

## Notes on Korean Higher Fungi

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韓國高等菌類記

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**Abstract** : 50 specimens of higher fungi were collected on Mt. Sobaek and Andong areas from September 5, 1974 to July 30, 1975.

These fungi were identified by Imazeki and Hongo's classification key based on Singer's taxonomic system.

Nine species of them were newly recognized to occur in Korea; *Hygrophorus pantoleucus* Hongo, *Marasmius prasiomus* (Fr.) Fr. *Conocybe lactea* (Lange) Metrod, *Pholiota spumosa* (Fr.) Sing., *Crepidotus sulphurinus* Imaz. et Toki, *Pulveroboletus retipes* (Berk. et Curt.) Sing., *Calodon zonatus* (Fr.) Quél, *Patella scutellata* (St. Amans) Morgan and *Peziza badia* Pers. ex Merat.

### Class Basidiomycetes

### Subclass Homobasidiae

### Order Agaricales

### Family Hygrophoraceae 벗꽃버섯科

*Hygrophorus pantoleucus* Hongo 흰갓주름버섯 (新稱)

Pileus 1.5~2 cm broad, convex, wrinkled when adult, brownish-white, flesh white. Lamellae decurrent. Stipe 4~6 cm long, 0.3~0.5 cm thick, subequal, brownish-white, hollow, Spores 5.9~10.6 × 4.1~5.9 μ, elliptical, apiculate, grey. Cystidia 52.9~56.5 × 5.9~7.6 μ, clavate.

Hab. : On ground of forests.

Distr. : Andong

### Family Tricholomataceae 송이科

*Marasmius prasiomus* (Fr.) Fr. 흰낙엽버섯 (新稱)

Pileus 3~3.7 cm broad, bell-shaped at first then plane, whitish-yellow when dry, margin emission striate, flesh thin. Lamellae free, narrow, crowded, dark yellow. Stipe 3~5.5 cm long, 0.2~0.4 cm thick, downward thick, darkyellow, hollow. Spores 4.7~3.5 μ, elliptical, white, nonamyloid. Cystidia 18.8~21.2 × 3.5~4.7 μ, clavate. Hyphae 56.5~88.2 × 9.4~11.8 μ.

Hab. : Clustered on fallen leaves.

Distr. : Mt. Sobaek

### Family Bolbitiaceae 우분버섯科

*Conocybe lactea* (Lange) Metrod 노란종이버섯 (新稱)

Pileus 2~6.4 cm broad, bell shaped, yellowish-brown, dark yellow in center, striated, margin saw-toothed, hair, more or less viscid. Lamellae, adnate crowded, narrow, light brown. Stipe 7.5~11.5 cm long, 1.5~4 mm thick, hollow, downward wide, light yellowish-brown. Spores 11.7~14.6×7.3~8.8 μ, elliptical, dull reddish-brown at first then grayish-yellow green, development pore present. Basidia two or four spored, 27~29.3×13.1~13.9 μ.

Hab. : Solitary or clustered on compost.

Distr. : Andong

**Family Strophariaceae** 독정버섯科

*Pholiota spumosa* (Fr.) Sing. 노란갓비늘버섯 (新稱)

Pileus 3.5~6 cm broad, convex then plane, yellowish-brown, yellow on margin, viscid when moist. Lamellae 4~8cm long, yellow at first then brown. Stipe upward covered with flours of yellowish-white, downward brown. Spores 7.1~9.4×4.1~5.3μ, elliptical or cylindrical, dark yellow, enclosed one or two oil drops, nonamyloid. Basidia 12.9~14.1×5.9~8.2 μ, two spored, clavate. Hyphae of gill trama 85.9~104.7×14.1~17.6 μ. Edible.

Hab. : Caespitose in woods.

Distr. : Andong

**Family Crepidotaceae** 노란귀버섯科 (新稱)

*Crepidotus sulphurinus* Imaz. et Toki  
노란귀버섯 (新稱)

Pileus 0.3~0.9 cm broad, hemispherical, yellowish-brown, margin incurved. faded. Lamellae sparse, wide, No stipe, Spores globose, dark yellow, 7.6~9.4×6.5~7.6 μ, nonamyloid, formed projections on surface. Cystidia 21.2~27.1×5.9~7.6 μ, clavate. Basidia two spored, 23.5~25.7×7.1~8.2 μ. Hyphae of gill trama 75.3~102.4×4.7~5.9 μ. Clamp connection present.

Hab. : Piled on the rotting woods.

Distr. : Andong and Mt. Sobaek

**Family Boletaceae** 그물버섯科

*Pulveroboletus retipes* (Berk. et Curt.)

Sing. 밤색비단그물버섯 (新稱)

Pileus 7~9 cm broad, velvet, flours scattered on the surface, yellow or dark brown. flesh yellow, thick. Lamellae yellow or dark brown. Stipe thick, net. Spores 10.6~14.1×4.7 μ, clavate, cylindrical, amyloid, white. Cystidia 32.9~35.3×7.1~9.4 μ.

Hab. : Clustered on soils of oak trees.

Distr. : Andong

**Order Aphyllophorales**

**Family Phylacteriaceae** 굴뚝버섯科

*Calodon zonatus* (Fr.) Quél. 갈색갈대기버섯 (新稱)

Pileus 0.7~1.2 cm broad, depressed irregularly light brown, reddish brown in center, striated Lamellae smooth, funnel-shaped, decurrent. Stipe unequal, hair, Spores. 4.6~6.2×3.9~6.2 μ, globose, apiculate. Basidia 13.1~14.6×4.6~6.2 μ, two spored. Cystidia shaped irregularly, 19.3~30.5×4.6~5.6 μ. Hyphae 15.4~30.8×3.1~4.6 μ, clamp connection seldom present.

Hab. : Clustered on soils of coniferous trees.

Distr. : Mt. Sobaek

**Class Ascomycetes**

**Family Pezizaceae** 주발버섯科

*Patella scutellata* (St. amans) Morgan  
주홍접시버섯 (新稱)

Hymenium body 0.3~1 cm broad, small dish-shaped, inside vermilion, margin incurved, covered yellow hairs at first then dark hairs, outside whitish-yellow. Spores 16.8~24.1×10.2~10.1 μ, elliptical, large, apiculate, white, enclosed one or two oil drops. Ascus 54.8~65.7×11.7~13.1

$\mu$ . Paraphysis 47.5~67.9  $\mu$  long, clavate.

Hab. : Solitary or clustered on moist soil in woods.

Distr. : Mt. Sobaek

*Peziza badia* Pers. ex Merat 자주주발버섯 (新稱)

Hymenium body 1.5~4.5cm broad, cup-shaped-dark purple or dark brown. Flesh thin, tender. Spores 18.3~19 $\times$ 8.8~9.5  $\mu$ , elliptical or cylindrical, white. Hyphae 43.8~51.1 $\times$ 9.5~11.0  $\mu$ .

Hab. : Clustered on moist soils.

Distr : Mt. Sobaek

## 摘 要

1974年 9月 5일부터 1975年 7月 30일까지 小白山 및 安東地方에서 50餘種의 高等菌類를 採集하여 同定하였다. 그中 韓國 未記錄種은 다음과 같다.

*Hygrophorus pantoleucus* Hongo 흰갓주름버섯, *Marasmius prasiomus* (Fr.) Fr. 흰낙엽버섯, *Conocybe lactea* (Lange) Metrod 노란중버섯, *Pholiota spumosa* (Fr.) Sing. 노란갓비늘버섯, *Crepidotus sulphurinus* Imaz. et Toki 노란귀버섯, *Pulverobolus retipes* (Berk. et Curt.) Sing. 밤색비단그물버섯, *Calodon zonatus* (Fr.) Quéf. 갈색갈매기버섯, *Patella scutellata* (St. Amans) Morgan 주홍접시버섯, *Peziza badia* Pers. ex Merat. 자주주발버섯.

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## The explanation of plate I

- A. *Hygrophorus pantoleucus* Hongo  
 a. carpophores                      b. cystidia  $\times$ 1000  
 c. spores  $\times$ 1000
- B. *Marasmius prasiomus* (Fr.) Fr.  
 a. carpophores                      b. cystidia  $\times$ 1000  
 c. hyphae  $\times$ 1000                      d. spores  $\times$ 1000
- C. *Conocybe lactea* (Lange) Metrod  
 a. carpophores                      b. basidia  $\times$ 970  
 c. spores  $\times$ 970
- D. *Pholiota spumosa* (Fr.) Sing.  
 a. carpophores                      b. basidia  $\times$ 1000  
 c. hyphae of the gill trama  $\times$ 1000

d. spores  $\times 1000$

E. *Crepidotus sulphurinus* Imaz. et Toki

a. carpophores      b. basidia  $\times 970$

c. cystidia  $\times 970$

d. hyphae of the gill trama  $\times 970$

e. spores  $\times 970$

## Plate II

A. *Pulveroboletus retipes* (Berk. et Curt.) Sing.

a. carpophores      b. cystidia  $\times 970$

c. spores  $\times 970$

B. *Calodon zonatus* (Fr.) Quél.

a. carpophores      b. basidia  $\times 970$

c. cystidia  $\times 970$       d. hyphae  $\times 970$

e. spores  $\times 970$

C. *Patella scutellata* (St. Amans) Morgan

a. carpophores      b. asci  $\times 970$

c. spores  $\times 970$

D. *Peziza badia* Pers. ex Merat.

a. carpophores      b. hyphae  $\times 970$

c. spores  $\times 970$

Plate I

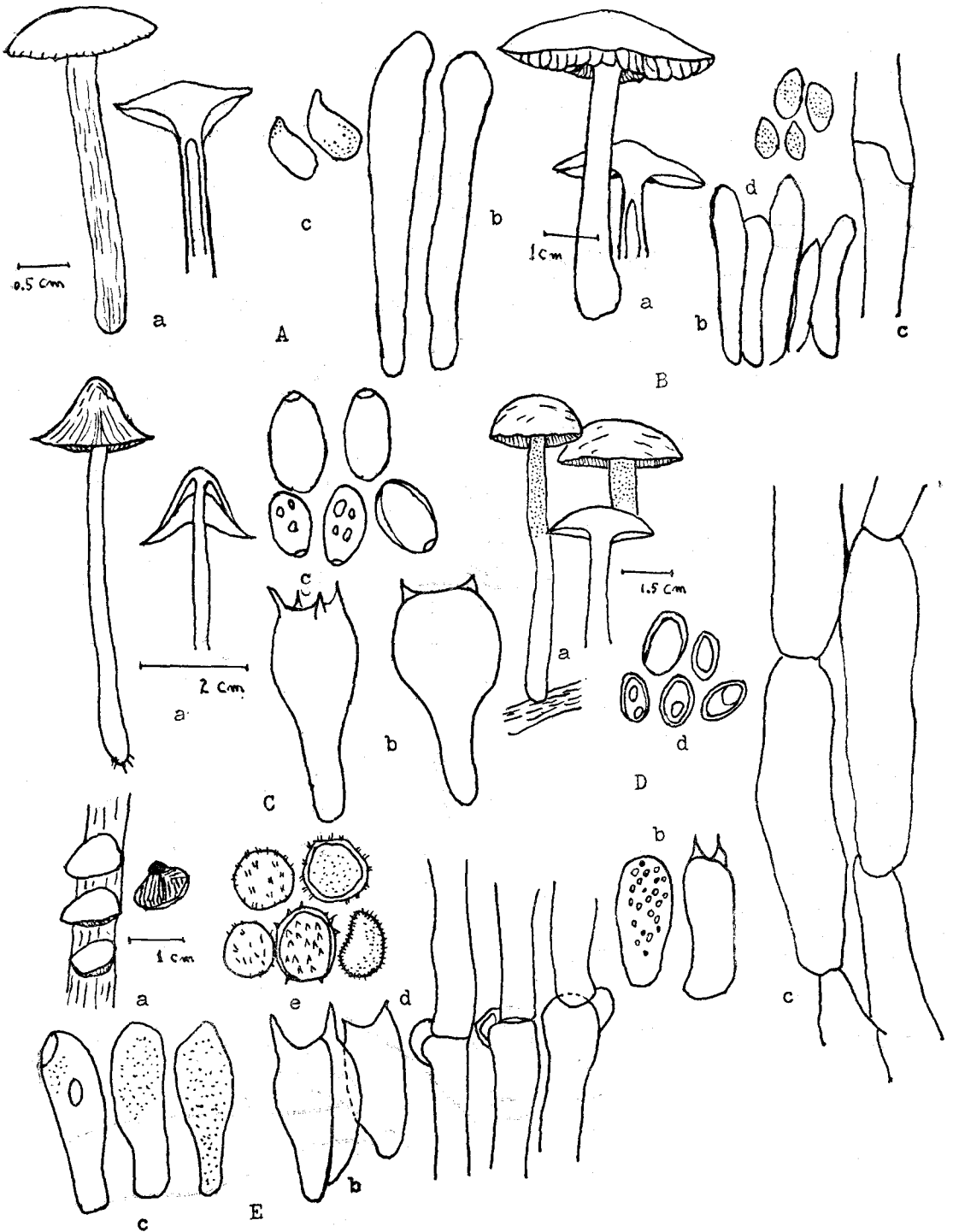


Plate II

