

The Revised Checklist of Myxomycetes in Taiwan

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One of the earliest records of slime moulds in Taiwan was summarized in 1929 and 1931 by Nakazawa, who described about 133 species and varieties. Since then, there were only a few reports in concerning their taxa for the above subject. Recently, a Myxomycetes of Taiwan raising 15 species with one new record of *Stemonitis* has been reported by Liu (1980). However, in 1981, Shi collected and identified 15 species of slime moulds from Yang-Ming Shan (Taipei) in which including 2 new records of *Licea* in Taiwan.

The previous publications have been reviewed by authors and confirmed only a total of 98 species and varieties as described by Martin and Alexopoulos (1969) "The Myxomycetes". The rest were considered either doubtful or synonymous as per modern mycologists.

In this paper, 34 new records are added to make the number of slime moulds to a total amount of 132. Of 34 new records, 2 are Liceaceae, 3 Reticulariaceae, 1 Dianemaceae, 4 Cribrariaceae, 4 Trichiaceae, 9 Physaraceae, 2 Didymiaceae and 9 Stemonitaceae.

Our all specimens have been examined and identified as following to Martin and Alexopoulos (1969), Emoto (1972). All the specimens are deposited in the Morphology Laboratory, Biology Department, National Taiwan Normal University, Taipei, Taiwan, Republic of China.

High temperature and high humidity in Taiwan benefit the growth of slime moulds. Therefore, We believe that there are still many more species remained to undiscover and challenge us to spend our effort.

Class Myxomycetes 黏菌綱

Subclass Ceratiomyxomycetidae 鵝絨菌亞綱

Order Ceratiomyxales 鵝絨菌目

Family Ceratiomyxaceae 鵝絨菌科

1. *Ceratiomyxa fruticulosa* (Müll.) Macbr.
鵝絨菌
(*Ceratiomyxa fruticulosa* Macbr. var.
flexuosa Lister)
(*Ceratiomyxa fruticulosa* (Alb. &
Schw.) Macbr. var. *porioides* Lister)
(*Ceratiomyxa descendens* Emoto)

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Locality : Taipei: Huang & Wang^{1,2} 0332,
0424, Tsai, 0564, 0801,
Ilan : Huang & Wang^{1,2} 0474,
0500, Hsin-chu: Wang 0807,
Botel Tobago: Huang 0795,
0796, Taitung: Huang 0823,
Taichung: Koaze s.n. 1928
Kaohsiung: Koaze s.n. 1928

Subclass Myxogastromycetidae

黏膜菌亞綱

Order Liceales 無絲菌目

Family Liceaceae 無絲菌科

2. *Licea operculata* (Wingate) Martin 蓋膜無絲菌
(*Orcadella operculata* Wingate)
Locality: Kaohsiung, Koaze s.n. 1928.
This species had been reported by Nakazawa in 1928, but no specimens was deposited in this country.
 3. *Licea biforis* Morgan 二裂無絲菌
Locality: Taipei: Yang-Ming Shan Shi 014.
This species is a new record for Taiwan, The specimens are deposited with Taiwan Provincial Hsin-chu Teacher's College.
 4. *Licea minima* Fries 小無絲菌
Locality: Taipei: Yang-Ming Shan Shi 015
This species is a new record for Taiwan, The specimens are deposited with Taiwan Provincial Hsin-chu Teacher's College.
- Family Reticulariaceae 線膜菌科
5. *Tubifera casparyi* (Rost.) Macbr. 卡氏筒菌
Locality: Ilan: Huang & Wang^{1,2} 0476.
This species is a new record for Taiwan
 6. *Tubifera ferruginosa* (Batsch) J. F. Gmel. 筒菌
Locality: Taipei: Nakazawa s.n. 1927,
1928.
This species had been reported by Nakazawa in 1929, no specimens was deposited in this country.
 7. *Tubifera microsperma* (Berk. & Curt.) Martin 叢立筒菌
(*Tubifers stipata* Macbr.)
Locality: Taipei: Huang & Wang^{1,2} 0380, 0628,
Taichung: Koaze s.n. 1928.
 8. *Dictydiaethalium plumbeum* (Schum.) Rost. 線筒菌
(*Dictydiaethalium plumbeum* Rost. var. *cinnabarinum* Hiranuma)
(*Dictydiaethalium plumbeum* Rost. var. *entoxanthum* (Berk.) G. Lister)
Locality: Taipei: Huang 0120, 0344.
Huang & Wang^{1,2} 0629.
Ilan: Taiping Shan Huang & Wang^{1,2} 0476.
 9. *Lycogala conicum* Pers. 錐形粉瘤菌
Locality: Taipei: Wang^{1,2} 0295
This species is a new record for Taiwan.
 10. *Lycogala epidendrum* (L.) Fries 粉瘤菌
Locality: Taipei: Huang & Wang^{1,2} 0520, 0550.
Taichung: Huang & Wang^{1,2} 0589.
Ilan: Huang & Wang^{1,2} 0503, 0520.
Cha-Yi: A-Li Shan 0745, 0746.
Hsing Chu: Wang^{1,2} 0699.
This is one of the commonest slime moulds in Taiwan.
 11. *Lycogala exiguum* Morgan 小粉瘤菌
Locality: Taipei: Wang^{1,2} 0366
This species is a new record for Taiwan.
 12. *Lycogala flavofuscum* (Ehrenb) Rost. 大粉瘤菌
Locality: Kaohsiung: Koaze s.n. 1928.
Reported by Nakazawa in 1929, No spec-

imens were deposited in this country.

13. *Reticularia lycoperdon* Bull. 線膜菌
 Locality: Taipei: Huang 0420.
 Ilan: Taipieng Shan Huang & Wang^{1,2} 0454.
 Taichung: Koaze s.n. 1928.
 Tainan: Tsai 0707.

Family Cribrariaceae 篩菌科

14. *Cribraria argillacea* (Pers.) Pers. 黃篩菌
 Locality: Taipei: Nakazawa s.n. 1928.
 Reported by Nakazawa in 1929. No specimens were deposited in this country.
15. *Cribraria aurantiaca* Schrad 橘黃篩菌
 Locality: Taipei: Huang & Wang^{1,2} 0432
 Ilan: Huang & Wang^{1,2} 0467
 This species is a new record for Taiwan.
16. *Cribraria intricata* Schrad 密篩菌
 (*Cribraria intricata* var. *dictyoides*
 (Cooke & Balf.) A. Lister)
 Locality: Taipei: Huang & Wang^{1,2} 0372,
 0373, 0433
 Ilan: Huang & Wang^{1,2} 0479,
 Taichung, Kaohsiung: Koaze
 s.n. 1928.
17. *Cribraria languescens* Rex. 垂篩菌
 Locality: Taipei: Huang & Wang^{1,2} 0376.
 Nakazawa s.n. 1927.
 Hsin-chu, Wang^{1,2} 0700
18. *Cribraria macrocarpa* Schrad. 大篩菌
 Locality: Ilan: Tai-pieng Shan Huang &
 Wang^{1,2} 0481
 This species is a new record for Taiwan.
19. *Cribraria microcarpa* (Schrad) Pers. 小篩菌
 Locality: Taipei: Huang & Wang^{1,2} 0374,
 Koaze s.n. 1928.
 Ilan: Huang & Wang^{1,2} 0452
20. *Cribraria piriformis* Schrad 梨篩菌
 Locality: Kaohsiung: Asahina s.n. 1926
 Reported by Nakazawa in 1929, No spec-

imens were deposited in this country.

21. *Cribraria splendens* (Schrad.) Pers 美篩菌
 Locality: Taipei: Huang & Wang^{1,2} 0308,
 This species is a new record for Taiwan.
22. *Cribraria tenella* Schrad 細篩菌
 Locality: Taipei: Huang & Wang^{1,2} 0356.
 Koaze s.n. 1928.
 Hsin-chu: Wang^{1,2} 0443.
 Taichung: Koaze s.n. 1928
23. *Cribraria violacea* Rex 紫篩菌
 Locality: Taipei: Wang^{1,2} 0566, Koaze
 s.n. 1928.
24. *Cribraria vulgaris* Schrad 橙篩菌
 Locality: Taipei: Wang & Huang^{1,2} 0253
 This species is a new record for Taiwan.
25. *Dictydium cancellatum* (Batsch) Macbr.
 燈籠菌
 (*Dictydium cancellatum* Macbr. *fuseum*
 Lister)
 Locality: Taipei: Huang & Wang^{1,2} 0254,
 0367, 0434, 0353, Nakazawa
 s.n. 1927.
 Ilan: Huang & Wang^{1,2} 0477,
 0483,
 Taichung: Huang & Wang^{1,2} 0506
 Hsin-chu: Wang^{1,2} 0445.
 This is one of the commonest species in
 Taiwan.

Order Trichiales 團毛菌目

Family Dianemaceae 離絲菌科

26. *Calomyxa metallica* (Berk.) Nieuwl. 華離絲菌
 Locality: Taipei: Huang 0257.
 This species is a new record for Taiwan.
27. *Minakatella longifila* G. Lister. 迷絲菌
 Locality: Taichung: Nakazawa s.n. 1931.
 Reported by Nakazawa in 1931. No spec-

imens were deposited in this country.

Family Trichiaceae 團毛菌科

28. *Perichaena chrysoesperma* (Currey) A. Lister 黃蓋碗菌
 Locality: Taipei: Huang & Wang^{1,2} 0572 0643, Koaze s.n. 1928
 Taichung: Huang & Wang^{1,2} 0596, Tainan: Tsai 0704.
29. *Perichaena corticalis* (Batsch) Rost. 皮蓋碗菌
 (*Perichaena corticalis* Rost. var. *liceoides*)
 Locality: Taipei: Huang & Wang^{1,2} 0366
 Taichung: Koaze s.n. 1928.
30. *Perichaena depressa* Libert 蓋碗菌
 Locality: Taipei: Huang 0055, Huang & Wang^{1,2} 0256, 0400, 0330, Koaze s.n. 1928.
 Hsin-chu: Wang^{1,2} 0680, Tsai 0805.
 Taichung: Koaze s.n. 1928.
31. *Perichaena vermicularis* (Schw.) Rost. 蟲蓋碗菌
 Locality: Taipei: Huang & Wang^{1,2} 0348, 0414, 0526,
 Taichung & Kaohsiung: Koaze s.n. 1928.
32. *Arcyria carnea* (G. Lister) G. Lister 紅團網菌
 Locality: Taipei: Huang 0753, Hsinchu: Wang^{1,2} 0678,
 Pington: Huang & Wang^{1,2} 0241
 This species is a new record for Taiwan.
33. *Arcyria cinerea* (Bull.) Pers. 灰團網菌
 Locality: Taipei: Huang & Wang^{1,2} 0189, 0184, 0544,
 Nantou: Wang^{1,2} 0276,
 Taichung: Huang & Wang^{1,2} 0588, Tainan: Tsai 0653,
 Kaohsiung: Koaze s.n. 1928.
- Taitung: Huang 0825,
 Ilan: Huang & Wang^{1,2} 0449, 0460,
 Pington: Huang & Wang^{1,2} 0238, 0240,
 This is one of the commonest slime mould in Taiwan
34. *Arcyria denudata* (L.) Wettst. 暗紅團網菌
 Locality: Taipei: Huang & Wang^{1,2} 0204, 0397, 0181, 0568,
 Taichung: Huang & Wang^{1,2} 0592,
 Nantou: Wang^{1,2} 0276,
 Pington: Huang & Wang 0236.
35. *Arcyria incarnata* (Pers.) Pers. 粉紅團網菌
 (*Arcyria incarnata* Pers. var. *Stolonifera* Kaoze)
 Locality: Taipei: Huang & Wang^{1,2} 0315,
 Hsinchu: Wang^{1,2} 0486,
 Taichung, Kaohsiung: Koaze, s.n. 1928.
36. *Arcyria insignis* Kalchbr. & Cooke 細團網菌
 (*Arcyria insignis* var. *major* G. Lister)
 Locality: Taipei: Huang & Wang^{1,2} 0179, 0395, 0270, Nakazawa s.n. 1928,
 Ilan: Huang & Wang^{1,2} 0509,
 Taichung: Huang & Wang^{1,2} 0615, Koaze s.n. 1928.
37. *Arcyria leiocarpa* (Cooke) Martin 光孢團網菌
 (*Hemitrichia leiocarpa* (Cooke) A. Lister)
 Locality: Tainan: Asahina s.n. 1924.
 Reported by Nakazawa in 1929. No specimens were deposited in this country.
38. *Arcyria nutans* (Bull.) Grev. 黃團網菌
 Locality: Taichung and Kaohsiung, Koaze s.n. 1928.
 Reported by Nakazawa in 1929. No specimens were deposited in this country.

39. *Arcyria pomiformis* (Leers) Rost. 果形團網菌
 Locality: Taipei: Huang & Wang^{1,2} 0078, 0535, Koaze s.n. 1928,
 Ilan: Huang & Wang^{1,2} 0493.
40. *Hemitrichia calyculata* Speg. 杯狀半網菌
 Locality: Taipei: Huang & Wang^{1,2} 0192, 0288, 033F,
 Nantou: Wang^{1,2} 0277,
 Ilan: Huang & Wang^{1,2} 0462,
 Pington: Huang & Wang^{1,2} 0245.
 This species is a new record for Taiwan
41. *Hemitrichia clavata* (Pers) Rost. 棒形半網菌
 Locality: Taichung: Lishan, chen 0137, 0138.
 This is a mountain species in Taiwan, Nakazawa made a number of collection from Taipei and Tainan may be incorrect.
42. *Hemitrichia serpula* (Scop.) Rost. 蛇形半網菌
 Locality: Taipei: Huang & Wang^{1,2} 0045, 0090, 0551, 0334, 0622.
 Taichung: Nakazawa s.n. 1928.
 Nantou: Wang^{1,2} 0271,
 Pington: Huang & Wang^{1,2} 0242.
43. *Trichia botrytis* (J.F. Gmel.) Pers. 叢立團毛菌
 (*Trichia botrytis* Pers. var. *cerifera* G. Lister)
 Locality: Tainan: Koaze s.n. 1915.
 Reported by Nakazawa in 1929. No specimens were deposited in this country
44. *Trichia contorta* (Ditmar) Rost. 縷紋團毛菌
 (*Trichia contorta* Rost. var. *lowensis* Tor.)
 Locality: Taipei: Koaze s.n. 1915
 Reported by Nakazawa in 1929. No specimens were deposited in this country
45. *Trichia decipiens* (Pers.) Macbr. 長尖團毛菌
 Locality: Chia-yi: Mt. Morrison Huang 0727, 0735.
 This species is a new record for Taiwan
46. *Trichia favoginea* (Batsch) Pers. 深格團毛菌
 (*Trichia affinis* de Bary)
 (*Trichia persimilis* Karst.)
 Locality: Taipei: Huang & Wang^{1,2} 0311.
 Ilan: Huang & Wang^{1,2} 0464
 Nantou: Wang^{1,2} 0159, 0278,
 Chia-yi: Koaze s.n. 1924.
47. *Trichia floriformis* (Schw.) G. Lister 紫褐團毛菌
 Locality: Taipei: Koaze s.n. 1928,
 Taichung: Asahine s.n. 1926.
 Reported by Nakazawa in 1929. No specimens were deposited in this country.
48. *Trichia scabra* Rost. 棘絲團毛菌
 Locality: Nantou: Wang^{1,2} 0282.
 This species is a new record for Taiwan
49. *Trichia verrucosa* Berk. 瘤壁團毛菌
 Locality: Kaohsiung Asahina s.n. 1926.
 Reported by Nakazawa in 1929. No specimens were deposited in this country.
50. *Metatrichia vesparium* (Batsch) Nann. Brem 蜂巢菌
 (*Hemitrichia vesparium* Macbr.)
 Locality: Taipei: Yeh 0756,
 Taichung: Asahina s.n. 1925.

Order Physarales 絨泡菌目

Family Physaraceae 絨泡菌科

51. *Physarella oblonga* (Berk & Curt) Morgan 小黏膜菌
 Locality: Taipei: Huang 0035, 0345
 Taichung: Huang & Wang^{1,2} 0584
 Ilan: Huang & Wang^{1,2} 0451
 Kaohsiung: Koaze s.n. 1928.
52. *Badhamia affinis* Rost. 黑柄鈣絲菌
 (*Badhamia affinis* Rost. var. *orbiculata* G. Lister)

- Locality: Taipei: Huang & Wang^{1,2} 0354.
Taichung: Kaoze s.n. 1928.
53. *Badhamia macrocarpa* (Ces.) Rost. 大孢鈣絲菌
Locality: Taipei: Koaze s.n. 1928,
Taichung: Nakazawa s.n. 1928
Reports by Nakazawa in 1929, No specimens was deposited in this country.
54. *Badhamia nitens* Berk. 黃鈣絲菌
Locality: Taipei, Tainan and Kaohsiung:
Koaze s.n. 1928
Reported by Nakazawa in 1929, No specimens was deposited in this country.
55. *Badhamia panicea* (Fries) Rost. 稷鈣絲菌
Locality: Taipei: Wang² 0339.
This species is a new record for Taiwan
56. *Fuligo cinerea* (Schw) Morgan 灰煤絨菌
Locality: Tainan: Koaze s.n. 1928.
Reported by Nakazawa in 1929, No specimens was deposited in this country.
57. *Fuligo intermedia* Macbr. 薄煤絨菌
(*Fuligo cinerea* var. *ecorticata* G. Lister)
Locality: Tainan: Koaze s.n. 1928
Reported by Nakazawa in 1929, No specimens was deposited in this country.
58. *Fuligo septica* (L.) Wiggers 煤絨菌
Locality: Taipei: Huang & Wang^{1,2}
0042(b), 0201,
Hsinchu: Wang^{1,2} 0691 Koaze
s.n. 1928
59. *Erionema aureum* Penzig 黃絨線菌
Locality: Taipei: Wang^{1,2} 0725
Taichung: Koaze s.n. 1928
60. *Cienkowskia reticulata* (Alb. & Schw.)
Rost. 鈎絲菌
Locality: Kaohsiung: Koaze s.n. 1928.
Reported by Nakazawa in 1929, No specimens was deposited in this country.
61. *Craterium aureum* (Schum.) Rost. 黃高杯菌
Locality: Taipei: Yeh 0507
This species is a new record for Taiwan
62. *Craterium leucocephalum* (Pers.) Ditmar
白頭高杯菌
Locality: Taipei: Huang 0269, Koaze
s.n. 1928,
Tainan: Tsai 0651.
63. *Physarum bivalve* Pers. 雙瓣絨泡菌
Locality: Taipei: Wang^{1,2} 0571
This species is a new record for Taiwan
64. *Physarum cinereum* (Batsch) Pers. 灰絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0402,
0410. Koaze s.n. 1928.
65. *Physarum compressum* Alb. & Schw. 扁絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0346,
0108, 0263 Nakazawa s.n.
1928.
Taichung: Koaze s.n. 1
Tainan: Cheng 0005,
Hualian: Wang^{1,2} 0114.
66. *Physarum crateriforme* Petch 杯形絨泡菌
Locality: Taipei, Taichung, Tainan,
Kaohsiung: Koaze s.n. 1928
Reported by Nakazawa in 1929, No specimens was deposited in this country.
67. *Physarum didermoides* (Pers.) Rost. 雙皮絨泡菌
Locality: Taichung Koaze 1928
Reported by Nakazawa in 1929, No specimens was deposited in this country.
68. *Physarum flavicomum* Berk. 黃頭絨泡菌
Locality: Taipei, Taichung and Kaohsiung:
Koaze s.n. 1928
Reported by Nakazawa in 1929, No specimens was deposited in this country.
69. *Physarum globuliferum* (Bull.) Pers. 全白絨泡菌
Locality: Chia-Yi: Alisan, Wang^{1,2} 0063.
This species is a new record for Taiwan
70. *Physarum gyrosum* Rost. 圈絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0078a,

74

75.

76.

77.

0204.
This species is a new record for Taiwan
71. *Physarum leucophaeum* Fries 白頭絨泡菌
(*Physarum nutans* var. *leucophaeum* Lister)
Locality: Taipei, Taichung: Koaze s.n. 1928.
Reported by Nakazawa in 1929, No specimens were deposited in this country
72. *Physarum leucopus* Link 白柄絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0363b.
Ilan: Huang & Wang^{1,2} 0448,
Taichung: Huang & Wang^{1,2} 0585.
This species is a new record for Taiwan
73. *Physarum melleum* (Berk & Br.) Masee 淡黃絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0066, 0258, 0170,
Nakazawa s.n. 1927, 1928.
Hsinchu: Wang^{1,2} 0670.
This is one of the commonest slime moulds in Taiwan
74. *Physarum nicaraguense* Macbr. 尼國絨泡菌
(*Physarum reniforme* Lister)
Locality: Taipei: Koaze s.n. 1928.
Reported by Nakazawa in 1929, No specimens were deposited in this country.
75. *Physarum notabile* Macbr. 異結絨泡菌
(*Physarum connatum* Lister)
Locality: Taichung, Tainan: Koaze s.n. 1928.
Reported by Nakazawa in 1929, No specimens were deposited in this country.
76. *Physarum nucleatum* Rex 鈣核絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0211, 0215, 0519, 0537, Koaze s.n. 1928.
77. *Physarum nutans* Pers. 垂頭絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0369, Koaze s.n. 1928,
Ilan: Huang & Wang^{1,2} 0494,
- 0502,
Taichung, Tainan and Kaohsiung: Koaze s.n. 1928.
78. *Physarum oblatum* Macbr. 玉米絨泡菌
(*Physarum maydis* Tor.)
Locality: Taipei: Huang & Wang^{1,2} 0352, Koaze s.n. 1928,
Taichung: Koaze s.n. 1928.
Pington: Huang 0158.
79. *Physarum ovisporum* G. Lister 卵孢絨泡菌
Locality: Taipei: Koaze s.n. 1928
Reported by Nakazawa in 1929, No specimens were deposited in this country.
80. *Physarum pezizoideum* (Jungh.) Pav. 盤頭絨泡菌
(*Trichamphora pezizoideum* Jungh.)
Locality: Tainan: Koaze s.n. 1928
Reported by Nakazawa in 1929, No specimens were deposited in this country.
81. *Physarum polycephalum* Schw. 多頭絨泡菌
Locality: Taipei: Huang 0142, Koaze s.n. 1928,
Taichung: Otiat s.n. 1928.
82. *Physarum pusillum* (Berk. & Curt.) G. Lister 小絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0363a, 0405, 0525, Koaze s.n. 1928.
83. *Physarum rigidum* (G. Lister) G. Lister 剛絲絨泡菌
Locality: Taipei: Huang & Wang 0365
Wang^{1,2} 0530.
Taichung: Huang & Wang^{1,2} 0586, Koaze s.n. 1928.
84. *Physarum roseum* Berk & Br. 薔薇絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0216
Hsinchu: Wang^{1,2} 0671.
Kaohsiung, Taichung: Koaze s.n. 1928,
Pington: Huang & Wang^{1,2} 0224.
85. *Physarum serpula* Morgan 蛇形絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0351,

- 0364, 0604.
This species is a new record for Taiwan
86. *Physarum tessellatum* Martin & Farr 鑲格絨泡菌
Locality: Tainan: Tsai, 0702.
This species is a new record for Taiwan
87. *Physarum vernum* Somm 板節絨泡菌
Locality: Taipei, Huang & Wang^{1,2} 0353
This species is a new record for Taiwan
88. *Physarum viride* (Bull.) Pers. 綠絨泡菌
Locality: Taipei: Huang & Wang^{1,2} 0155, 0583, 0307, 0326, 0430, 0560, 0617,
Taichung, Ksohsiung: Koaze s.n. 1928.
- Family Didymiaceae 鈣皮菌科
89. *Diachea bulbillosa* (Berk. & Br.) A. Lister 球形白柄菌
Locality: Taipei: Koaze s.n. 1928
Reported by Nakazawa in 1929. No specimens were deposited in this country.
90. *Diachea leucopodia* (Bull.) Rost. 白柄菌
Locality: Taipei: Huang & Wang^{1,2} 0146, 0148, 0574.
Taichung: Huang & Wang^{1,2} 0594.
Koaze s.n. 1928.
Tainan: Chen 0004.
91. *Diderma chondrioderma* (de Bary & Rost.) G. Lister 角形雙皮菌
Locality: Taipei: Koaze s.n. 1928
Reported by Nakazawa in 1929. No specimens were deposited in this country.
92. *Diderma effusum* (Schw.) Morgan 墊形雙皮菌
(*Badhamia nitens* Berk. var. *reticulata* G. Lister)
Locality: Taipei: Huang & Wang^{1,2} 0198, 0608. Koaze s.n. 1928,
Hsinchu: Wang 0442, Taichung: Huang & Wang^{1,2} 0598.
Tainan: Tsai 0655
93. *Diderma floriforme* (Bull.) Pers. 花形雙皮菌
Locality: Tainan: Koaze s.n. 1928
Reported by Nakazawa in 1929. No specimens were deposited in this country.
94. *Diderma hemisphaericum* (Bull.) Hornem 半圓雙皮菌
Locality: Taipei: Nakazawa s.n. 1928
Huang & Wang^{1,2} 0012, 0607, 0437,
Taichung: Huang & Wang^{1,2} 0601.
95. *Didymium anellus* Morgan 環形鈣皮菌
Locality: Tainan: Tsai 0652.
This species is a new record for Taiwan
96. *Didymium clavus* (Alb. & Schw.) Rab. 釘形鈣皮菌
Locality: Taipei: Koaze s.n. 1928.
Taichung: Huang & Wang^{1,2} 0587.
Hsinchu: Wang^{1,2} 0697, 0698.
Botel Tobago: Huang 0799
97. *Didymium iridis* (Ditmar) Fries 鈣皮菌
(*Didymium nigripes* var. *xanthopus* Lister)
Locality: Taipei: Nakazawa s.n. 1928,
Huang & Wang^{1,2} 0030, 0166, 0325. Hsinchu: Wang^{1,2} 0441.
98. *Didymium megalosporum* Berk. & Curt. 大孢鈣皮菌
(*Didymium nigripes* var. *eximium* Lister)
Locality: Taipei: Nakazawa s.n. 1928.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
99. *Didymium melanospermum* (Pers.) Macbr. 黑孢鈣皮菌
Locality: Taipei: Koaze s.n. 1928
Reported by Nakazawa in 1929. No specimens were deposited in this country.
100. *Didymium minus* (A. Lister) Morgan 小鈣皮菌
(*Didymium melanospermum* var. *bicolor* G. Lister)
Locality: Taipei: Huang & Wang^{1,2} 0046, 0169, 0176, 0333. Koaze s.n.

- 1928.
101. *Didymium nigripes* (Link) Fries. 黑軸鈣皮菌
Locality: Taipei: Nakazawa s.n. 1927.
Huang & Wang^{1,2} 0327, 0100,
Ilan: Taiping shan (0490)
Taichung: Koaze s.n. 1928.
102. *Didymium serpula* Fries 蛇形鈣皮菌
(*Didymium complanatum* Rost.)
Locality: Taipei: Koaze s.n. 1928.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
103. *Didymium squamulosum* (Alb. & Schw.) Fries 鱗鈣皮菌
Locality: Taipei: Huang & Wang 0029,
0099, 0162, 0390. Nakazawa s.n. 1928.
Pington: Huang & Wang^{1,2} 0160
Hwalien: Wang^{1,2} 0018.
104. *Didymium verrucosporum* Welden 粗孢鈣皮菌
Locality: Taipei: Huang & Wang^{1,2} 0219,
Hwalien: Wang^{1,2} 0113
Tainan: Tsai 0706.
This species is a new record for Taiwan.
- Subclass Stemonitomycetidae**
髮網菌亞綱
- Order Stemonitales** 髮網菌目
Family Stemonitaceae 髮網菌科
105. *Enerthenema papillatum* (Pers.) Rost. 傘絲菌
Locality: Ilan: Taipieng shan, Huang & Wang^{1,2} 0476.
This species is a new record for Taiwan
106. *Lamproderma arcyronema* Rost. 光孢亮皮菌
Locality: Taipei: Huang & Wang^{1,2} 0436, 0552, 0619
Ilan: Huang & Wang 0468.
- Tainan: Koaze s.n. 1928.
107. *Lamproderma scintillans* (Berk. & Br.) Morgan 亮皮菌
Locality: Taipei: Huang & Wang 0098, 0570. Nakazawa s.n. 1927.
Hsinchu: Wang^{1,2} 0411.
Ilan: Taipieng shan 0489.
108. *Elaeomyxa cerifera* (G. Lister) Hagelst. 脂光黏菌
(*Diachea cerifera* G. Lister)
Locality: Taichung: Asahina s.n. 1925.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
109. *Stemonitis axifera* (Bull.) Macbr. 光孢髮網菌
Locality: Taipei: Huang & Wang^{1,2} 0555.
Ilan: Huang & Wang^{1,2} 0470a
This species is a new record for Taiwan
110. *Stemonitis flavogenita* Jahn 黃髮網菌
Locality: Taipei: Huang & Wang^{1,2} 0556,
Kaohsiung: Koaze s.n. 1928.
Pington: Huang & Wang^{1,2} 0228.
111. *Stemonitis fusca* Roth 褐髮網菌
Locality: Taipei: Huang & Wang^{1,2} 0319, 0527, 0378. Koaze s.n. 1928
Ilan: Huang & Wang^{1,2} 0469.
Kaohsiung: Koaze s.n. 1928,
Pington: Huang & Wang 0226
112. *Stemonitis herbatica* Peck 草生髮網菌
Locality: Taipei: Huang & Wang^{1,2} 0222.
This species is a new record for Taiwan.
113. *Stemonitis microsperma* B. Ing 小孢髮網菌
(*Stemonitis hyperopta* var. *microspora* (A. Lister) G. Lister)
Locality: Kaohsiung: Koaze s.n. 1928.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
114. *Stemonitis nigrescens* Rex 黑髮網菌
(*Stemonitis fusca* var. *nigrescens* (Rex) Torrend)

- Locality: Taichung: Oti'ai s.n. 1928.
Reported by Nakazawa in 1929, No specimens were deposited in this country.
115. *Stemonitis pallida* Wingate. 灰褐髮網菌
Locality: Taipei: Huang & Wang 0318,
Koaze s.n. 1928
Tainan: Koaze s.n. 1928.
116. *Stemonitis smithii* Macbr. 亞小髮網菌
(*Stemonitis ferruginea* var. *smithii*
(Macbr.) G. Lister)
(*Stemonitis ferruginea* var. *violacea*
Meylan)
Locality: Taipei: Huang & Wang^{1,2} 0322,
0328. Nakazawa s.n. 1928.
Kaohsiung: Koaze s.n. 1928.
117. *Stemonitis splendens* Rost. 美髮網菌
(*Stemonitis splendens* var. *flaccida* A.
Lister)
Locality: Taipei: Nakazawa s.n. 1927.
Taichung: Oti'ai s.n. 1926.
Asahina s.n. 1925.
Nantou: Wang^{1,2} 0281.
Ilan: Huang & Wang^{1,2} 0471.
118. *Stemonitis trechispora* (Berk.) Macbr.
輪孢髮網菌
(*Stemonitis fusca* var. *trechispora* Berk.
Tor.)
Locality: Taichung: Koaze s.n. 1928.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
119. *Stemonitis wifera* Macbr. 珠髮網菌
Locality: Taipei: Nakazawa s.n. 1927.
Koaze s.n. 1928.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
120. *Comatricha aequalis* Peck. 波髮菌
Locality: Ilan: Huang & Wang^{1,2} 0466.
This species is a new record for Taiwan
121. *Comatricha dictyospora* Celak. f. 格髮菌
Locality: Taipei: Huang & Wang^{1,2} 0403,
0407.
- This species is a new record for Taiwan.
122. *Comatricha elegans* (Racib.) G. Lister
圓頭髮菌
Locality: Taipei: Huang & Wang 0057,
0561. Nakazawa s.n. 1927.
Hsinchu: Wang^{1,2} 0673, 0669.
123. *Comatricha fimbriata* G. Lister & Cran
絨髮菌
Locality: Taipei: Huang & Wang^{1,2} 0611.
This species is a new record for Taiwan
124. *Comatricha irregularis* Rex 半網髮菌
Locality: Taipei: Huang & Wang^{1,2} 0223,
0361. Nakazawa s.n. 1927.
125. *Comatricha laxa* Rost. 鬆髮菌
Locality: Taipei: Huang & Wang^{1,2} 0067,
0289, 0510, 0340, 0549,
Hsinchu: Wang^{1,2} 0447.
Chan-Hua: Wang^{1,2} 0577
Pington: Huang & Wang^{1,2} 0679.
This species is a new record for Taiwan.
126. *Comatricha longa* Peck 長髮菌
Locality: Taipei: Huang & Wang^{1,2} 0331.
Nakazawa s.n. 1927.
127. *Comatricha longa* Peck. var. *flaccida*
Minakata 長髮菌細絲變種
Locality: Kaohsiung: Koaze s.n. 1928.
Reported by Nakazawa in 1929. No specimens were deposited in this country.
128. *Comatricha nigra* (Pers.) Schroet. 黑髮菌
Locality: Taipei: Huang & Wang^{1,2} 0251,
0517. Nakazawa s.n. 1927.
Tainan: Koaze s.n. 1924.
Ilan: Huang & Wang^{1,2} 0480.
129. *Comatricha pulchella* (C. Bab.) Rost. 美髮菌
(*Comatricha pulchella* var. *fusca* Lister)
Locality: Taipei: Huang & Wang^{1,2} 0264,
0317, 0516. Koaze s.n. 1928.
Hsinchu: Wang^{1,2} 0694.
Taichung: Huang & Wang^{1,2}

- Koaze s.n. 1928. Locality: Taipei: Wang^{1,2} 0539, 0576.
 Ilan: Huang & Wang^{1,2} 0505. This species is a new record for Taiwan.
 Pington: Huang & Wang^{1,2} 0231, 132. *Comatricha typhoides* (Bull.) Rost. 香
 蒲髮菌
 0234
 130. *Comatricha rubens* A Lister 橢圓髮菌
 Locality: Taipei: Huang & Wang^{1,2} 0620
 This species is a new record for Taiwan
 131. *Comatricha tenerima* (M. A. Curt.) G. Locality: Taipei: Nakazawa s.n. 1927.
 Lister 梭髮菌 Taichung: Koaze s.n. 1928.
 Reported by Nakazawa in 1929. No specimens were deposited in this country.

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增訂台灣黏菌名錄

王順美 王郁文 黃 生

台灣的黏菌分類研究最早見於1929年及1931年，由日人中澤氏（Nakazawa）所發表，總共記載133種。筆者等將此文與現代學者如Alexopolous, Martin, Olive等之著作或研究報告比對，發現其中有甚多為同種異名或為有疑問之種類，而原著者之標本未在國內尋得，故僅依據資料重行整理，將異名歸併，存疑種刪除，共得98種。

筆者等於民國69年至70年間進行採集，收集標本八百餘份，經鑑定後有34種為新紀錄，故台灣之黏菌已知者為132種。

台灣之環境極適合黏菌之生長，依筆者等之管見，仍有多種尚未採得，仍待進一步調查。本文因原始名錄所列標本無法查對，恐有疏誤，敬請諸先進指正。