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from the alpine region of Formosa, and in last September I also collected rich materials of it on mt. Gôkwan-zan. I regard it as a new species and offer here a description:

***Adiantum* (§ *Euadiantum*) *taiwanianum* TAGAWA, sp. nov.**

Rhizoma breviter repens vel ascendens, squamis nigrescens subulatis 2-3 mm. longis $\frac{1}{3}$ - $\frac{1}{2}$ mm. latis dense obtectum; frondibus caespitosis. Stipes 8-20 cm. longus castaneus nitidus basi leviter farinosus, squamis castaneis lanceolatis 2-3 mm. longis $\frac{1}{2}$ mm. latis apice longe acuminatis margine integris parce vestitus. Lamina lanceolata vel elongato-ovata 10-15 cm. longa 3-4 cm. lata apice obtusiuscula tri-vel quadri-pinnata; rhachi castanea nitida. Pinnae I. ord. ovatae obtusae erecto-patentes alternae petiolulatae, inferioribus a se 2-4 cm. remotis cum petiolulis (3-5 mm. longis) 2-4 cm. longis 1-1 $\frac{1}{2}$ cm. latis. Pinnae ultimae subcoriaceae brevipetiolutatae utrinque glabrae subtus pallidiorae; pinnis ultimis fertilibus subcordatis basi cuneatis apice profunde emarginatis (rarissime obtriangularibus apice tri-lobatis), 2-4 mm. longis et latis, margine integris; pinnis ultimis sterilibus obovatis vel obtriangularibus apice rotundatis obscure crenatis basi cuneatis 5-6 mm. longis 3-4 mm. latis. Sori basi sinuorum singuli majusculi; indusiis brunneis subrotundatis margine subintegris; sporis tetraedro-sphaericis.

Nom. Jap. Hime-hakonesida, nom. nov.

Hab. Formosa: between Sekigahara and Gôkwan (mt. Gôkwan-zan), about 3000 m. in height, prov. Kwarenkô (M. TAGAWA, no. 820, *Sept. 10. 1935*—Type in Herb. Imp. Univ. Kyoto); between Tutuzi and Minami (mt. Daisuikutu-zan), prov. Taityû (I. SIMOZAWA, *Dec. 1933*).

This new species is restricted within the alpine regions of Formosa and is resemblant to *Adiantum Roborowskii* MAXIMOWICZ and *Adiantum erythrochlamys* DIELS from China, from which it differs by much smaller ultimate pinnae, bearing generally one or rarely two sori. Veins are fine and free, principal veins are two, radiating from the apex of petiolule, each again once to thrice forked towards outer margin and not reached to it.

On the Nomenclature of some Ferns from Eastern Asia

By

M. TAGAWA

田川基二：東亞のシダ類三種の學名に就いて

The present article aims at the solution of the confusion of nomenclature between the following seven species described from Eastern Asia:

1. *Alsophila subglandulosa* HANCE from Formosa,

2. *Aspidium subtripinnatum* MIQUEL from Japan,
3. *Aspidium Maximowiczianum* MIQUEL from Japan,
4. *Nephrodium chinense* BAKER from China,
5. *Polypodium Oldhami* BAKER from Formosa,
6. *Nephrodium rhodolepis* CLARKE from North India,
7. *Nephrodium Matsumurae* MAKINO from Japan.

(1) *Dryopteris* (§ *Ctenitis*) *subtripinnata* O. KUNTZE, Rev. Gen. Pl. II. 811 (1891), excl. syn. *Nephrodium chinense* BAKER;—CHRISTENSEN, Ind. Fil. 296 (1905), pro parte.

Alsophila subglandulosa HANCE in Ann. sc. nat. V. 5. 253 (1866); —HOOKER & BAKER, Syn. Fil. 44 (1867);—HENRY, List Pl. Formos. 109 (1896);—MATSUMURA, Ind. Pl. Jap. I. 286 (1904);—MATSUMURA & HAYATA, Enum. Pl. Formos. 572 (1906);—MAKINO & NEMOTO, Fl. Jap. 1675 (1925).

Cyatea subglandulosa COPELAND in Philipp. Journ. Sc. Bot. IV. 46 (1909).

Dryopteris subglandulosa HAYATA, Ic. Pl. Formos. VI. 101 (1917), non O. KUNTZE (1891);—NAKAI in Bot. Mag. Tokyo, XLI. 74 (1927).

Aspidium subtripinnatum MIQUEL, Ann. Mus. Bot. Lugd. Bat. III. 179 (1867);—FRANCHET & SAVATIER, Enum. Pl. Jap. II. 240 (1876), pro parte.

Nephrodium subtripinnatum (non BAKER) MATSUMURA, l. c. 325, pro parte.

Polypodium Oldhami BAKER in HOOKER & BAKER, l. c. 311;—HENRY, l. c. 114;—MATSUMURA, l. c. 337;—MATSUMURA & HAYATA, l. c. 635.

Dryopteris Oldhami CHRISTENSEN, Ind. Fil. 280 (1905); Suppl. III. 93 (1934);—MAKINO & NEMOTO, l. c. 1619.

Nephrodium rhodolepis CLARKE in Tr. Linn. Soc. II. Bot. I. 526 (1880).

Dryopteris rhodolepis CHRISTENSEN, Ind. Fil. 288 (1905), pro parte; in Act. Hort. Gothob. I. 63 (1924);—ROSENBURGH, Malayan Ferns, 202 (1908);—MAKINO & NEMOTO, l. c. 1623, excl. syn.

Dryopteris Maximowicziana KOIDZUMI var. *rhodolepis* KOIDZUMI, Fl. Symb. Orient.-Asiat. 22 (1930).

Nephrodium intermedium BAKER in HOOKER & BAKER, l. c. 283, pro parte;—HENRY, l. c. 113;—CHRIST in Bull. Herb. Boiss. IV. 672 (1896);—MATSUMURA, l. c. 320;—MATSUMURA & HAYATA, l. c. 575.

Aspidium intermedium (non BLUME) FRANCHET & SAVATIER, l. c. 241;—CHRIST in Bull. Herb. Boiss. 2 sér. I. 1018 (1901);—MATSUMURA l. c. 384.

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Aspidium lepigerum CHRIST in WARBURG, *Monsonia*, I. 82 (1900), pro parte;—MATSUMURA, l. c. 288, excl. syn. et pl. ex Bonin.

Aspidium leucostipes CHRIST in Bull. Herb. Boiss. 2 sér. IV. 615 (1904).

Dryopteris Maximowicziana KOIDZUMI, l. c. 21, excl. syn. *Aspidium Maximowiczianum* MIQUEL.

Nom. Jap. Ko-kinmôinode, Katumô-inode, Mokuba.

Hab.

Honsyû : Nati, prov. Kii (G. KOIDZUMI, *Aug. 2, 1922*); Katuura, prov. Kii (J. OHWI & M. TAGAWA, *Oct. 11, 1931*); Asaragi, Higasitonda-mura, prov. Kii (Z. TASIRO, *Oct. 16, 1932*).

Sikoku : Ryû, Usa-mati, prov. Tosa (Z. TASIRO, *Aug. 26, 1913*); Asizurizaki, prov. Tosa (G. KOIDZUMI, *Aug. 17, 1934*).

Kyûsyû : Nagasaki, prov. Hizen (U. FAURIE, no. 4988, *May 5, 1901*); ibid. (U. FAURIE, no. 15661, *May 10, 1895*—identified by CHRIST with *Nephrodium intermedium* BAK.); ibid. (U. FAURIE, no. 434, *Nov. 1913*); Gotô, prov. Hizen (U. FAURIE, no. 4880, *May 1901*); Is. Hukae-zima, prov. Hizen (Z. TASIRO, *July 7, 1923*); mt. Kurokami-yama, prov. Hizen (Collector unknown, *July 6, 1919*); mt. Iwaya-san, prov. Hizen (Z. TASIRO, *Jan. 7, 1912*); Yosii-mura, prov. Hizen (Z. TASIRO, *Sept. 3, 1933*); mt. Takada-yama, Yatusiro-gun, prov. Higo (T. YAMADA, *Dec. 1908*); Miyadimura, prov. Higo (K. MAYEBARA, *Dec. 6, 1925*); Honzyô-tôge near Itiki, prov. Hyûga (Z. TASIRO, *May 3, 1922*); Sakatani-mura, prov. Hyûga (Z. TASIRO, *Oct. 23, 1913*); mt. Kirisima-yama, prov. Hyûga (H. SAKURAI, *July 23, 1901*); Kawanabe, prov. Satsuma (N. SINAGAWA); Kadiki, prov. Ôsumi (Z. TASIRO, *May 25, 1917*); Is. Birô-zima, prov. Ôsumi (Z. TASIRO, *Dec. 1914*); Yamada-mura, prov. Ôsumi (Z. TASIRO, *Feb. 13, 1913*); Tasiro-mura, prov. Ôsumi (Z. TASIRO, *July 28, 1928*); Is. Yaku-sima, prov. Ôsumi (G. KOIDZUMI, *Sept. 1921*); mt. Miyanoura-dake, Is. Yaku-sima, prov. Ôsumi (Z. NAKAE, *Aug. 1913*); Kusukawa, Is. Yaku-sima, prov. Ôsumi (K. YAMAGUTI & T. NAGAO, *July 30, 1917*); Nagata, Is. Yaku-sima, prov. Ôsumi (K. YAMAGUTI & T. NAGAO, *July 24, 1917*).

Ryûkyû : Is. Amami-Ôsima (U. FAURIE, no. 4534, *July 1900*—identified by CHRIST with *Aspidium intermedium* BL.); Nisinakama, Is. Amami-Ôsima (H. ÔBA); Toen, Is. Amami-Ôsima (H. ÔBA); Is. Okinoerabu-zima (M. UEDA, *Aug. 2, 1912*); Is. Toku-no-sima (H. ÔBA); mt. Yonah-dake, Is. Okinawa (Z. TASIRO, *Feb. 23, 1924*); mt. Dinka-zan, Is. Okinawa (S. SAKAGUTI, *March 1922*); Okunoyama, Is. Okinawa (G. KOIDZUMI, *May 14, 1923*); Sade, Is. Okinawa (G. KOIDZUMI, *May 1923*).

Formosa : near Doba, Ratô-gun, prov. Taihoku (M. TAGAWA, no. 129, *July 29, 1934*); mt. Daiton-zan, prov. Taihoku (M. TAGAWA, no. 639, *Aug.*

29, 1934); mt. Syôagyoku-san, Bunzan-gun, prov. Taihoku (N. FUKUYAMA, May 10, 1932); Tomita-tyô, Taihoku (T. TANAKA & Y. SIMADA, no. 13591, May 25, 1933); Kîrun, prov. Taihoku (U. FAURIE, no. 658, May 13, 1903—identified by CHRIST with *Aspidium leucostipes* CHRIST); “Shakko,” prov. Tainan? (U. FAURIE, no. 49, Dec. 1913); Urai, prov. Taihoku (U. FAURIE, no. 50, Apr. 1914); Kusyaku, prov. Taihoku (U. FAURIE, no. 659, June 8, 1903—identified by CHRIST with *Aspidium leucostipes* CHRIST).

Since BAKER has reduced *Aspidium subtripinnatum* MIQ. to the synonym of *Nephrodium chinense* BAK., this MIQUEL's plant has been called *Nephrodium intermedium* BAK. or *Dryopteris rhodolepis* C. CHR. by many botanists. In 1930 Dr. G. KOIDZUMI cleared up the distinction between these two species, but unfortunately he confounded *Aspidium subtripinnatum* MIQ. and *Aspidium Maximowiczianum* MIQ. and named the former *Dryopteris Maximowicziana* KOIDZ., thus the nomenclatural confusion was not settled. *Alsophila subglandulosa* HANCE and *Polypodium Oldhami* BAK. from Formosa and *Nephrodium rhodolepis* CLARKE from North India differ from *Aspidium subtripinnatum* MIQ. in no respect. *Aspidium lepigerum* CHRIST and *Aspidium leucostipes* CHRIST reported by CHRIST from Japan (excl. Bonin) are nothing but this species. I adopt ***Dryopteris subtripinnata*** O. KTZE. as a valid name for the species under consideration and add the above synonymy to it.

The present fern is common in Formosa and the Ryûkyû (Loochoo) Islands and also rather common in the western and southern parts of Kyûsyû. But in Honsyû and Sikoku this is restricted within the warm local parts affected much by the Black (Japan) Current, for instance prov. Tosa, prov. Kii, prov. Idu, prov. Awa (Bôsyû) and the Islands of Idu-sititô.

(2) ***Dryopteris*** (§ *Eudryopteris* ?) ***chinensis*** (BAKER) KOIDZUMI, Fl. Symb. Orient.-Asiat. 39 (1930).

Nephrodium chinense BAKER in HOOKER & BAKER, Syn. Fil. 278 (1867); ed. 2. 278 (1874), excl. syn.;—YABE in Bot. Mag. Tokyo, XVII. 64 (1903).

Nephrodium subtripinnatum BAKER in HOOKER & BAKER, l. c. 455 (1868); excl. syn.;—DIELS in ENGLER & PRANTL, Nat. Pflanzenfam. I-4. 174 (1899);—PALIBIN, Consp. Fl. Kor. III. 40 (1901);—MATSUMURA, Ind. Pl. Jap. I. 325 (1904), pro parte.

Aspidium subtripinnatum (non MIQ.) FRANCHET & SAVATIER, Enum. Pl. Jap. II. 240 (1876), pro parte;—CHRIST in Bull. Herb. Boiss. 2 sér. II. 829 (1902);—MATSUMURA, l. c. 385.

Dryopteris subtripinnata O. KUNTZE, Rev. Gen. Pl. II. 811 (1891), pro parte;—CHRISTENSEN, Ind. Fil. 296 (1905), pro parte;—LÉVEILLÉ in Bull.

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Acad. Int. Géogr. Bot. XX. 6 (1910);—NAKAI, Fl. Kor. II. 390 (1911); in Bot. Mag. Tokyo, XXVIII. 71 (1914);—KODAMA in MATSUMURA, Ic. Pl. Koisikav. IV. pl. 231 (1918);—MAKINO & NEMOTO, Fl. Jap. 1626 (1925);—OGATA, Ic. Fil. Jap. II. pl. 76 (1929);—? MIYABE & KUDO, Fl. Hokkaido & Saghal. I. 14 (1930);—CHING in Sinensia, III. 328 (1932).

Aspidium Forbesii HANCE in Journ Bot. XIII. 198 (1875).

Nom. Jap. Hosoba-no-itatisida, Misuki-kaguma.

Hab.

Honsyû: Sendai, prov. Rikuzen (U. FAURIE, no. 1542, Oct. 14, 1898); ibid. (U. FAURIE, no. 5402, Oct. 1903); Onikôbe, prov. Rikuzen (U. FAURIE, no. 988, July 13, 1897); Siogama near Sendai, prov. Rikuzen (U. FAURIE, no. 7230, Oct. 1905); ibid. (U. FAURIE, no. 287, Oct. 1913); Nakamura, prov. Iwaki (E. ÎSIBA, Oct. 16, 1919); Samekawa-mura, prov. Iwaki (T. SUZUKI, Nov. 1930); Koseki-mura, prov. Iwaki (N. IMAI, Oct. 1918); ibid. (N. IMAI, Oct. 3, 1916); ibid. (N. IMAI, Sept. 11, 1928); Koharada near Kôriyama, prov. Iwaki (Y. IGARASI, Aug. 20, 1934); Tamari-mura, Niihari-gun, prov. Hidati (Y. TURUMATI, Aug. 14, 1915); Takao, prov. Musasi (U. FAURIE, no. 85, July 1912); mt. Hôraizi-yama, prov. Mikawa (N. KINASI, Apr. 1, 1923); Tadimi, prov. Mino (K. SIODA, no. 21, July 6, 1921); Yamanokuti, prov. Hida (Z. TASIRO, Sept. 15, 1929); mt. Tate-yama, prov. Ettyû (U. FAURIE, no. 288, Aug. 1913); Ôgi-tôge, Ôgi-mura, prov. Ômi (M. TAGAWA, no. 151, Aug. 21, 1931); mt. Hiei-zan, prov. Yamasiro (I. SISIDO, June 25, 1902); without accurate locality, prov. Yamato (S. SAKAGUTI, June 1930); Miwa, prov. Yamato (Y. MATUMURA, June 1929); mt. Muro-yama, prov. Tanba (Z. TASIRO, July 22, 1928), between Muro and Itizima near Hukutiyama, prov. Tanba (R. KISINO, July 22, 1928); mt. Hangoku-zan, prov. Tanba (K. TAKEUTI, Aug. 1930); Ikuno, prov. Tazima (M. TAGUTI, Oct. 17, 1928); Syôbara, prov. Bingo (Z. TASIRO, Sept. 11, 1926).

Sikoku: mt. Zinkiti-mori, Umadi-mura, prov. Tosa (M. TAGAWA, no. 361, Aug. 20, 1930); Matuyama, prov. Iyo (D. ISIKAWA, July 1924); mt. Takanawa-yama, prov. Iyo (Z. TASIRO, Sept. 28, 1930); mt. Isiduti-san, prov. Iyo (Y. DOI, no. 255, Aug. 21, 1929); mt. Nametoko-yama, prov. Iyo (M. OGATA, Aug. 23, 1925).

Kyûsyû: Tôsan-mura, Simoagata-gun, prov. Tusima (K. NAKAZIMA, no. 108, July 29, 1933); mt. Hôman-zan, prov. Tikugo (Y. NABESIMA, Oct. 5, 1922); Yabakei, prov. Bungo (Z. TASIRO, Aug. 1922); Yamada in Kusu-mati, prov. Bungo (K. IKEBE, June 24, 1927); mt. Sobo-san, prov. Bungo (Z. TASIRO, Aug. 24, 1911); Mannen-yama, Kusu-mati, prov. Bungo (K. IKEBE, Aug. 25, 1927); mt. Syakuma-san, prov. Bungo (Collector unknown,

July 22, 1921); mt. Yuhu-dake, prov. Bungo (Collector unknown, *Aug. 25, 1916*); mt. Katamuki-yama, prov. Bungo (Collector unknown, *Aug. 3, 1921*); Aso, prov. Higo (Z. TASIRO, *Aug. 31, 1907*); Kamida, Kitaoguni-mura, prov. Higo (O. SIGA); Osuzu-yama, prov. Hyûga (Z. TASIRO, *Oct. 10, 1920*); Iwado-mura, prov. Hyûga (M. OGATA, *Jan. 10, 1913*); *ibid.* (M. OGATA, *Aug. 24, 1915*); mt. Takakuma-yama, prov. Ôsumi (T. HINO); *ibid.* (Z. TASIRO, *Sept. 27, 1924*).

Korea: Huzan, prov. Keinan (U. FAURIE, no. 99, *May 1906*); mt. Kongô-san, prov. Kôgen (U. FAURIE, no. 63, *June 24, 1906*); Nanzan, prov. Keiki (T. UTIYAMA, *July 30, 1902*); *ibid.* (U. FAURIE, no. 727, *May 1901*); Katô, Katô-gun, prov. Keinan (IGARASI); "*in sylvis koreae mediae*" (U. FAURIE, no. 729, *Sept. 3, 1901*); without locality (Z. TASIRO); Is. Quelpaert (U. FAURIE, no. 2146, *Aug. 1907*); *ibid.* (U. FAURIE, no. 62, *Oct. 1906*).

This species originally described from China is widely distributed in Honsyû (except its northern part), Sikoku, Kyûsyû, the southern half of Korea and the Island of Quelpaert. The reports of this from Hokkaidô (Yezo) made by MATSUMURA (l.c.) under the name of *Nephrodium subtripinnatum* BAK. and by MIYABE & KUDO (l.c.) under the name of *Dryopteris subtripinnata* O. Ktze. may be a mistake for something else.

I have some doubts about the systematic position of this fern. In general habit and its dermal appendages this resembles to the species of § *Eudryopteris* and particularly to the compound leaved species, but differs from them in the anadromous arrangement of the lowest pinnule of the first and second order and of the basal vein in the ultimate pinnule. I have noticed this arrangement in most specimens examined, and at the same time I have found the opposite basal pinnule of the primary medial pinna in a few specimen. Laying stress upon the anadromous arrangement *Rumohra* would be the competent genus for this fern.

(3) ***Dryopteris*** (§ *Ctenitis*) ***Maximowicziana*** (MIQUEL) CHRISTENSEN in *Act. Hort. Gothob.* I. 63 (1924).

Aspidium Maximowiczianum MIQUEL, *Ann. Mus. Bot. Lugd. Bat.* III. 178 (1867); —FRANCHET & SAVATIER, *Enum. Pl. Jap.* II. 239 (1876); —Baker in *Ann. Bot.* V. 314 (1891); —MATSUMURA, *Ind. Pl. Jap.* I. 288 (1904).

Aspidium Matsumurae MAKINO in *Bot. Mag. Tokyo*, VI. 46 (1892), nom. nud.

Nephrodium Matsumurae MAKINO in *Bot. Mag. Tokyo*, XIII. 63 (1899); —MATSUMURA, l. c. 321; —HANDEL-MAZZETTI, *Symb. Sinic.* VI. 25 (1929).

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Dryopteris Matsumurae CHRISTENSEN, Ind. Fil. 277 (1905); Suppl. III. 91 (1934);—MAKINO & NEMOTO, Fl. Jap. 1617 (1925);—OGATA, Ic. Fil. Jap. IV. Pl. 171 (1931).

Aspidium spectabile (non WALLICH) CHRIST in Bull. Herb. Boiss. 2 sér. I. 1021 (1901);—MATSUMURA, l. c. 385.

Nom. Jap. Siraga-sida, Kiyozumi-himewarabi.

Hab.

Honsyû: Takao, prov. Musasi (U. FAURIE, no. 83, *July 1912*); Yugasima, prov. Idu (U. FAURIE, no. 55, *Oct. 1912*); Hakkô-zan, prov. Tôdômi (G. HASIMOTO, no. 107, *Aug. 27, 1933*); mt. Hiei-zan, prov. Ômi (K. YAMAMOTO, no. 23, *1932*); Okabo-mura, prov. Etizen (H. YOSIDA, *Sept. 25, 1934*); Tii-mura, prov. Tanba (S. OKAMOTO, *Dec. 24, 1934*); Motoise, prov. Tango (Y. ARAKI, *Sept. 1, 1929*); mt. Ôe-yama, prov. Tango (R. KISINO, *Sept. 7, 1929*); mt. Katuozi-yama near Minoo, prov. Settu (S. KUWAZIMA, *Nov. 23, 1933*); mt. Kasuga-yama, prov. Yamato (G. KOIDZUMI, *Oct. 1922*); Murô, prov. Yamato (G. KOIDZUMI, *July 3, 1922*); mt. Nati, prov. Kii (J. OHWI & M. TAGAWA, *Oct. 14, 1934*); mt. Kôya-san, prov. Kii (Y. NUMAZIRI).

Sikoku: mt. Yokogura-yama, prov. Tosa (Z. TASIRO, *Sept. 1, 1913*); ibid. (G. KOIDZUMI, *Aug. 22, 1934*); Namura, Ioki-mura, prov. Tosa (M. TAGAWA, no. 317, *Aug. 6, 1930*); mt. Tairyûzi-yama near Tokusima, prov. Awa (Z. TASIRO, *Aug. 18, 1930*); Iwaya-dera, Kamiukena-gun, prov. Iyo (G. KOIDZUMI, *Aug. 10, 1934*).

Kyûsyû: mt. Eigen-zan, prov. Bungo (Z. TASIRO, *Aug. 9, 1920*); Yabakei, prov. Bungo (Z. TASIRO, *July 1922*); mt. Taisen-zan, prov. Bungo (Z. TASIRO, *Aug. 12, 1916*); mt. Tara-dake, prov. Hizen (T. TIBA, *Oct. 24, 1920*); ibid. (U. FAURIE, no. 2895, *June 10, 1899*); mt. Kurokami-yama, prov. Hizen (Z. TASIRO, *June 25, 1906*); mt. Iwaya-san, prov. Hizen (Z. TASIRO, *July 24, 1911*); Tuetate, Kitaoguni-mura, Aso-gun, prov. Higo (Z. TASIRO, *Aug. 25, 1921*); mt. Itihusa-yama, prov. Higo (U. FAURIE, no. 4535, *June 1900*—identified by CHRIST with *Aspidium spectabile* WALL.); mt. Osuzu-yama, prov. Hyûga (Z. TASIRO, *Oct. 10, 1920*); Nagao-Zigyôku, prov. Hyûga (Z. TASIRO, *Oct. 1927*); mt. Boroisi-yama, prov. Hyûga (Z. TASIRO, *June 11, 1920*); Yonera, prov. Hyûga (Z. TASIRO, *Aug. 1920*); Kirisima, prov. Hyûga (Z. TASIRO, *Nov. 1927*); Iwado-mura, prov. Hyûga (M. OGATA, *Aug. 2, 1912*); Oike, prov. Hyûga, (H. ÔBA, *Aug. 9, 1932*); Is. Kosiki-zima, prov. Satuma (Z. TASIRO, *March 26, 1923*); mt. Kunimi-yama, prov. Ôsumi (Z. TASIRO, *June 11, 1923*); mt. Takakuma-yama, prov. Ôsumi (Z. TASIRO, *Sept. 27, 1924*); ibid. (G. KOIDZUMI, *Apr. 1923*); Tasiro-mura, prov. Ôsumi (Z. TASIRO, *July 27, 1928*).

This is rather common in Kyûsyû, Sikoku and the warmer regions of Honsyû and also found in Honan, China.

Dryopteris Matsumurae C. CHR. has already been suspected by CHRISTENSEN (1924) and HANDEL-MAZZETTI (1929) to be identical with *Aspidium Maximowiczianum* MIQ. I fall in with their views, but can not adopt HANDEL-MAZZETTI'S nomenclature. FAURIE no. 4535 identified by CHRIST with *Aspidium spectabile* WALL. is infact very typical form of the present species.

Dryopteris subtripinnata* var. *Sakurarii ROSENSTOCK in FEDDE, Repert. XIII. 132 (1914).

This differs specifically from *Dryopteris chinensis* KOIDZ. (*Dryopteris subtripinnata* auct.) in the shape of lamina, the cellular structure of scales at the base of stype, the situation of sori, the sicker texture and the catadromous arrangement of the first secondary pinnule of the primary medial pinna.

Dryopteris subtripinnata* var. *bunkikiyense ROSENSTOCK in Hedwigia, LVI. 342 (1915).

I beleive this may be a distinct species, though I have examined no authentic specimen.

Dryopteris subtripinnata* var. *polylepis NAKAI in Bot. Mag. Tokyo, XLV. 102 (1931).

This is a lobast, scaly and more finly dissected form of *Dryopteris chinensis* KOIDZ.

摘 要

MIQNEL が記載した日本のシダ類に *Aspidium subtripinnatum* MIQ. というものがある。これは BAKER が *Nephrodium chinense* BAK. の異名に下して以来今日までホソバナイタチシダと思はれてゐたが、1930年小泉博士はこれら二種類の區別を明にせられ *N. chinense* BAK. がホソバナイタチシダであつて *A. subtripinnatum* MIQ. はコキンマウキノデであると唱へられ、ホソバナイタチシダの學名を *Dryopteris chinensis* KOIDZ. と改められたが、不幸にも *A. subtripinnatum* MIQ. を *Aspidium Maximowiczianum* MIQ. と混同してコキンマウキノデの學名を *Dryopteris Maximowicziana* KOIDZ. と改められた爲に再び混亂が起つた。この *A. Maximowiczianum* MIQ. も日本のシダ類につけられたものでキヨズミヒメワラビのことである。このことはすでに1924年に CHRISTENSEN が注意してゐる。なほ臺灣のネバリヘゴ *Alsophila snbglan-dulosa* HANCE とオールドシダ *Polypodium Oldhami* BAK. とは共にコキンマウキノデである。そこでコキンマウキノデ、ホソバナイタチシダ、キヨズミヒメワラビの學

May, 1935.

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名は次のやうになる。

Dryopteris subtripinnata O. KUNTZE コキンマウキノデ、カツマウキノデ、モクバ、ネバリヘゴ、ミツセンヘゴ、オールドシダ

臺灣、琉球、九州(南部、西部)、四國(土佐)、本州(紀伊、安房)

Dryopteris chinensis KOIDZ. ホソバノイタチシダ、ミサキカグマ
本州、四國、九州、朝鮮(南半)、濟洲島

Dryopteris Maximowicziana C. CHR. キヨズミヒメワラビ、シラガシダ
本州(暖地)、四國、九州

佐藤潤平氏採集菊科植物

北 村 四 郎

S. KITAMURA: *Compositae Junpeianae*

旅順植物園の佐藤潤平氏は滿蒙の野を多年勇敢に採集され、滿蒙植物寫真輯、滿洲造園樹木、東烏珠穆沁植物調査報告等の著者で、私には數年來の同好の友である。それは私が大學三回生の時、滿洲を採集した時同氏にお目にかゝる事が出來旅順の赤羽町の私宅で色々話を伺つたり、勵げませられたのに始まる。今度同氏は滿蒙の菊科植物標品を惠與され、小生の意見を求めらるゝので御返事を作つたが、新種があつたり私が始めて見るものがあつてうれしきまゝに其の記事を登載する。

No. 3531	<i>Artemisia Adamsii</i> BESS.	滿洲里
No. 3518	<i>A. aurata</i> KOMAROV.	海拉爾
No. 3517	<i>A. capillaris</i> THUNB.	海拉爾
No. 3521	<i>A. Dracunculus</i> L.	滿洲里
No. 3511	<i>A. frigida</i> WILLD.	洮南
No. 3533	<i>A. Halodenkron</i> TURCZ.	海拉爾
No. 3525	<i>A. laciniata</i> WILLD.	海拉爾
No. 3523	<i>A. maritima</i> L.	滿洲里
No. 3510	<i>A. pectinata</i> PALL.	洮南
No. 1284	<i>A. sacrorum</i> var. <i>intermedia</i> f. <i>discolor</i> KOMAROV.	伊勒克特
No. 3526	,,	滿洲里
No. 1309	<i>A. scoparia</i> WALD. et KIT.	旅順
No. 3537	<i>Asteromoea integrifolia</i> LOES.	渾河驛附近