

Naohide HIRATSUKA*: **Materials for a rust-flora of
Eastern Asia (2)****

平塚直秀*: 東アジア銹菌フロラ資料(2)

27) **Uromyces striatus** Schröter in Abhandl. Schles. Ges. 48: 11 (1872); Ito, Myc. Fl. Jap. II, 3: 99 (1950).

Hab. II, III. On *Medicago sativa* L. (Murasaki-umagoyashi) (cultivated). Japan Proper:—Honshu: Prov. Sagami: Jogashima (Misaki-machi) (Sept. 24, 1951, T. Kodzu). New to Honshu!

28) **Uromyces proeminens** (DC.) Léveillé in Ann. Sci. Nat. II. Sér. 8: 371 & 375 (1847); Ito, Myc. Fl. Jap. II, 3: 112 (1950).

Hab. 0, I, II, III. On *Euphorbia supina* Rafin. (*Chamaesyce supina* Moldenke) (Ko-nishikiso). Japan Proper:—Honshu: Prov. Musashi: Tokyo Suginami (Shimotakaido) (July 4, 1953, H. Hiratsuka; July 24, 1951 & Oct. 19, 1953, N. Hiratsuka); Tokyo-Meguro (Komaba) (Aug. 11, 1953, H. Hiratsuka). This species is new to Honshu, and *Euphorbia supina* is a new host plant for it.

29) **Uromyces Geranii** Fries, Summa Veg. Scand. 514 (1849); Ito, Myc. Fl. Jap. II, 3: 111 (1950).

Hab. (0, I), II, III. On *Geranium eriostemon* Fisch. var. *Reinii* Maxim. (Gun-naifuuro). Japan Proper:—Honshu: Prov. Suruga: Mt. Fuji (Otasuke-goya) (July 28, 1953, S. Sato). In Japan Proper, *Geranium eriostemon* var. *Reinii* is a new host plant for this species.

30) **Uromyces Heimerlianus** Magnus in Ber. Deutsch. Bot. Ges. 25: 253 & pl. IX, figs. 23-31 (1907); Sydow, Monogr. Ured. 2: 137 (1909).

Syn. *Uromyces Fischeri-Eduardi* Magnus in Ber. Deutsch. Bot. Ges. 25: 340 & pl. IX, figs. 32-38 (1907); Sydow, Monogr. Ured. 2: 136 (1909).

Hab. 0, I. On *Euphorbia adenochlora* Morr. et Decne. (*Galarhoeus adenochlorus* Hara) (Nourushi). Japan Proper:—Honshu: Prov. Musashi: Tsuchiai-mura (Kita-adachi-gun) (April 27, 1947, N. Hiratsuka; May 10, 1952, N. Hiratsuka & S. Sato; May 16, 1953, S. Sato; May 5, 1954, N. Hiratsuka, S. Sato & T. Yamagata).

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II, III. On *Vicia amoena* Fisch. (Tsuru-fujibakama). Japan Proper :—Honshu : Prov. Musashi : Tsuchiai-mura (Kita-adachi-gun) (May 17 & Aug. 20, 1951, N. Hiratsuka & S. Sato). This species is new to Japan, and *Euphorbia adenochlora* is a new host plant for it.

31) **Puccinia Adenophorae** Dietel in Ann. Myc. 28: 276 (1930) ; Ito, Myc. Fl. Jap. II, 3: 309 (1950).

Hab. III. On *Adenophora nikoensis* Franch. et Sav. form. *macrocalyx* Takeda (Obana-no-hime-shajin). Japan Proper :—Honshu : Prov. Suruga : Mt. Fuji (Ota-suke-goja) (July 28, 1953, S. Sato).

III. On *Adenophora remotiflora* Miq. (Sobana). Japan Proper :—Kiushu : Prov. Hiuga : Mt. Shiraiwa (July 17, 1953, S. Hirata).

This species is new to Kiushu, and *Adenophora nikoensis* form. *macrocalyx* is a new host plant for it.

32) **Puccinia Asteris** Duby in Bot. Gall. 2: 888 (1830) ; Ito, Myc. Fl. Jap. II, 3: 314 (1905).

Hab. III. On *Aster Miqueliana* Hara (Oba-yomena). Japan Proper :—Kiushu : Prov. Hiuga : Mt. Shiraiwa (July 16 & Sept. 26, 1953, S. Hirata). This species is new to Kiushu, and *Aster Miqueliana* is a new host plant for it.

33) **Puccinia Senecionis** Libert, Pl. Crypt. Ard. 1: no. 92 (1830) ; Ito, Myc. Fl. Jap. II, 3: 336 (1950).

Hab. 0, I, III. On *Senecio cannabifolius* Less. (Hangonso). Japan Proper :—Honshu : Prov. Shimotsuke : Yumoto (Nikko) (Aug. 23, 1953, N. Hiratsuka & T. Yamagata). New to Honshu.!

34) **Puccinia Heerigiana** Klebahn in Krypt. Mark Brandenb. 5a: 527 & fig. B 127 (1912) ; Ito, Myc. Fl. Jap. II, 3: 320 (1950).

Hab. III. On *Chrysanthemum cinerariaefolium* Visiani (Shirobana-mushioyoke-giku) (cultivated). Japan Proper :—Honshu : Prov. Bingo : Jyoge-machi (Oct. 8, 1939, M. Yamanouchi). *Chrysanthemum cinerariaefolium* is a new host plant for the present species.

35) **Puccinia vomica** Thümen in Bull. Soc. Imp. Nat. Moscou, 55: 209 (1880) ; Ito, Myc. Fl. Jap. II, 3: 334 (1950).

Hab. III. On *Saussurea nipponica* Miq. subsp. *kiusiana* Kitam. (Tsukushi-tohiren). Japan Proper :—Kiushu : Prov. Hiuga : Mt. Shiraiwa (July 16, 1953, S. Hirata) ; Mt. Goyu (July 25, 1953, S. Hirata) ; Mt. Kurumi (July 25, 1953, S. Hirata). The present species is new to Kiushu, and *Saussurea nipponica* var.

kiusiana is a new host plant for it.

36) **Puccinia Violae** De Candolle, Fl. Fr. 6: 62 (1815); Ito, Myc. Fl. Jap. II, 3: 266 (1950).

Hab. (0, I), II, III. On *Viola japonica* Langsd. (Ko-sumire). Japan Proper:—Kiushu: Prov. Chikuzen: Mt. Fukuchi-yama (Oct. 25, 1936, E. Tobinaga).

(0, I), II, III. On *Viola shikokiana* Mak. (Shikoku-sumire). Japan Proper:—Kiushu: Prov. Buzen: Mt. Hikosan (Sept. 2, 1934, S. Tobinaga).

Viola japonica and *V. shikokiana* are new hosts for the present species.

37) **Puccinia coronata** Corda, Icon. Fung. 1: 6 (1837); Ito, Myc. Fl. Jap. II, 3: 148 (1950).

Hab. II, III. On *Holcus lanatus* L. (Shirage-gaya) (cultivated). Japan Proper:—Kiushu: Prov. Musashi: Tokyo (Komaba) (Dec. 16, 1953, N. Hiratsuka & S. Sato).

38) **Puccinia Schedonnardi** Kellerman et Swingle in Jour. Myc. 4: 95 (1888).

Hab. II, III. On *Sporobolus indicus* R. Br. (Nezumi-no-o). Japan Proper:—Shikoku: Prov. Tosa: Nakamura-machi (Dec. 7, 1940, Y. Morimoto). New to Japan!

39) **Puccinia exhausta** Dietel in Bon. Jahrb. 28: 283 (1900); Ito, Myc. Fl. Jap. II, 3: 249 (1950).

Hab. III. On *Clematis apūfolia* DC. (Botanzūru). Japan Proper:—Honshu: Prov. Musashi: Asakawa-machi (Sept. 19, 1953, N. Hiratsuka).

Clematis apūfolia is a new host plant for this species.

40) **Puccinia praegracilis** Arthur in Bull. Torr. Bot. Club, 34: 585 (1907).

Syn. *Aecidium Graebnerianum* Hennings in Hedwigia, 37: 273 (1898); Ito, Myc. Fl. Jap. II, 3: 362 (1950).

Aecidium alaskanum Trelease in Harriman Alaska Exped. 37 (1904).

Puccinia Connersii Savile in Mycologia, 42: 665 (1950).

Puccinia praegracilis var. *praegracilis* Savile in Mycologia, 43: 457 (1951).

Puccinia praegracilis var. *Connersii* Savile, l. c. 458 (1951).

Hab. 0, I. *Orchis aristata* Fisch. (Hakusan-chidori). Kuriles:—Kunashiri (Sainokawara to Shiranuka) (July 28, 1929, M. Nagai & M. Shimamura). Japan Proper:—Hokkaido: Prov. Ishikari: Mt. Kuro-dake (Daisetsu Mts.) (Aug. 4, 1925, N. Hiratsuka). Prov. Nemuro: Nemuro (July 14, 1926, Naoharu Hiratsuka); Ochiishi (July 17, 1924, N. Hiratsuka).

41) **Tranzschelia Thalictri** (Chev.) Dietel in Ann. Myc. **20**: 31 (1922); Ito, Myc. Fl. Jap. II, **3**: 15 & fig. 16 (1950).

Hab. III. On *Thalictrum Thunbergii* DC. (Aki-karamatsu). Japan Proper:—Honshu: Prov. Shinano: Minamimaki-mura (Nobeyama) (July 19, 1947, N. Hiratsuka). New to Honshu!

42) **Gymnosporangium Haraeanum** Sydow in Ann. Myc. **10**: 405 (1912); Ito, Myc. Fl. Jap. II, **3**: 60 (1950).

Hab. 0, I. On *Pirus pyrifolia* (Burm. f.) Nakai (Yama-nashi). Japan Proper:—Kiushu: Prov. Hiuga: Mt. Shiraiwa (July 15, 1953, S. Hirata). In Japan Proper, *Pirus pyrifolia* is a new host plant for this species.

43) **Pucciniastrum Styrcinum** Hiratsuka in Bot. Mag. Tokyo, **12**: 32 & pl. II, figs. 7-13 (1898); Hiratsuka, f. in Mem. Tottori Agric. Coll. **7**: 174 (1944).

Hab. II, III. On *Styrax Shiraiana* Makino (Ko-hakuun-boku). Japan Proper:—Kiushu: Prov. Hiuga: Mt. Okue (Sept. 6, 1951, S. Hirata).

Styrax Shiraiana is a new host plant for this species.

44) **Pucciniastrum Yoshinagai** Hiratsuka, f. in Transact. Tottori Agric. Coll. **4**: 328 (1936); Mem. Tottori Agric. Coll. **7**: 173 (1944).

Hab. II, III. On *Stewartia serrata* Maxim. var. *epitricha* Ohwi (Ichibusahimeshara). Japan Proper:—Kiushu: Prov. Hiuga: Mt. Kurumi-dake (July 25, 1953, S. Hirata). *S. serrata* var. *epitricha* is a new host plant for this species.

45) **Aecidium Hydrangeae-paniculatae** Dietel in Bot. Jahrb. **32**: 630 (1903); Ito, Myc. Fl. Jap. II, **3**: 367 (1950).

Syn. *Aecidium Actinidiae* Sydow in Ann. Myc. **7**: 169 (1909); Ito, Myc. Fl. Jap. II, **3**: 372 (1950), (syn. nov.).

Hab. 0, I. On *Hydrangea paniculata* Sieb. var. *floribunda* Rgl. (*Nori-utsugi*). Japan Proper:—Honshu: Prov. Echigo: Mt. Myoko (July 28, 1906, I. Miyake, type of *Aecidium Actinidiae* Sydow!).

46) **Aecidium Zanthoxyli-schinifolii** Dietel in Bot. Jahrb. **34**: 589 (1905); Ito, Myc. Fl. Jap. II, **3**: 369 (1950).

Hab. 0, I. On *Zanthoxylum piperitum* DC. (Sansho). Japan Proper:—Shikoku: Prov. Tosa: Nishikawa-mura (Kami-gun) (May 8, 1954, G. Sawamura).

0, I. On *Zanthoxylum planispinum* Sieb. et Zucc. (Fuyu zansho). Japan Proper:—Shikoku: Prov. Tosa: Nishikawa-mura (Kami-gun) (May 8, 1954, G. Sawamura). Kiushu: Prov. Chikuzen: Sasaguri-mura (May, 1951, E. Tobinaga).

This species is new to Shikoku, and *Zanthoxylum planispinum* is a new host plant for it.