

The Flora of Higher Fungi in Mt. Mudeung Area(I)

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無等山 一帶의 高等 菌類相(I)

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Abstract: More than 100 specimens of higher fungi were collected at Mt. Mudeung area during the period of 1979 to May, 1980. These higher fungi were identified and included 2 classes, 6 orders, 18 families, 32 genera and 45 species. Among them, *Hygrophorus imazekii* Hongo, *Xeromphalina caudicinalis* (Fr.) Kühner et Marie, *Paneolus campanulatus* (L. ex Fr.) Quél. and *Cortinarius melliolens* P.D. Orton were new to be Korea.

I. The Descriptions of the New Species of Fungi in Korea

Hygrophorus imazekii Hongo 황적색뿔꽃버섯(新稱)
Imazeki, R. & T. Hongo, Col. Ill. Fung. Jap. 12.
f. 10. pl. 2. 1965

Hygrocybe imazekii Hongo, Jour. Jap. Bot. 30:215.
f. I (1-3). 1955

Pileus 1~2.4cm broad, plano-convexed, but some depressed at center, farinaceous of yellow, yellowish red, yellow at margin, yellowish red mixed yellow when dry, flesh thin, yellowish red or yellow, edge splitted when dry.

Lamellae 1.5~3mm wide, white or more or less yellowish white, sparsed, decurrent. Stipe 1.7~2.5 cm long, 2~3mm thick, upward thick, yellowish red or yellow but downwards deeper, bent, hollow, yellowish white. Spores 7.6~8.0×4.3~5.4 μ m, white, broad elliptical or reniform, punctate, nonamyloid, basidia 35.8~41.5×3.6~7.2 μ m, clavate.

Hab.: Clustered on soils in fall.

Distr.: Korea(Mt. Mudeung), Japan.

Xeromphalina caudicinalis(Fr.) Kühner et R.Marie
가랑잎 이끼살이버섯(新稱)

Kühner & R. Marie, Bull. Soc. Myc. Fr. 50:18.
1934-Konrad & Maublanc, Agaricales, 1:330. 1948-
Singer, Agaricales, 368. 1949-Hongo, Bull. Fae.L.b.
Arts. Sci. Educ. Shiga Univ. 5:57. 1956.

Imazeki, R. & T. Hongo, Col. III. Fung. Jap. 41.
f. 92. pl. 16. 1957.

Marasmius caudicinalis Fr. Epicr. Myc. 383. 1883;
Monoger. Hymen. Suec. 2:57. 1863: Hymen. Eur.
476. 1874.

Omphalina sphagnorum Kobay. Sci Res. Ozegahara
Moor, 557, f. 4, pl. 1. 1954.

Pileus 1~1.8cm broad, round mountain-shaped to plane or convex at center, non haired, yellowish brown but dark brown at center, odor absent, irregular at margin, flesh thin, tough. Lamellae 1mm wide, cream colored or yellowish brown, sparsed, decurrent. Stipe 2~3cm long, 1mm thick, horny, tough, darkish brown, fine tomentose of fade out brown distributed upward. Spores 4.3(3)~5.7×2.6~3.6 μ m, white under the microscope, elliptical, smooth

Hab.: Gregarious on grasses or fallen leaves in summer to fall.

Distr.: Korea (Kwangju), Japan, Europe, North America.

Paneolus campanulatus (L. ex Fr.) Quél. 종말뚝버섯(新稱).

Quél, Champ. Jura Vosg. 1:151. 1872.

Agaricus campanulatus L. Sp. Plant. 2:1175. 1753-Fries, Epicr. Myc. 236. 1838.

Pileus 1.2~3.7cm broad, round mountain-shaped or campanulate, lustered, non haired, furrow at margin when wet, grayish brown but yellowish brown or dull yellow at center, grayish brown and viscid when wet, flesh thin concolorous with the surface. Lamellae 3~4mm wide, grayish brown to dark, crowded, adnexed. Stipe 4~7cm long, 1~3mm thick, subcylindrical, fleshcolored, upwards farinaceous, downwards smooth, bent at base, hollow. Spores 10.0~14.3×7.2-10.0μm, lemonshaped, reddish brown, germ pore present, nonamyloid, colour of spore print dark.

Hab.: Clustered on the plain

Distr.: Korea (Kwangju), Japan, Europe, North America, Australia, Minor Asia.

Cortinarius melliolens P.D. Orton 적갈색 끈적버섯(新稱)

Imazeki, R. and T. Hongo, Col. Ill. Fung. Jap. 79. f. 149. pl. 24. 1965.

Pileus 2.6~7.5cm broad, campanulate to plane but convex at center, reflexed at edge when adult, glabrous when moist, yellowish white, red mixed light brown, fade out dullorange at center, flesh thick, elastic, white, non changed color when touched, odor similar to *Tricholoma matustake*. Lamellae 3~6mm wide, pink or whitish pink to pale brown and dull reddish orange or brown, crowded, adnate or adnexed. Stipe 3.5~10cm long, 0.4~0.9cm thick, equal, cellular, some bulbed at base, bent, white, upward farinaceous, solid. Spores 8.3~9.5×5.2~6.4μm, broad elliptical, dark yellow but yellowish white in mass, nonamyloid, punctate, color of spore print grayish red brown, dull reddish orange or brown.

Hab.: Cespitose or gregarious on soil of confusion forests in summer to fall. Edible.

Distr.: Korea (Kwangju), Japan, Europe, North America.

II. The List of Higher Fungi in Mt. Mudeung Area

Basidiomycetes 담자균綱

Homobasidiae 등담자균아綱

Agaricales 주름버섯목

Hygrophoraceae 빛꽃버섯목

Hygrophorus imazeki Hongo

Trichomataceae 송이목

Armillariella tabescens (Fr.) Sing. 뽕나무버섯부치

Collybia dryophila (Fr.) Quél. 굵은무리애기버섯

C. maculata (Fr.) Kummer 점박이애기버섯

Laccaria amethystina (Fr.) Berk. et Br. 자주줄자버섯

Lepista subnuda Hongo 자주방망이 버섯아재비

Marasmius maximus Hongo 큰낙엽버섯

M. androsaceus (Fr.) Fr. 연낙엽버섯

Tricholomopsis rutilans (Fr.) Sing. 솔버섯

Xeromphalina caucinialis (Fr.) Kühner

Amanitaceae 광대버섯목

Amanita vaginata (Fr.) Quél. 우산버섯

Agaricaceae 주름버섯목

Lepiota procera (Fr.) S.F. Gray갓버섯

Coprinaceae 먹물버섯목

Coprinus micaceus (Fr.) Fr. 갈색먹물버섯

Paneolus camp. nulatus (L. ex Fr.) Quél.

Bolbitiaceae 소뚱버섯목

Conocybe lactea (Lange) Metrod 노란뚱버섯

Strophariaceae 독청버섯목

Naematoloma fasciculare (Fr.) Karst. 노란다발

Pholiota adiposa (Fr.) Quél. 검은비늘버섯

Cortinariaceae 끈적버섯목

Cortinarius turmalis Fr.

Boletaceae 그물버섯목

Boletus erythropus Fr. 붉은대 그물버섯

Suillus bovinus (Fr.) Kuntze 황소비단 그물버섯

S. granulatus (Fr.) Kuntze 젓비단 그물버섯

S. grevillei (Klotzch) Sing. 큰비단 그물버섯

Russulaceae 무당버섯목

Lactarius hatsukata Tanaka 젓버섯 아재비
L. piperatus (Fr.) S.F. Gray 굴털이
L. volemus Fr. 젓버섯
L. subzonarius Hongo 당귀젓버섯
Russula densifloia (Secr.) Gill. 애기무당버섯
R. cyanixantha (Schw.) Fr. 청머루 무당버섯
R. emetica (Fr.) S.F. Gray 무당버섯
R. nigricans Fr. 절구버섯
R. soroia Fr. 회갈색 무당버섯

Aphyllophorales 민주름버섯목

Clavariaceae 국수버섯목

Clavulina cristata (Fr.) Schroet 벚싸리버섯
Ramaria subbotrytis (Coker) Corner 산호싸리
 버섯

Hydnaceae 턱수염버섯목

Hydnum repandum Fr. 턱수염버섯

Cantharellaceae 피코리버섯목

Cantharellus cibarius Fr. 피코리버섯
C. floccosus Sw. 나팔버섯
Craterellus aureus Berk. et Curt 황금뽕나팔
 버섯

Polyporaceae 구멍잡이버섯목

Coriolus consors (Berk.) Imaz. 송곳니구름버섯
C. versicolor (Fr.) Quél. 구름버섯
Elfvigia applanata (Pers.) Karst. 잔나비질상
Ganoderma lucidum (Fr.) Karst. 불로초

Gastromycetes 복근류

Lycoperdales 말뚝버섯목

Lycoperdaceae 말뚝버섯목

Lycoperdon perlatum Pers. 말뚝버섯

Hymenogastrales 알버섯목

Rhizopogonaceae 알버섯목

Rhizopogon rubescens (Tul.) Tul. 알버섯

Scleroderma tales 어리알버섯목

Calostomataceae 연자버섯목

Astraeus hygrometricus (Pers.) Morg. 먼지
 버섯

Heterobasidiaceae 이담자균아목

Tremellales 흰목이목

Tremellaceae 흰목이목

Tremella fuciformis Berk. 흰목이

摘 要

1979年 6월부터 1980年 5월까지 無等山一帶의 高等
 菌類를 100餘點採集하여 同定 하였다. 그 結果 2綱 6
 目 18科 32屬 45種을 分類하였으며 그중에서 韓國未記
 録種은 다음과 같다.

Hygrophorus imazekii Hongo

Xeromphalina caudicinalis (Fr.) Kühner et Marie

Paneolus campanulatus (L. ex Fr.) Quél.

Cortinarius melliolens P.D. Orton

The Explanation of Plate I

A. *Hygrophorus imazekii* Hongo

A-1, carpophores ×1 A-2, spores ×1000

A-3, basidia ×1000

B. *Xeromphalina caudicinalis* (Fr.) Kühner et Marie

B-1, carpophores ×2/3 B-2, spores ×1000

C. *Paneolus campanulatus* (L. ex Fr.) Quél.

C-1, carpophores ×1/2 C-2, spores ×1000

D. *Cortinarius melliolens* P.D. Orton

D-1, carpophores ×1/2 D-2, spores ×1000

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