

琉球大学学術リポジトリ

徳之島、沖永良部島および与論島の黒穂菌類

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A list of Ustilaginales found in Tokunoshima, Okierabu and Yoron Islands*

By

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The present short paper was intended to report the smut fungi collected by the junior author in Tokunoshima, Okierabu and Yoron Islands in March of 1961.

Tokunoshima, Okierabu and Yoron Islands are included in the Amami Islands, and are located in the area, latitude 27°05'~27°44' N. and longitude 128°30'~128°41' E. Some geographical information about these islands are given in Table 1.

Table 1. Geographical information of Tokunoshima, Okierabu and Yoron Islands

Islands	Location		Area	Maximum elevation	Geographical formation
Tokunoshima Isl.	27° 44' N. 128° 41' E.	28 km southwest of Amami-oshima	(km ² .) 253	(m.) 645	Palaeozoic, Ryukyu Limestone, Kunigami Gravel
Okierabu Isl.	27° 24' N. 128° 36' E.	34 km southwest of Tokunoshima	93	245	Ryukyu Limestone, Raised Coral Reefs
Yoron Isl.	27° 05' N. 128° 30' E.	29.5 km southwest of Okierabu and 22 km northeast of Okinawa	22	94	Raised Coral Reefs

The total number of species the junior author has collected in the three islands is six, in which *Sorosporium* is represented by three species and *Ustilago* three species. Among them, the following three species are new to the smut-flora of the Ryukyu Archipelago, viz. 1) *Ustilago flagellatum* Sydow et Butler, 2) *U. nuda* (Jens.) Rostrup and *U. onumae* (Shirai) S. Ito.

1. *Sorosporium flagellatum* Sydow et Butler in Ann. Myc. V, p. 489, 1907. (N. & Y. Hiratsuka, Sci. Bull. Agr. & Home Econ. Div. Univ. Ryukyus. no. 4, p. 135, 1957; S. Ito, Myc. Fl. Jap. II, no. 1, p. 82, 1936; Zundel, Ustil. World. p. 60, 1953).

Hab. on *Ischaemum crassipes* var. *formosanum* Nakai (*Taiwan-kamonohashi*). Tokunoshima Isl.: Tokunoshima-cho (Mar. 23, 1961, M. T.,*** no. Amami-12).

2. *Sorosporium formosanum* (Sawada) Sawada, Descript. Cat. Formosan Fungi, IV. p. 29, 1928. (N. & Y. Hiratsuka, l. c. p. 135; S. Ito, l. c. p. 82 & fig. 80; Zundel, l. c. p. 60).

Hab. on *Panicum repens* L. (*Haikibi*). Yoron Isl.: Kano (Mar. 13, 1961, M. T., no. Amami-6); Chabana (Mar. 12, 1961, M. T., no. Amami-7). Okierabu Isl.: Wadamari-cho (Mar. 17, 1961, M. T., no. Amami-8). Tokunoshima Isl.: Tokunoshima-cho (Mar. 23, 1961, M. T., no. Amami-13).

3. *Sorosporium paspali-thunbergii* (P. Henn.) S. Ito in Trans. Sapporo Nat. Hist. Soc.

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*** M. T. = Masao Tamori

XIV, p. 94, 1935. (N. & Y. Hiratsuka, l. c. p. 136; S. Ito, l. c. p. 81 & fig. 79; Zundel, l. c. p. 69).

Hab. on *Paspalum orbiculare* Forst. (*Suzumeno-kobie*). Yoron Isl.: Chabana (Mar. 13, 1961, M. T., no. Amami-1).

4. *Ustilago nuda* (Jens.) Rostrup in Tids. Landök. VIII, p. 745, 1889. (N. & Y. Hiratsuka, l. c. p. 141; S. Ito, l. c. p. 12 & fig. 6; Zundel, l. c. p. 184).

Hab. on *Hordeum vulgare* var. *hexastichon* Aschers. (*O-mugi*) (*Cult.*). Tokunoshima Isl.: Tokunoshima-cho (Mar. 25, 1961, M. T., no. Amami-10).

5. *Ustilago onumae* (Shirai.) S. Ito in Trans. Sapporo Nat. Hist. Soc. XIV, p. 89, 1935. (S. Ito, l. c. p. 46 & fig. 48; Zundel, l. c. p. 185).

Hab. on *Cinnamomum japonicum* Siebold. (*Yabu-nikkei*). Yoron Isl.: Richo (Mar. 14, 1961, M. T., no. Amami-2); Chabana (Mar. 12, 1961, M. T., no. Amami-3). Okierabu Isl.; China-cho (Mar. 20, 1961, M. T., no. Amami-9). Tokunoshima Isl.: Mt. Amagi-dake (Mar. 25, 1961, M. T., no. Amami-11).

6. *Ustilago tritici* (Pers.) Rostrup in Overs. K. Dansk. Vid. Selsk. Forth. (1890), p. 15, 1890. (N. & Y. Hiratsuka, l. c. p. 142; S. Ito, l. c. p. 13 & fig. 7; Zundel, l. c. p. 212).

Hab. on *Triticum aestivum* L. (*Ko-mugi*) (*Cult.*). Yoron Isl.: Richo (Mar. 14, 1961, M. T., no. Amami-4); Chabana (Mar. 15, 1961, M. T., no. Amami-5).

徳之島，沖永良部島および与論島の黒穂菌類 (摘要)

島袋 俊一・田盛 正雄

1. この報告は、琉球列島の奄美群島に属する徳之島，沖永良部島および与論島の黒穂菌について田盛の採集品をもとにしてまとめたものである。

2. これらの島々からは、黒穂菌科の *Sorosporium* 属 3 種，*Ustilago* 属 3 種，合計 2 属 6 種の黒穂菌が認められた。

3. この報告で、*Ustilago flagellatum* Sydow et Butler, *U. nuda* (Jens.) Rostrup, *U. onumae* (Shirai) S. Ito の 3 種は、琉球列島の黒穂菌フロラに新しく加わった。