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On the Clavariaceae of Japan V.
The Species found in the Northern Honshu.¹

By

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I. RAMARIA.

1. *Clavaria amethystina* BULL. ex FR.

Coralloides amethystina BATT. Fung. Agr. Arim. 22, pl. 1, f. C, 1755.

Clavaria amethystina BULL. Champ. Fr. pl. 496, f. 2, 1790.

Ramaria amethystina HOLMSK. Beata Ruris Fung. Dan. II, 110, pl. 28, 1791.

Clavaria amethystina FR. Syst. Myc. I, 472, 1821.

Hab. On the ground. Prov. Kōzuke: Kusatsu (S. IMAI, Aug. 29, 1938).

Jap. name. *Murasaki-hōkitake*.

2. *Clavaria aurea* SCHAEFF. ex FR.

Clavaria aurea SCHAEFF. Fung. Bavar. IV, Index 121, pl. 287, 1774.

C. aurea FR. Epicr. Myc. 574, 1838.

Clavariella aurea KARST. Hattsv. II, 184, 1882.

Hab. On the ground. Prov. Rikuzen: Sendai (YASUDA, Sept. 29, 1912;
Oct. 14, 1920, in Herb. Tokyo Sci. Mus.). Prov. Ugo: Akita (S. IMAI, Oct.
4, 1935).

Jap. name. *Kogane-hōkitake*.

3. *Clavaria botrytis* PERS. ex FR.

Clavaria acroporphyrea SCHAEFF. Fung. Bavar. IV, Index 119, pl. 176, 1774.

C. botrytis PERS. Comm. Fung. Clav. 41, 1797.

C. botrytis FR. Syst. Myc. I, 446, 1821.

C. purpurascens PAULET in PAUL. et LÉV. Icon. Champ. 113, pl. 194, f. 6, 1855.

1) The Northern Honshu dealing in this paper includes the Tōhoku district and the Northern part of Kantō district.

2) The writer wishes to express his cordial thanks to the Japan Society for the Promotion of Scientific Research for the grant rendering possible the writer's botanical excursions. Thanks are also due to the staff of the Tokyo Science Museum for their kindness in allowing the writer to examine YASUDA's specimens, and to the gentlemen who have rendered assistance, directly or indirectly, in various ways during the writer's excursions.

- Clavaria botrytoidea* PECK, 94 Bull. N. Y. State Mus. 21, 49, pl. 93, f. 5-7, 1905.
 ? *C. conjuncta* PECK, 105 Bull. N. Y. State Mus. 16, 42, pl. 102, f. 1-3, 1906.

Hab. On the ground. Prov. Rikuchû: Takizawa-mura (S. IMAI, Sept. 27, 1937); Takahora-yama (S. IMAI, Sept. 28, 1937); Kami-shinkawa-gôri, Okubo (MATSUMOTO, Oct. 8, 1922, in Herb. Tokyo Sci. Mus.). Prov. Rikuzen: Sendai, Gongen-mori (S. IMAI, Oct. 14, 1937), (YASUDA, Oct. 10, 1923, in Herb. Tokyo Sci. Mus.); Sendai, Oura-hayashi (YASUDA, Sept. 24, 1906; Sept. 13, 1914); Kesen-gôri, Otomo-mura (G. TOBA, Sept. 26, 1920, in Herb. Tokyo Sci. Mus.).
 Jap. name. *Hôkitake*.

4. *Clavaria cinerea* PERS. ex FR.

- Clavaria coralloides cinerea* BULL. Champ. Fr. pl. 354, 1791.
C. grisea PERS. Comm. Fung. Clav. 44, 1797.
C. cinerea PERS. Syn. Fung. 586, 1801.
C. cinerea FR. Syst. Myc. I, 468, 1821.
C. grisea FR. Syst. Myc. I, 468, 1821.
C. fuliginea PERS. Myc. Eur. I, 166, 1822.
Ramaria cinerea QUÉL. Fl. Myc. Fr. 465, 1888.
R. grisea QUÉL. Ibid. 465, 1888.
Clavulina cinerea SCHROET. Pilze Schles. I, 443, 1888.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 23, 1937). Prov. Rikuzen: Kesen-gori, Otomo-mura (G. TOBA, Sept. 26, 1920, in Herb. Tokyo Sci. Mus.).

Jap. name. *Hai-iro-kare-edatake* (n. n.).

5. *Clavaria cristata* [HOLMSK.] PERS. ex FR.

- Clavaria albida* SCHAEFF. Fung. Bavar. IV, Index 116, pl. 170, 1774, teste FR.
Ramaria cristata HOLMSK. Beata Ruris Fung. Dan. I, 92, 1790.
Clavaria fallax PERS. Comm. Fung. Clav. 48, 1797.
C. cristata PERS. Syn. Fung. 591, 1801.
C. fimbriata PERS. Ibid. 592, 1801.
C. cristata FR. Syst. Myc. I, 473, 1821.
Clavariella cristata KARST. Hattsv. II, 187, 1882.
Clavulina cristata SCHROET. Pilze Schles. I, 442, 1888.

Hab. On the ground. Prov. Mutsu: Sukayu (S. IMAI, Sept. 17, 1937); Mt. Odake (S. IMAI, Sept. 19, 1937); Towada-mura (S. IMAI, Sept. 23, 1937). Prov. Shimotsuke: Nokk-yumoto, Lake side of Karikome (S. IMAI, Oct. 9, 1937).

Jap. name. *Kare-edatake*.

6. *Clavaria crocea* PERS. ex FR.

- Clavaria crocea* PERS. Comm. Fung. Clav. 57, 1797.
C. crocea FR. Syst. Myc. I, 472, 1821.
Clavariella crocea HERTER, Krypt. Fl. Mark Brand. VI, 164, 1910.

Hab. On the ground in woods. Prov. Kozuke: Lake side of Marunuma (S. IMAI, Oct. 4, 1937).

Jap. name. *Aka-hime-hôkitake*.

7. *Clavaria flaccida* FR.

Clavaria flaccida FR. Syst. Myc. I, 471, 1821.

Clavariella flaccida KARST. Hattsv. II, 186, 1882.

Hab. On the ground among fallen leaves. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 26, 1935). Prov. Hitachi: Mt. Tsukuba (R. IMAZEKI, Oct. 10, 1937, in Herb. Tokyo Sci. Mus.).

Jap. name. *Hime-hôkitake*.

8. *Clavaria flava* SCHAEFF. ex FR.

Clavaria flava SCHAEFF. Fung. Bavar. IV, Index 118, pl. 175, 1774.

C. flava FR. Syst. Myc. I, 467, 1821.

C. flavobrunescens ATKINS. Ann. Myc. VII, 367, 1909, teste COKER.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937). Prov. Rikuchu: Takizawa-mura (S. IMAI, Sept. 27, 1937). Prov. Rikuzen: Sendai, Gongen-mori (S. IMAI, Sept. 26, 1938); Ourahayashi (YASUDA, Sept. 29, 1912, in Herb. Tokyo Sci. Mus.). Prov. Hitachi: Fukuroda-mura (S. IMAI, Oct. 11, 1937). Prov. Shimotsuke: Lake side of Chuzenji (S. IMAI, Oct. 10, 1937); Oku-nikko, Nikko-zawa (S. IMAI, Oct. 7, 1937). Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 4, 1937).

Jap. name. *Ki-hôkitake*.

9. *Clavaria formosa* PERS. ex FR.

Clavaria formosa PERS. Comm. Fung. Clav. 41, 1797.

C. formosa FR. Syst. Myc. I, 466, 1821.

Clavariella formosa KARST. Hattsv. II, 185, 1882.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 26, 1935). Prov. Rikuchu: Morioka, Takahora-yama (S. IMAI, Sept. 28, 1937). Prov. Rikuzen: Sendai, Gongen-mori (K. KISHIDA, Oct. 1933; S. IMAI, Sept. 26, 1938).

Jap. name. *Hana-hôkitake*.

10. *Clavaria Kunzei* FR.

Clavaria Kunzei FR. Syst. Myc. I, 474, 1821.

C. chionea PERS. Myc. Eur. I, 167, 1822.

Clavulina Kunzei SCHROET. Pilze Schles. I, 442, 1888.

Clavaria asferula ATKINS. Ann. Myc. VI, 54, 1908.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 20,

21, 1937). Prov. Rikuchu: Morioka, Takizawa (S. IMAI, Sept. 27, 1937). Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 4, 1937).

Jap. name. *Shiro-hime-hôkitake*.

11. *Clavaria longicaulis* PECK

Clavaria longicaulis PECK, Bull. Torrey Bot. Club, XXV, 371, 1898.

Hab. On the ground in frondose woods. Prov. Rikuzen: Sendai, Gongen-mori (S. IMAI, Sept. 26, 1938).

Jap. name. *Kogecha-hôkitake* (n. n.).

12. *Clavaria luteo-ochracea* CAV.

Clavaria luteo-ochracea CAV. Fung. Long. Exs. no. 64, 1892—SACC. Syll. Fung. XI, 137, 1895.

Hab. On the ground among fallen leaves and branches. Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 4, 1937).

Jap. name. *Nise-himetsunotake* (n. n.).

13. *Clavaria muscoides* L. ex FR.

Clavaria muscoides L. Sp. Pl. 1183, 1753.

C. fastigiata L. Fl. Suec. ed. 2, 457, 1755.

C. corniculata SCHAEFF. Fung. Bavar. IV, Index 117, pl. 173, 1774.

Ramaria muscoides HOLMSK. Beata Ruris Fl. Dan. 87, pl. 21, 1790.

R. fastigiata HOLMSK. Ibid. 90, pl. 22, 1790.

Clavaria pratensis PERS. Comm. Fung. Clav. 52, pl. 4, f. 5, 1797.

C. pratensis FR. Syst. Myc. I, 471, 1821.

C. corniculata FR. Ibid. I, 471, 1821.

C. fastigiata FR. Epicr. Myc. 571, 1838.

C. muscoides FR. Epicr. Myc. 571, 1838.

C. Peckii SACC. Syll. Fung. IX, 249, 1891.

Hab. On the ground in woods. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 23, 1937). Prov. Rikuzen: Sendai, Gongen-mori (S. IMAI, Oct. 14, 1937).

Jap. name. *Hime-tsunotake*.

14. *Clavaria obtusissima* PECK

Clavaria obtusissima PECK, 167 Bull. N. Y. State Mus. 39, 1913.

Hab. On the ground. Prov. Rikuzen: Sendai (A. YASUDA, Oct. 14, 1923, in Herb. Tokyo Sci. Mus.).

Jap. name. *Tosaka-hôkitake*.

15. *Clavaria ornatipes* PECK

Clavaria ornatipes PECK, 122 Bull. N. Y. State Mus. 18, 160, 1908.

Lachnocladium bicolor BURT, Ann. Mo. Bot. Gard. VI, 274, pl. 5, f. 6, textf. 13, 1920.

L. ornatipes BURT, Ann. Mo. Bot. Gard. IX, 65, pl. 11, f. 102, 1922.

Hab. On the ground among mosses. Prov. Mutsu: Mt. Ôdake (S. IMAI, Sept. 19, 1937); Sukayu (S. IMAI, Sept. 17, 1937).

Jap. name. *Ke-ashi-hôkitake*.

16. *Clavaria rugosa* BULL. ex FR.

Clavaria rugosa BULL. Champ. FR. pl. 448, f. 2, 1791.

C. rugosa FR. Syst. Myc. I, 473, 1821.

Clavulina rugosa SCHROET. Pilze Schles. I, 442, 1888.

Hab. On the ground among grasses in woods. Prov. Shimotsuke: Nikko, Ogurayama (S. IMAI, Oct. 22, 1936).

Jap. name. *Kare-eda-take-modoki*.

17. *Clavaria stricta* PERS. ex FR. sensu COTTON.

Clavaria stricta PERS. Comm. Fung. Clav. 45, 1797.

C. stricta FR. Syst. Myc. I, 468, 1821.

Clavariella stricta KARST. Hattsv. II, 188, 1882.

Hab. On rotting deciduous wood. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 26, 1935; Sept. 21, 1937); Sukayu (S. IMAI, Sept. 17, 1937). Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 9, 1937).

Jap. name. *Cha-hôkitake*.

18. *Clavaria subtilissima* IMAI, sp. nov.

Solitaria vel gregaria, simplex vel bis ramosa, gracilis, 3-4 cm. longa, circa 1 mm. crassa, crassitudine ubique subaequalis, "pinkish-buff", basi albo-furfuraceo-flocculosa; sporis subglobosis, levibus, $3-5 \times 3-4 \mu$.

Hab. ad terram in silvis. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937).

Jap. name. *Hime-tsuno-modoki* (n. n.).

The present fungus is closely related to *Clavaria subtilis* PERS. ex FR., from which it is distinguished by the brownish fructification.

II. SYNCORYNE.

19. *Clavaria fastidiosa* IMAI, sp. nov.

Subfasciculata, clavato-cylindracea, 1.5-2.5 cm. longa, circa 1 mm. crassa, apice obtuso-attenuata, basi attenuata non deliminata, nivea; basidiis 4-sporis; sporis late ellipsoideis vel ellipsoideis, levibus, $8-10 \times 5-7.5 \mu$.

Hab. ad cortice putrescente trunci frondoci. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937).

Jap. name. *Shiro-senkôtake* (n. n.).

The present fungus is somewhat related to *Clavaria subfalcata* ATKINS. from which it is easily distinguished by the non-delimited base of fructification.

20. *Clavaria fragilis* HOLMSK. ex FR.

Clavaria vermiculata SCOP. Fl. Carn. ed. 2, II, 483, 1772.

C. cylindrica BULL. Champ. Fr. pl. 463, f. 1, 1789.

C. fragilis HOLMSK. Beata Ruris Fung. Dan. I, 7, f. 2-3, 1790.

C. gracilis SOW. Engl. Fung. II, pl. 232, 1799.

C. eburnea PERS. Syn. Fung. 603, 1801.

C. fragilis FR. Syst. Myc. I, 484, 1821.

C. vermicularis FR. Ibid. 484, 1821.

C. vermiculata PERS. Myc. Eur. I, 184, 1822.

C. simplex RETZ. apud KARST. Hattsv. II, 172, 1882.

C. nivea QUÉL. Champ. Jura Vosg. 22 Suppl., in Assoc. Fr. XXX, 496, pl. 3, f. 11, 1901.

C. cylindrica SACC. Fl. Ital. Crypt., Hym. 1246, 1916.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937). Prov. Kôzuke: Kusatsu (S. IMAI, Aug. 29, 1938).

Jap. name. *Shiro-sômentake*.

21. *Clavaria fumosa* PERS. ex FR.

Clavaria fumosa PERS. Syn. Fung. 602, 1801.

C. fumosa FR. Syst. Myc. I, 483, 1821.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937). Prov. Rikuchu: Morioka, Takahora-yama (S. IMAI, Sept. 28, 1937). Prov. Rikuzen: Gamo (? YASUDA, Oct. 12, 1916, in Herb. Tokyo Sci. Mus.).

Jap. name. *Cha-naginatatake*.

22. *Clavaria fusiformis* SOW. ex FR.

Clavaria fasciculata PERS. Comm. Fung. Clav. 72, 1797.

C. fusiformis SOW. Engl. Fung. II, pl. 234, 1799.

C. rugosa SOW. Ibid. pl. 235, 1799.

C. ceranoides PERS. Syn. Fung. 594, 1801.

C. fusiformis FR. Syst. Myc. I, 480, 1821.

C. ceranoides FR. Ibid. 481, 1821.

Hab. On the ground. Prov. Mutsu: Sukayu (S. IMAI, Sept. 17, 1937); Towada-mura (S. IMAI, Sept. 26, 1935; Sept. 21, 1937). Prov. Rikuzen: Kesen-gôri, Otomo-mura (G. TOBA, Oct. 17, 1922, in Herb. Tokyo Sci. Mus.); Gamo (YASUDA, July 20, 1913, in Herb. Tokyo Sci. Mus.). Prov. Uzen: Mt. Nishiazuma (S. IMAI, Sept. 30, 1937); Minami-murayama-gôri, Takayu-mura (NARITA, Aug. 23, 1921, in Herb. Tokyo Sci. Mus.). Prov. Iwashiro: Iwase-gôri, Nametsu-mura (NARITA, Sept. 18, 1921, in Herb. Tokyo Sci. Mus.). Prov. Hitachi: Mt. Tsukuba (R. IMAZEKI, Oct. 10, 1937, in Herb. Tokyo Sci. Mus.).

Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 9, 1937); Agatsuma-gôri, Shima (TSUNODA, Sept. 18, 1918, in Herb. Tokyo Sci. Mus.).

Jap. name. *Naginataake*.

23. *Clavaria fusiformis* Sow. ex FR,
form. *aurantiaca* IMAI, form. nov.

Fructificatione aurantiaca, cetera ut in typica.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937), Prov. Kôzuke: Kusatsu (S. IMAI, Aug. 29, 1938).

Jap. name. *Kogane-Naginataake* (n. n.).

24. *Clavaria Miyabeana* S. ITO

Clavaria Miyabeana S. ITO in IMAI, Trans. Sapporo Nat. Hist. Soc. XI, 72, 1930.

Hab. On the ground. Prov. Mutsu: Otake (S. IMAI, Sept. 23, 1935; Sept. 19, 1937); Sukayu (S. IMAI, Sept. 17, 1937); Towada-mura (S. IMAI, Sept. 21, 1937). Prov. Kôzuke: Kusatsu (S. IMAI, Aug. 29, 1938). Prov. Ugo: Akita (S. IMAI, Oct. 4, 1935).

Jap. name. *Beni-naginataake*.

25. *Clavaria pulchra* PECK

Clavaria pulchra PECK, 28 Rept. N. Y. State Mus. 53, pl. 1, f. 10, 1876.

C. persimilis COTTON, Trans. Brit. Myc. Soc. III, 182, 1909.

Hab. On the ground. Prov. Rikuchu: Morioka, Takizawa-mura (S. IMAI, Sept. 27, 1937).

Jap. name. *Kabentake*.

26. *Clavaria purpurea* MUELL. ex FR.

Clavaria purpurea MUELL. Fl. Dan. pl. 837, f. 2, 1780.

C. purpurea FR. Syst. Myc. I, 480; 1821.

? *C. nebula* PECK, Bull. Torrey Bot. Club XXV, 326, 1894.

Hab. On the ground. Prov. Rikuzen: Sendai (YASUDA, Sept. 20, 1912, in Herb. Tokyo Sci. Mus.).

Jap. name. *Murasaki-naginataake*.

III. HOLOCORYNE.

27. *Clavaria argillacea* PERS. ex FR.

Clavaria flavipes PERS. Neues Bot. Mag. I, 117, 1794; Comm. Fung. Clav. 75, 1797.

C. argillacea PERS. Comm. Fung. Clav. 74, 1797.

C. ericetorum PERS. Obs. Myc. II, 60, 1799.

C. argillacea FR. Syst. Myc. I, 482, 1821.

- C. flavipes* FR. Ibid. I, 483, 1821.
C. ericetorum var. *argillacea* QUÉL. Ench. Fung. 221, 1886.
C. pallescens PECK, 131 Bull. N. Y. State Mus. 34, 1909.
C. ericetorum BOURD. et GALZIN, Bull. Soc. Myc. Fr. XXVI, 217, 1910.
C. obtusata BOUD. Bull. Soc. Myc. Fr. XXXIII, 12, pl. 4, f. 2, 1917.

Hab. On the ground in woods. Prov. Rikuzen: Sendai, Gongen-mori (K. KISHIDA, Oct. 1933).

Jap. name. *Kiashi-senkôtake*.

28. *Clavaria asterosporina* PAT.

Clavaria asterosporina PAT. Tab. Anal. Fung. 2 sér. 28, f. 568, 1886.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 21, 1937).

Jap. name. *Zarami-no-hime-yaritake* (n. n.).

The present species is distinguishable from other white simple *Clavarias* by the distinctly spinulose globose spores.

29. *Clavaria ligula* SCHAEFF. ex FR.

Clavaria ligula SCHAEFF. Fung. Bavar. IV, Index 116, pl. 171, 1774.

- C. caespitosa* WULF. in JACQ. Misc. II, 98, 1781.
C. pulvinata PERS. Comm. Fung. Clav. 65, 1797.
C. luteola PERS. Ibid. 66, 1797.
C. ligula FR. Syst. Myc. I, 477, 1821.

Hab. On the ground. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 26, 1935; Sept. 21, 23, 1937).

Jap. name. *Ko-surikogitake*.

30. *Clavaria mucida* PERS. ex FR.

Clavaria mucida PERS. Comm. Fung. Clav. 55, 1797.

- C. mucida* FR. Syst. Myc. I, 476, 1821.

Hab. On the rotten decorticated wood. Prov. Mutsu: Towada-mura (S. IMAI, Sept. 23, 1937). Prov. Rikuzen: Mt. Karita (E. IISHIBA, Oct. 15, 1907, in Herb. Tokyo Sci. Mus.); Sendai (YASUDA, Sept. 9, 1914, in Herb. Tokyo Sci. Mus.). Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 4, 1937); Agatsuma-gôri, Shima (TSUNODA, Sept. 18, 1918, in Herb. Tokyo Sci. Mus.).

Jap. name. *Kiritake*.

31. *Clavaria pistillaris* L. ex FR.

Clavaria pistillaris L. Fl. Suec. 2 ed. 456, 1755.

- C. pistillaris* FR. Syst. Myc. I, 477, 1821.

Hab. On the ground. Prov. Rikuzen: Kesen-gôri, Otomo-mura (G. TOBA, Sept. 26, 1920, in Herb. Tokyo Sci. Mus.).

Jap. name. *Surikogitake*.

32. *Clavaria splendidula* IMAI, sp. nov.

Gregaria vel subfasciculata, 2-3 cm. longa, cylindracea vel clavato-cylindracea, gracilis, "orange-chrome" vel "rich orange", basi non distincta; sporis ellipsoideis vel oblongis, levibus, hyalinis, $8-10 \times 5-7 \mu$.

Hab. ad terram in silvis. Prov. Kôzuke: Lake side of Marunuma (S. IMAI, Oct. 4, 1937).

Jap. name. *Kogane-sômentake*.

The present fungus is closely allied to *Clavaria aurantio-cinnabarina* SCHW. in the macroscopic features, but it is easily distinguished by the ellipsoidal spores. From other *Clavarias* it is distinguishable by the rich orange fructification and the ellipsoidal smooth spores.

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摘 要

日本産筍茸科に就て, V.

日本學術振興會の援助により筍茸科菌類の研究を繼續し、本州其他本邦各地に産する種類を調査し得る機會を得たことは著者として欣幸に堪えぬ所で、同會に對し深甚なる感謝の意を表すると共に、各地採集旅行中與えられた地方諸賢の御厚意に對して深謝の意を表する次第である。

昭和十二年九月乃至十月に亘り、東北及北關東地方を採集調査し、翌十三年八月乃至九月に亘り北關東西部（草津地方）と信濃及飛騨を採集調査した。此二箇年及び其前後に得た標品と、故安田篤氏の標本を含む東京科學博物館所藏の標品とにより、東北地方及び北關東地方に産する本科菌類を一括して報告することにした。

肉質茸菌類の採集は、その發生の時期とうまく一致しないと、廣く分布し、比較的普通に發生する種類でも採集漏れを來すことが往々にある。是れは、肉質茸菌類の發生が、その年の氣候に著しく影響され、その時期の遲速、發生量の多少に著しい變化があり、又發生した菌體も數日で腐敗し去るか或は鑑定不可能な状態になつて終ふからである。

本報告に於ても、一般的に見て、分布の可能性ある種類即ち採集漏れと思はれる種類が上掲の種類の外に多分にあるが、之れは植物の性質上止むを得ない所で、後日機會を得て補遺し、より完全なものにしたいと思つてゐる。