


Penang ~~Aratid~~ coll. A.J. Wallay 10.4.01 10/01
Malaysia Pantai Cherating, Terlangganu 103°E 5°N

incubated 29.4.01

30.4

Pileobolus sporangia deep orange spherical
Spores 12-13 diam Sphaerosporus ✓
thin walled.

Sordaria  Spores ellipsoid, slightly
pointed towards base ascus 18-19 x 10-11

~~Perithecia~~ quite small < 300 diam
very thin or so gel. Small thin, but walled, in
rather perithecia limicola ✓

Sporomucella minima ✓ 4 ER2 halving 35 x 5

2.5 P.l. sphaerosporus ✓
honey comb like lower
of spores on slide
10 x 8 = 117.2 x 93 = 11-12


7.5 Cephus initials reddish sphaerocytes - rough
remnant
Some elongated and compound elements

Sordaria Sp 18-19 x 12.5 limicola ✓

Saccobolus very small apothecia < 200 diam

3 + 3 + 2 spores purple, very rough exospores, rounded
Sum. 32 x 13 spores 12.5-13 x 9

asci 9-110 x 27-25

→ connecting somewhat  or for removisporus ✓

14.5 Coprinus 4-spored, no focal cystidia
 reddish seble / sphaerocysts Spores dark,
 ellipsoid 11.5-9.5 x 6.5-7.5. cap. Seble capitate
Cp miser X Sord. fimetaria ✓

Psilocybe blunt brown Seble at neck
 8-spored, trashcan Hecium below, neck naked

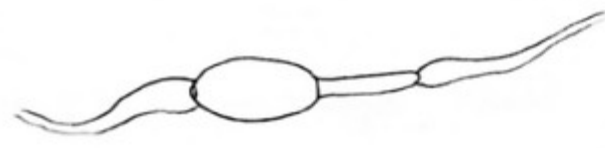
Ascobolus immissus 8-spored, spores 51-55 x 29

Saccobolus immature yellow 4 x 2

→ imbricat opening of spore. dark body 21 x 12.5
 vel. large by appress. ca 25 x 4
 no ascus apical structure. base.
 spores almost cylindrical at first (not smooth)
 thinner like Cercopora 2y app simple? at apex

18.5 Cp miser - Asc immissus ✓ Sp. minima ✓
 nasal?

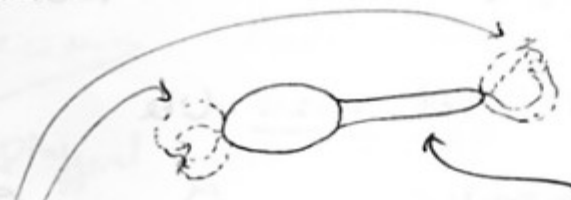
Psilocybe as 14.5 sp 29-32 x 13-14 pedicel ca 20-25



Saccobolus 4 x 2 Spore walls 46-51-54 x 17-18
 spores head truncate smooth 19-21 x 9 ✓
 yellow pores hot capitate. Chrysos

22.5 Coprinus / Capitate. / setules, red sphaerocysts, 10 faint
 cylindrical. / sp ellipsoid 11x7

Podospira / apothecium - type setae
 variable / varying to 1 / spores in / ascus.
 8-spored.



24-26 x 13-14

29-32 x 3-4

* Single - at first looked double due to curving.

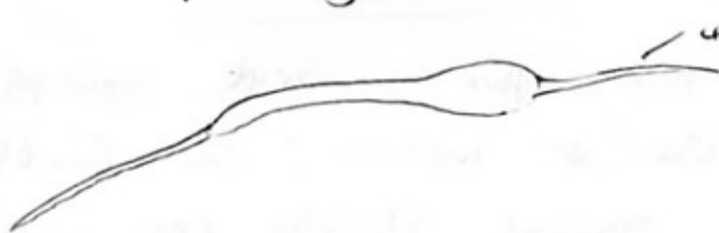
28.5 Cop. miser ✓ / Cap. red sphaerocysts/setules

Yellow Saccobolus 4x2 / 45x19 / Citrius -
 spores smooth, broad, sq. truncate 19-19.5 x 10-10.5

Cercophora sp. conical neck, with a few short,
 non-inflated, non-agglutinated setae

mature spore head 16-17.5 x 9

Asci very narrow at upper half. 11-12 diam
 no apical gleba.



immature spores ca 50
 long.

Podospira as above

3.6 Cop muser ✓

Cp. Schlossi / Sphaerocysts

Spiky edge immature pentacem? several spikes of aggregate, non-inflated hyphae < 300 long

Copius spores ellipsoid St. After g.p. veil?

9.5-10 x 6-6.5

9.6 Copius no veil, but not muser-like

Spores ellipsoid angular



9.5-10 x 8 x 6.5

Spiked pentacem still immature. Sp. minima ✓

Pod. decipiens? S-spored spores 26-29 x 16.

Spores small. weak papillae & spine
appendages etc = arropitrensis ✓

Pentacem Zygoperrella? 2 celled spore

45-48 x 12.8 - 13.5
- 11.5



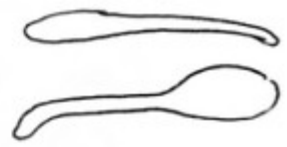
S. spored. polar perm pres. Single appendage. St.

more firm - gel like or matrix, ca 60-65 x 5

no striations to appendage. Slightly cross wrinkled near insertion.

Tricem spherical, translucent ca 550 diam, with dark veil. ca 180 x 180. No setae.

Cercopora weak dark, St. vague ridged, with
 short erect, simple setae \lt ca 25
 no apical globose or ascus
 numerous spores ca 55 long
 mature spore heads 13-14.5 x 7



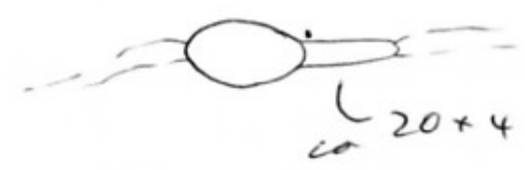
15.6 Zygosporella 45-58 x 14.5-16 translucent, spherical
 thecium dark weak, no setae sp. biserial
 Phragm cells \lt 10 no structure to Zy app.
 ca 90 long.
 Ascus ca 250 x 45-50 insignis with setae?

20.6 Zygosporella ✓ no setae on one peritheum.
 some very short setae at orifice of
 mother \lt 12 long spores 52 x 16
 -53

Podospira Spores 22-22.5 x 11-11.5
 ca 32-spored $\frac{3}{2}$ distinct black red/orange,
 no hairs setae



Podospira / Anomura? 8-spored, 25-26 x 14.5
 few short setae at neck \lt 60



ca 20 x 4

26.6

Coprinus
4 Spores

Setles on cap up to 100,
6 diam, cepitate to 11

Spores dark, ellipsoid 9.5-12 x 6.5
with sl. excentric g.p.

Cap small 2-4 mm diam
cuticle of spherical cells < 30 diam,
also some smaller, rough brown elements
- spores
cuticle ✓



Coprinus Lager - Cap < 5-10 mm. Spores
triangular - hexagonal

9-9.5 x 9-9.5 x 6.5



(as 9.6)

from smooth cap prothec. pale cream, w/ ✓
as orange as typical C. unicolor

Zygosporium ✓

no setae. Appendage simply hollow

Sp 55 x 14.5

Pentameria

ca 900 high x 600 diam

Line dark neck 340 x 90 diam

Cerophora

appendages 30 long. Make dark cell

asci with no apical plate

16 x 9.5

head with no setae or inflated cell s/scales
- just dark orange. but fits Coprophila ✓

Setae perithecia - immature Podospora ?

3.7 Zygospemella ✓ no setae (3 perithec.)

Podospores

Spores 22-23 x 14.5
-24

Commons ✓ ke + ve

11.7 1. Commons ✓

Zygospemella ✓

Spores 48-51.5 x 14-14.5

asus no apical ring.

No setae (3 perithec.)

24 apodages soon smelting + not very
visible, apart from proximal 5 μ m, which
retains canal structure. ca 125 overall length

Podospores S-sp 4 secondary apodages each
at Spore apex + tip of ly.

Sp. body 29-32 v 17-19 ly app ca 24

Commons ✓

Podospores 32-spored? perithecium with both

P. dec-type threads + inflated cells forming

st. rigidity. Spores 21-22.5 x 11-11.5

Spore primordium dumbbell-shaped



— difficult to make
out ly / 24 apps.

Sporangiella 8 celled ^{spore} cells about evenly distributed in rows. 115-120 x 16
germ slits around cell



cf Platymera? heredia

16.7 l. carneae ✓ Pod communis ✓

237 P. ~~carneae~~ immersed trichent body, dark long red. No setae ca 600 diam, wide ca 400 overall height ca 1200 no setae Zygosporella ✓ Pod communis ✓

Sporangiella 9-10 celled (see above) v. castrated at apex conical apical cells layer than broad others broader than long 128 x 16

one 9-celled spore with large 4th cell 18 long x 22 diam whole spore 116 long 8-celled spore 3 rows largest.

11 celled spore 138 long.

12 celled spore 147 long Ok for heredia

307 Sp heredia ✓ 10 celled 125-132 long thin with trichent base ca 40 diam, dark red ca 200 high x 140
8 celled 99
9 celled 115

P. communis ✓ also noted redced physalid Podospore ca 20 x 9-10

Z. insignis no setae

~~Pentacum~~ very setae (if excubica)



29-32 x 16-17

8 sp. but size + number
= irregular?

Asci clavate, no special structure

Setae of aggregated, non-inflated hyphae < 260 long.

7.8 Pod communis ✓

Sp. Lenzia

9 celled	10-celled	11-celled
112 x 16.5	125 x 16	138 x 16
109 x 20 (large 4th cell)	119 x 16	131 x 16
115	125	
	122	
	116	
	119	12-celled
	125	135

Dated 7.8