

Yosio KOBAYASI*: **Miscellaneous notes of fungi (3)****

小林義雄*: 菌類雜報 (3)

1) ***Verpa formosana*** Y. Kobayasi, sp. nov. (Morchellaceae) (Fig. 1)

Fructificatio carnosa. Pilei campanulati, 2.5 cm diam., 2 cm alti, hymenii obscure purpureo-brunneis. Stipites elongato-cylindrici, 11 cm longi, 8 mm crassi, apicaliter attenuati, 4 mm crassi, albid; texto pseudoparenchymatico, cellulis polyhedris, 5-10 μ diam., peridio e pili 3.5-5 μ crassi composito. Asci operculati, 340 \times 10 μ , octospori. Ascosporae ellipsoideae, 17-18 \times 12-13 μ , glabrae, hyalinae, non granulatae. Paraphyses 3 μ crassae, apicaliter incrassatae, 5-8.5 μ crassae.

Hab. Growing on ground, Hattúkan, Mt. Gyokusan (Niitaka-yama), Taiwan, Y. Kobayasi, Oct. 14, 1982—Type in Herb. National Taiwan University.

Verpa bohémica (Krombh.) Schröter differs from the present new species in two-spored asci and longer spores (60-80 \times 15-18 μ). *Verpa conica* (Müller) Swartz is discriminated by larger spores (22-26 \times 12-16 μ) and shorter and thicker stalk (5-6 cm long).

2) ***Cordyceps rubrostromata*** Y. Kobayasi, sp. nov. (Clavicipitaceae) (Fig. 2)

Stromata e partis apicalis corpolis hospitis oriunda, singularia, simplicia, carnosa, 10-13 \times 0.3 mm, apicaliter curvata, attenuata, rosea. Stipites e medullis hypharum et peridiis pilis constrictis; hyphis 2.5-3.5 μ crassis, septatis, pilis 3.5-6 μ crassis. Perithecia ovoidea, 15-18 aggregata, laevia, 470-530 \times 350 μ , ostiolis hemiglobosis, 85 μ altis. Asci 150-160 \times 5-6.5 μ , capitii 5 \times 5 μ . Articuli ascosporarum 5-6 \times 1.5 μ , utrinque truncati.

Hab. On larva of Lepidoptera among mosses, Kawarayu Spa, Gunma Prefecture, Japan, Shigeru Uchiyama, July 30, 1979—Type in TNS.

3) ***Cordyceps bokyoensis*** Y. Kobayasi, sp. nov. (Clavicipitaceae) (Fig. 3)

Stromata, binata, simplicia carnosa, 7-8 mm longa, apicaliter cum appendice uromorpho. Pars fertilis cylindrica, aurantiaca, 2-3.2 \times 0.5-0.7 mm. Stipites 0.25-0.35 mm diam., albi, e hyphis 1-1.5 μ crassis textis, peridiis destititis. Perithecia omnino superficialia, ovoidea, fere laevia, 230-250 \times 75-150 μ . Asci 140-160 \times 2.5

* National Science Museum, Tokyo. 国立科学博物館.

** Continued from Journ. Jap. Bot. 58: 174-177, 1983.

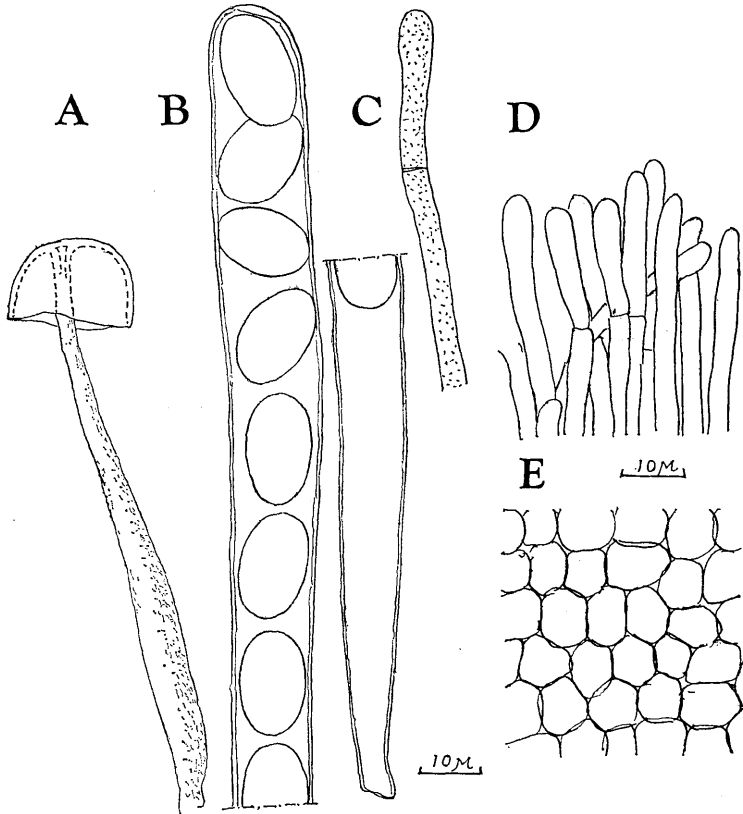


Fig. 1. *Verpa formosana*. A. Fruit-body, ca $\times 0.7$. B. Ascus. C. Paraphysis. D. Peridial layer of stalk. E. Inner tissue of stalk.

μ , capitiiis hemiglobosis $2.5 \times 1.5 \mu$. Articuli ascosporarum $3-4 \times 1 \mu$, utrinque truncati. Synnemata 2-3 fasciculata, 4-9 mm longa, alba. Pars fertilis apicalis, alba farinacea. Stipites 3-4 mm longi, 0.2 mm crassi. Conidia ellipsoidea vel fusiformia, hyalina, $2 \times 1 \mu$.

Hab. On caterpillar of Lepidoptera, Bôkyô at the foot of Mt. Gyokusan, Taiwan, Y. Kobayasi, Sept. 25, 1982—Type in Herb. National Taiwan University.

Imperfect state—Phialosporae, near to the genus *Nalanthamala*. The writer could not find the catenate conidia.

4) ***Cordyceps virens*** Y. Kobayasi, sp. nov. (Clavicipitaceae) (Fig. 4)

Fig. 3. *Cordyceps bokyensis*. A. Stromata and synnemata, $\times 4$. B. Tissue of stalk. C. Perithecia, $\times 80$. D. Asci. E. Fertile part of synnema and conidia.

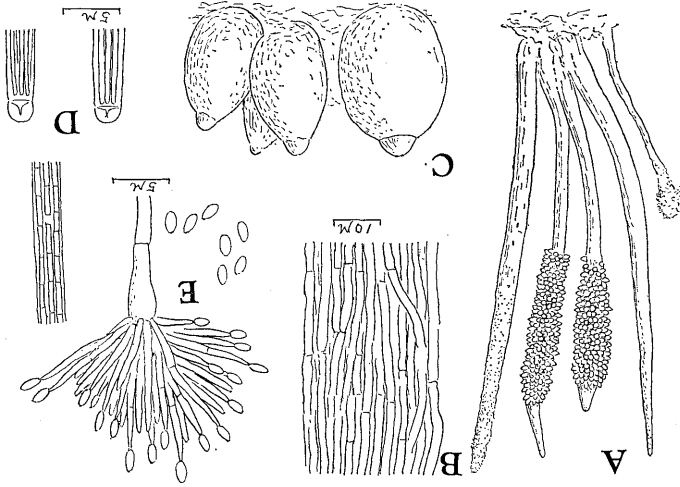
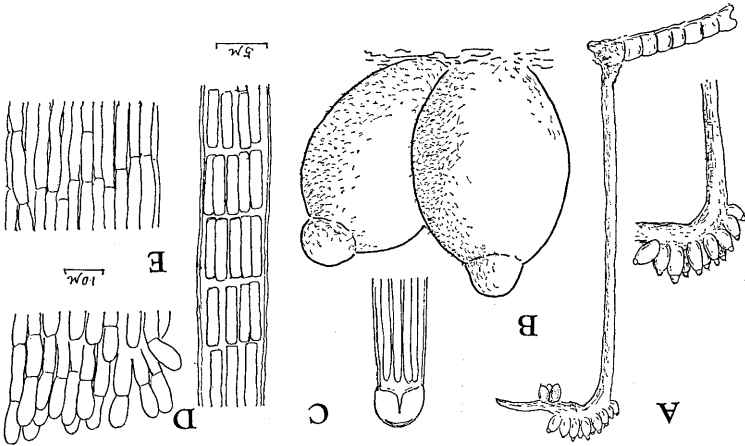


Fig. 2. *Cordyceps rubrostromata*. A. Stromata, $\times 2$ (right stroma). B. Perithecia, $\times 72$. C. Asci. D. Peridial layer of stalk. E. Inner tissue of stalk.



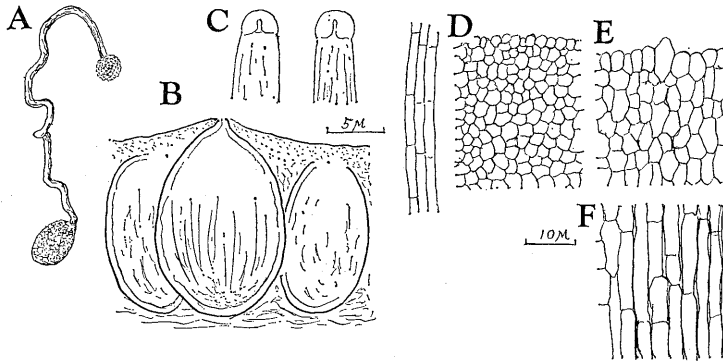


Fig. 4. *Cordyceps virens*. A. Stroma, $\times 1.6$. B. Perithecia, $\times 62$. C. Asci. D. Peridial layer of head. E. Peridium of stalk. F. Inner tissue of stalk.

Stromata capitata. Pars fertilis globosa, 1.8-2 mm diam., atrata, minute mammillata. Stipites elongato-cylindrici, 90 mm longi, 0.8 mm crassi, obscure virentes, textu e peridiis pseudoparenchymatico et medullis hyphis contexto. Perithecia ovoidea, penitus immersa, $400 \times 250 \mu$. Asci 3.5μ crassi, capitibus $3.0-3.5 \mu$ diam.. Articuli ascosporarum $6 \times 1.5 \mu$, utrinque truncati.

Hab. On *Elaphomyces* sp., Kawarayu Spa, Gunma Prefecture, Japan, S. Uchiyama, July 30, 1979—Type in TNS.

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4新種のうち *Verpa formosana* と *Cordyceps bokyoensis* は昨年秋に行われた日台合同菌類調査中に玉山麓で採集されたものである。*Cordyceps rubrostromata* と *C. virens* とは群馬県の川原湯で採集された。

□山田卓三(監修): ピッツェッティ・マリエッラ, 西洋野菜の百科 255 pp. 1983. 万有ガイド・シリーズ19, 小学館, 東京. ¥1,700. 西洋野菜45種, 香辛植物7種, 果実20種について美しい挿絵を加え, 故事来歴や栽培法, 品種, それに1-2の料理法を添えた本で, さらりと書いてあって楽しい。日本に入ってからのも割に詳しくでている。サツマイモやナシなどは大部分抜いてあるのもやむを得ないだろう。日本には驚くほど外国系統の野菜, 果樹が入っており, 近年は香辛料としての外国産が多くなったので, それ向きには便利な本といえよう。最後にこれらを使った田所しづ子氏の和風料理がついているのも, 存外便利というものである。(前川文夫)