Shirô Nosaka* A Preliminary Report on the Phanerogam Flora of Mt. Yûpari, Prov. Ishikari, Hokkaidô (4)

野坂志朗：北海道石狩，夕張岳，種子植物誌予報 (4)

Enumeration of plants (Continued)

135. *Rubus pseudo-japonicus* Koidz. (*Togenashi-goyô-ichigo*, I, II, III, IV, V, VI)
136. *Rubus Wrightii* A. Gray (*Kuma-ichigo*, III)
137. *Sanguisorba grandiflora* Makino (*Chisima-waremokô*)……(1)
138. *Sanguisorba stipulata* Raf.(*Takane-tôuchisô*, IV, V, VI)
139. *Sanguisorba tenuifolia* Fisch. var. *alba* Trautv. et Mey. (*Nagabono-shiro-waremokô*, II, IV)
140. *Sorbaria sorbifolia* A. Braun var. *stellipila* Maxim. (*Hozaki-nanakamado*, I, II, III)
141. *Sorbus commixta* Hedl. (*Nanaka-mado*, I, II, III, IV)
142. *Sorbus Matsumurana* Koehne (*Uraziro-nanakamado*, IV, V, VI)
143. *Sorbus sambucifolia* Roem. var. *pseudogracilis* C. K. Schn. (*Miyama-nanakamado*, VI)
144. *Spiraea betulifolia* Pall. (*Maruba-shimotsuke*, IV, V)
subsp. *Aemiliana* Hara(*Ezo-maruba-shimotsuke*, IV, V, VI)
var. *glabra* Hara (*Akan-maruba-shimotsuke*, VI)
145. *Spiraea media* Schm. var. *sericea* Maxim. (*Ezo-shimotsuke*, I,II)
146. *Spiraea Miyabei* Koidz. (*Ezono-shirobana-shimotsuke*, I, II)
147. *Spiraea salicifolia* L. (*Hozaki-shimotsuke*, II, III)
148. *Waldsteinia ternata* Fritsch (*Kokinbai*, II)

FAM. FABACEAE (Mame-ka)

149. *Desmodium racemosum* DC. (*Nusubitohagi*, I, II)
150. *Hedysarum ussuriense* Schischk. et Komar. (*Iwaôgi*, IV … Gama-iwa)
151. *Lespedeza cuneata* G. Don (*Medohagi*, I, II)
152. *Lotus corniculatus* L. var. *japonicus* Regel (*Miyakogusa*, I)
153. *Maackia amurensis* Rupr. et Maxim. var. *Buergeri* C. K. Schn. (*Inu-enju*, II)
154. *Oxytropis rishiriensis* Matsumura (*Rishirigenge*, IV … Gama-iwa)
155. *Vicia Cracca* L. (*Kusafuzi*, I, II)

FAM. GERANIACEAE (Fûroso-ka)

156. *Geranium erianthum* DC. (*Chisimafûro*, IV, V, VI)

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157. *Geranium nepalense* Sweet var. *Thunbergii* Kudo (*Gennoshôko*, I, II)

FAM. OXALIDACEAE (Katabami-ka)

158. *Oxalis acetosella* L. (*Komiyamakatabami*, II, III, IV)

FAM. RUTACEAE (Mikan-ka)

159. *Phellodendron sachalinensis* Sarg. (*Hirohano-kihada*, II)

160. *Skimmia japonica* Thunb. var. *intermedia* Komatsu form. *repens* Hara (*Tsurushikimi*, III)

FAM. SIMAROUBACEAE (Nigaki-ka)

161. *Picrasma quassioides* A. Benn. var. *glabrescens* Pampan. (*Nigaki*, II)

FAM. EUPHORBIACEAE (Tôdaigusa-ka)

162. *Daphniphyllum macropodum* Miq. subsp. *humile* Hurusawa(*Ezo-yuzuriha*, II, III)

163. *Tithymalus Sieboldianus* Hara var. *montanus* Hara (*Himenatsutôdai*. s. p. f. of II, IV and V)

FAM. BUXACEAE (Tsuge-ka)

164. *Pachysandra terminalis* Sieb. et Zucc. (*Fukkisô*, I, II, III)

FAM. CALLITRICHACEAE (Awagoke-ka)

165. *Callitriche verna* L. (*Mizuhakobe*, I)

FAM. ANACARDIACEAE (Urushi-ka)

166. *Rhus ambigua* Lavall. (*Tsutaurushi*, I, II, III, IV)

167. *Rhus trichocarpa* Miq. (*Yamaurushi*, II, III)

FAM. ACERACEAE (Kaede-ka)

168. *Acer japonicum* Thunb.(*Hauchiwakaede*, I, II, III)

169. *Acer Miyabei* Maxim. (*Kurobiitaya*) ..... (2)

170. *Acer mono* maxim. var. *Mayrii* Koidz. (*Beni-itaya*, I, II, III)

171. *Acer palmatum* Thunb. var. *Matsumurae* Makino (*Yamamomizi*, II, III)

172. *Acer Tschonoskii* Maxim. (*Minekaede*, III, IV)

173. *Acer ukurunduense* Trautv. et Mey. (*Ogarabana*, III, IV)

form. *Pilosum* Nakai (*Usuge-ogarabana*, III, IV)

FAM. STAPHYLEACEAE (Mitsubautsugi-ka)

174. *Staphylea Bumalda* DC. (*Mitsubautsugi*, II)

FAM. BALSAMINACEAE(Tsurifunesô-ka)

175. *Impatiens Noli-tangere* L. (*Kitsurifune*, I, II, III)

176. *Impatiens Textori* Miq. (*Tsurifunesô*, I, II, III)

FAM. AQUIFOLIACEAE (Mochinoki-ka)

177. *Ilex crenata* Thunb. (*Inutsuge*, II, III)

178. *Ilex rugosa* Fr. Schm. (*Tsurutsuge*, III)

179. *Ilex Sugeroki* Maxim. subsp. *brevipedunculata* Makino (*Akamino-inutsuge*, III, IV, VI)

FAM. CELASTRACEAE (Nishikigi-ka)

180. *Celastrus strigillosus* Nakai (*Onitsuru-umemodoki*, II)

181. *Euonymus alatus* Sieb. form. *subtriflorus* Ohwi (*Komayumi*, III)

182. *Euonymus macropterus* Rupr.

(*Hirohanotsuribana*, III)

183. *Euonymus oxyphyllus* Miq. (*Tsuribana*, II, III)

184. *Euonymus Sieboldianus* Blume (*Mayumi*, II, III)

185. *Euonymus tricuspis* Koidz. (*Murasakitsuribana*, IV)

FAM. RHAMNACEAE (Kuroumemodoki-ka)

196. *Rhamnus Ishidae* Miyabe et Kudo (*Miyama-han-modoki*, s. p. f. of V and VI)

FAM. VITACEAE (Budô-ka)

187. *Vitis Coignetiae* Pulliat(*Yamabudô*, I, II, III)

FAM. TILIACEAE (Shinanoki-ka)

188. *Tilia japonica* Simonkai (*Shinanoki*, I, II)

189. *Tilia Maximowicziana* Shirasawa (*Ôbabodaiju*, I, II, III)

FAM. ACTINIDIACEAE (Matatabi-ka)

190. *Actinidia arguta* Planch.(*Sarunashi*, I,II)

191. *Actinidia Kolomikta* Maxim. (*Miyama-matatabi*, III)

192. *Actinidia polygama* Planch. (*Matatabi*, I, II)

FAM. HYPERICACEAE (Otogirisô-ka)

193. *Hypericum Ascyron* L. (*Tomoesô*, II, III)

194. *Hypericum erectum* Thunb. (*Otogirisô*, IV, V)

195. *Hypericum kamtschaticum* Ledeb. (*Iwaotogiri*, IV, V, VI)[1)]

FAM. THYMELAEACEAE(Jinchôge-ka)

196. *Daphne jezoensis* Maxim. (*Naniwazu*, II)

197. *Daphne Miyabeana* Makino (*Karasushikimi*) ..... (Kawabata)[2)]

FAM. VIOLACEAE (Sumire-ka)

198. *Viola biflora* L. (*Kibananokomanotsume*, III, IV)

199. *Viola blandiformis* Nakai (*Usubasumire*, III, IV)

200. *Viola brevistipulata* W. Bckr.(*Ôbakisumire*, III, IV)

201. *Viola crassa* Makino(*Takanesumire*, V ··· s. p. f.)

202. *Viola Kusanoana* Makino (*Ôtachitsubosumire*, I, II, III, V)

203. *Viola sachalinensis* H. Boiss. var. *alpina* Hara (*Apoitachitsubosumire*, s. p. f. of II and IV)

204. *Viola Selkirkii* Pursh (*Miyamasumire*, II, III, IV)
form. *variegata* F. Maekawa(*Fuirimiyamasumire*, II, III, IV)

205. *Viola verecunda* A. Gray (*Tsubosumire*, I, II)

206. *Viola yubariana* Nakai (*Shisobakisumire*, s. p. f. of V and VI)

FAM. ONAGRACEAE (Akabana-ka)

207. *Chamaenerion angustifolium* Scop. (*Yanagiran*, I, II)

1) : This species in the mountain shows considerable variations; certainly includes var. *hidakense* Y. Kimura - type.

2) : after Prof. S. Kawabata, Director of Iwamizawa Branch, Hokkaidô Gakugei University.

208. *Circaea alpina* L. (*Miyamatanitade*, III, IV, V)
209. *Circaea erubescens* Franch. et Savat. (*Tanitade*, II, III)
210. *Epilobium amurense* Hausskn. (*Kegon-akabana*, I, II, III)
211. *Epilobium cephalostigma* Hausskn. (*Iwa-akabana*, I, II, III, IV)
212. *Epilobium glandulosum* Lehm. var. *asiaticum* Hara (*Karafuto-akabana*, I, II, III)

FAM. ARALIACEAE (Ukogi-ka)

213. *Acanthopanax sciadophylloides* Franch. et Savat. (*Koshiabura*, III)
214. *Aralia cordata* Thunb. (*Udo*, I, II, III)
215. *Aralia elata* Seem. var. *canescens* Nakai (*Medara*, I, II)
216. *Kalopanax pictus* Nakai (*Harigiri*, I, II, III)
217. *Panax japonicus* C. A. Mey. (*Tochibaninzin*, III)

FAM. APIACEAE (Seri-ka)

218. *Aegopodium alpestre* Ledeb. (*Ezobôfû*, III, IV)
219. *Angelica anomala* Lallemant (*Ezonoyoroigusa*, III, IV, V)
220. *Angelica stenoloba* Kitagawa (*Hosobatôki*, s. p. f. of II, IV and V)
221. *Angelica ursina* Maxim. (*Ezonyû*, I, II, III)
222. *Bupleurum longiradiatum* Turcz. var. *breviradiatum* Fr. Schm. (*Hotarusaiko*, IV ··· Gamaiwa)
223. *Bupleurum triradiatum* Adams var. *alpinum* Rupr. (*Rebunsaiko*, V, VI)
224. *Coelopleurum lucidum* Fern. var. *Gmelini* Hara (*Ezono-shishiudo*, I, II, III, IV)
225. *Conioselium filicinum* Hara (*Miyamasenkyû*, IV, V)
226. *Cryptotaenia canadensis* DC. (*Mitsuba*, I, II)
227. *Heracleum dulce* Fisch. (*Ôhanaudo*, II, III)
228. *Oenanthe javanica* DC, (*Seri*, I, II)
229. *Osmorhiza aristata* Makino et Yabe (*Yabuninzin*, I, II)
230. *Peucedanum multivittatum* Maxim. (*Hakusan-bôfû*, V, VI)
231. *Pleurospermum camtschaticum* Hoffm. (*Ôkasamochi*, II, III)
232. *Sanicula chinensis* Bunge (*Umanomituba*, II)
233. *Tilingia ajanensis* Regel (*Chishimaninzin*, IV, V, VI)
234. *Tilingia holopetala* Kitagawa (*Ibukizeri*, III, IV, V)
235. *Torilis japonica* DC. (*Yabuzirami*, I)

FAM. CORNACEAE (Mizuki-ka)

236. *Cornus canadensis* L. (*Gozentachibana*, II, III. IV, V, VI)
237. *Cornus controversa* Hemsl. (*Mizuki*, II)

FAM. PYROLACEAE (Ichiyakusô-ka)

238. *Monotropastrum globosum* H. Andres (*Ginryôsô*, III)
239. *Pyrola alpina* H. Andres (*Kobanoichiyakusô*, III, IV)
240. *Pyrola Faurieana* H. Andres (*Karafuto-ichiyakusô*, V)
241. *Pylora japonica* Klenze form. *subaphylla* Ohwi (*Hitotsuba-ichiyakusô*,

III)

242. *Pyrola renifolia* Maxim. (*Zinyô-ichiyakusô*, I, II, III)

243. *Pyrola secunda* L. (*Ko-ichiyakusô*, III, IV)

FAM. EMPETARACEAE(Gankôran-ka)

244. *Empetrum nigrum* L. var. *japonicum* K. Koch (*Gankôran*, IV, V, VI)

FAM. DIAPENSIACEAE (Iwaume-ka)

245. *Diapensia japponica* L. subsp. *obovata* Hultén (*Iwaume*, IV, V, VI)

FAM. ERICACEAE (Shakunage-ka)

246. *Andromeda polifolia* L. (*Himeshakunage*, V, VI)

247. *Arcterica nana* Makino (*Komebatsugazakura*, IV, V, VI)

248. *Arctous alpinus* Niedenzu var. *japonicus* Ohwi (*Urashima-tsutsuzi*, IV, V, VI)

249. *Bryanthus Gmelini* D. Don (*Chishima-tsugazakura*, V)

250. *Cassiope lycopodioides* D. Don (*Iwahige*, IV, V, VI)

251. *Eubotryoides Grayana* Hara var. *oblongifolia* Hara (*Hanahirinoki*, III, IV)

252. *Gaultheria adenothrix* Maxim. (*Iwahaze*, III, IV, V, VI)

253. *Gaultheria Miqueliana* Takeda (*Shiratamanoki*, IV, V, VI)

254. *Harrimanella Stelleriana* Coville (*Zimukade*, V)

255. *Ledum palustre* L. var. *diversipilosum* Nakai (*Iso-tsutsuzi*, V, VI)

256. *Loiseleuria procumbens* Desv. (*Minezuô*, IV, V, VI)

257. *Menziesia pentandra* Maxim. (*Koyôraku-tsutsuzi*, III, IV)

258. *Oxycoccus quadripetalus* Gilib. (*Tsuru-kokemomo*, V)

259. *Phyllodoce aleutica* A. Heller (*Aono-tsugazakura*, V, VI)

260. *Phyllodoce caerulea* Bab. (*Ezono-tsugazakura*, V, VI)

form. *Takedana* Ohwi (*Yûpari-tsugazakura*, V, VI)

form. *yesonesis* Nakai (*Ko-ezo-tsugazakura*, V, VI)

261. *Phyllodoce tsugifolia* Nakai (*Nagabatsugazakura*, V, VI)

form. *viridiflora* Toyokuni (*Kaori-tsugazakura*, VI)

262. *Rhododendron Albrechti* Maxim. (*Murasakiyashio-tsutsuzi*, III, IV)

263. *Rhododendron aureum* Georgi (*Kibanashakunage*, V, VI)

264. *Rhododendron dauricum* L. (*Ezo-murasaki-tsutsuzi*, III)

265. *Rhododendron Fauriae* Franch. *Shirobanashakunage*, II, III)

266. *Rhododendron Tschonoskii* Maxim. (*Kome-tsutsuzi*, II, III)

267. *Therorhodion camtschaticum* Small (*Ezo-tsutsuzi*, IV, V, VI)

268. *Tripetaleia bracteata* Maxim. (*Miyama-hotsutsuzi*, II ··· s. p. f., IV, V)

269. *Vaccinium ovalifolium* Smith var. *coriaceum* H. Boiss. (*Ezokurousugo*, IV, V)

var. *subcoriaceum* Honda (*Marubano-ezokurousugo*, V)

270. *Vaccinium praestans* Lamb. (*Iwa-tsutsuzi*, II, III, IV, V)

271. *Vaccinium Smalli* A. Gray (*Ôbasunoki*, II, III, IV)
272. *Vaccinium uliginosum* L. var. *alpinum* Bigel. (*Kobanokuromamenoki*, IV, V, VI)
273. *Vaccinium Vitis-Idaea* L. var. *minus* Lodd. (*Kokemomo*, IV, V, VI)

FAM. MYRSINACEAE (Yabukôzi-ka)

274. *Bladhia japonica* Hornstedt (*Yabukôzi*) ·····(2)

FAM. PRIMULACEAE (Sakurasô-ka)

275. *Lysimachia Fortunei* Maxim. (*Numatoranoo*, I, II)
276. *Lysimachia vulgaris* L. subsp. *davurica* Tatew. form. *latifolia* Hara (*Hirohakusaredama*, II)
277. *Primula modesta* Biss. et Moore (*Yukiwariso*, IV ··· Gama-iwa)
278. *Primula yuparensis* Takeda (*yûparikozakura*, s. p. f. of IV and V)
279. *Trientalis europaea* L. (*Tsumatorisô*, IV, V,VI)

FAM. SYMPLOCACEAE (Hainoki-ka)

280. *Palura chinensis* Koidz. form. *pilosa* Hara (*Sawafutagi*, I, II)

FAM. STYRACACEAE (Egonokika)

281. *Styrax Obassia* Sieb. et Zucc. (*Hakuunboku*, II)

FAM. OLEACEAE (Mokusei-ka)

282. *Fraxinus lanuginosa* Koidz. var. *serrata* Hara (*Kobanotoneriko*, II)
283. *Fraxinus mandshurica* Rupr. var. *japonica* Maxim. (*Yachidamo*, I, II)
284. *Ligustrum Tschonoskii* Decne. (*Miyama-ibota*, I, II, III)
285. *Syringa reticulata* Hara (*Hashidoi*, I)

FAM. GENTIANACEAE (Rindô-ka)

286. *Fauria crista-galli* Makino (*Iwaicho*, IV, V ··· high moor)
287. *Gentiana Jamesii* Hemsl. (*Rishiririndô*, V)
288. *Gentiana nipponica* Maxim. (*Miyamarindô*, IV, V, VI)
form. *leucantha* Hara (*Shirobanamiyamarindô*, V)
289. *Gentiana triflora* Pall. var. *japonica* Hara subvar. *montana* Toyokuni (*Ezooyamarindô*, IV, V, VI)
290. *Gentiana Zollingeri* Fawc. (*Fuderindô*, I, II)
291. *Gentianella yuparensis* Satake (*Yûparirindô*, s. p. f. of II, IV, V and VI) form. *albiflora* Satake (*Shirobanayûparirindô*, s. p. f. of V)
292. *Swertia obtusa* Ledeb. var. *stenopetala* Reg. et Til. (*Ezomiyama-akebonosô*, V)[3)]
293. *Tripterospermum japonicum* Maxim. (*Tsururindô*, III, IV)

FAM. ASCLEPIADACEAE (Gagaimoka)

294. *Cynanchum caudatum* Maxim. (*Ikema*, I)

FAM. BORAGINACEAE (Murasaki-ka)

295. *Cynoglossum asperrimum* Nakai var. *yesoense* Nakai (*Ezorurisô*, I, II,

3) The writer has a question whether the present plant belongs to var. *stenopetala* described by Regel and Tiling or not, but he uses the above name until a more satisfactory revision will be made by specialists in this group.

III, IV)

296. *Eritrichium nipponicum* Makino (*Miyamamurasaki*, IV ··· Gama-iwa)

297. *Trigonotis Guilielmi* A. Gray (*Tachikamebasô*, IV)

FAM. LABIATAE (Shiso-ka)

298. *Clinopodium sachalinense* Koidz. (*Miyamatôbana*, III, IV)

299. *Glechoma hederacea* L. subsp. *grandis* Hara (*Kakidôshi*, I)

300. *Leonurus macranthus* Maxim. (*Kisewata*, I)

301. *Lycopus uniflorus* Michx. (*Ezoshirone*, I, II)

302. *Nepeta subsessilis* Maxim. (*Misogawasô*, IV)

303. *Prunella vulgaris* L. subsp. *asiatica* Hara (*Utsubogusa*, III, IV, V)

304. *Scutellaria dependens* Maxim. (*Himenamiki*, II)

305. *Scutellaria pekinensis* Maxim. var. *ussuriensis* Hand.-Mazz. (*Ezotatsunamisô*, I, II, III)

306. *Teucrium viscidum* Blume var. *Miquelianum* Hara (*Tsurunigakusa*, I,II)

307. *Thymus quinquecostatus* Celak. var. *ibukiensis* Hara (*Ibukijakôsô*, s. p. f. of IV and V)

FAM. SCROPHULARIACEAE (Gomanohagusa-ka)

308. *Lagotis glauca* Gaertner. ssp. *Takedana* Toyo. et Nosa. (*Yûbarisô*, s. p. f. of V)[4)]

309. *Mimulus inflatus* Nakai (*Mizohôzuki*, I, II, III, IV)

310. *Mimulus sessilifolius* Maxim. (*Ôbamizohôzuki*, III, IV)

311. *Pedicularis Chamissonis* Stev. var. *japonica* Maxim. (*Yotsubasiogama*, IV, V, VI)

312. *Pedicularis resupinata* L. form. *pubescens* Komar. (*Ke-shiogama*, IV, V, VI)

313. *Pedicularis yezoensis* Maxim. (*Ezoshiogama*, IV, V, VI)

314. *Pentstemon frutescens* Lambert (*Iwabukuro*,, IV, V, VI)

315. *Veronica Schmidtiana* Regel var. *yezoalpina* Yamazaki (*Ezomiyamatoranoo*. s. p. f. of IV, V and VI)

316. *Veronica serpyllifolia* L. subsp. *humifusha* Pennell (*Tengukuwagata*, V, VI)

317. *Veronica Stelleri* Pall. var. *longistyla* Kitagawa (*Ezohimekuwagata*, IV, V, VI)

FAM. LENTIBULARIACEAE (Tanukimo-ka)

318. *Pinguicula vulgaris* L. (*Mushitorisumire*, IV, V, VI)

FAM. PHRYMACEAE (Haedokusô-ka)

319. *Phryma Leptostachya* L. var. asiatica Hara (*Haedokusô*, II, III)

FAM. PLANTAGINACEAE (Ôbako-ka)

320. *Plantago asiatica* L. (*Ôbako*, I, II, III)　　(to be continued)

4) *Lagotis glauca* Gaertner subsp. Takedana (Miyabe et Tatewaki) Toyokuni et Nosaka ex Toyokuni in Journ. Geobot. IX : 13, 1960. Syn. *Lagotis Takedana* in Journ. Geobot. VIII : 105 & IX : 14.