.; Hook. et Bak. Synop. Fil. 188; Diels l. c. 199; Matthew. l. c. 393. (Chang, no. 170a, 170b).

Christensen (in Index Filicum pp. 658, 659.) retains both *W. virginica* and *japonica*; but Matsumura and others reduce var. *japonica* to *virginica*, and here I follow the latter view.

(concluded)