Myxomycètes nivicoles

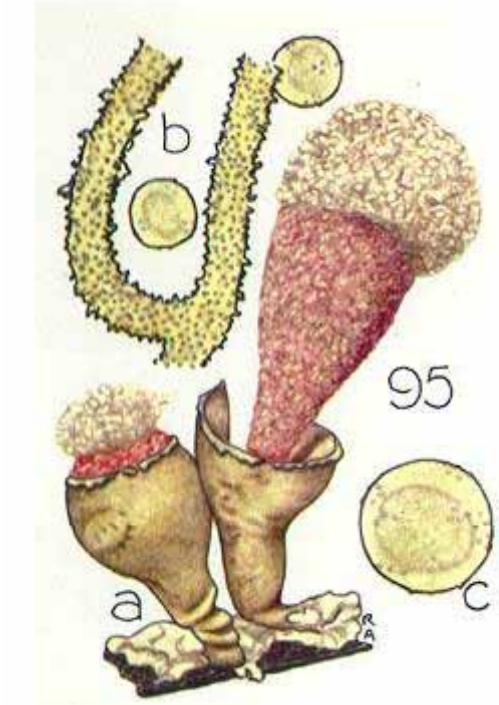
par Marianne Meyer marianne.meyer2@wanadoo.fr

Les espèces nivales ou nivicoles se développent sous la neige qui a recouvert la végétation pendant 3 mois au moins .

Dans les prairies, en forêt, en particulier aux endroits éclairés, sous les feuillus où le soleil pénètre

Il faut les rechercher de mars à juillet en suivant le recul de la neige.

Arcyria versicolor Phill.



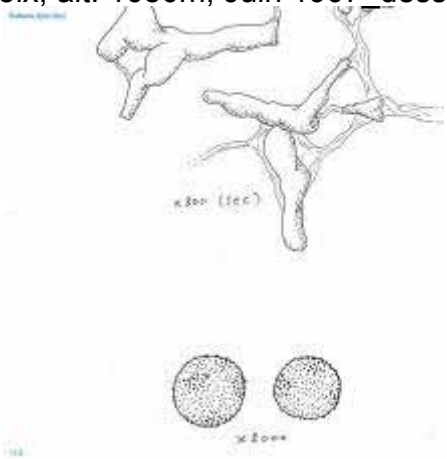
95 *Arcyria versicolor* Phill.
a Two sporangia, at left, capilli
emergence, at right, compl
but still compressed below, ×
b Detail of capillitium, and spo
c Spore, × 1000

Reprinted from *The Myxomycetes* published by the University of Iowa Press in 1969.

A. Michaud 1174, LA BATHIE, Bellachat alt.1700m le 27-05-2004 Photo A.Michaud

Badhamia alpina G.Lister.

Herb. Meyl. Ste Croix, alt. 1050m, Juin 1907_dessin MP



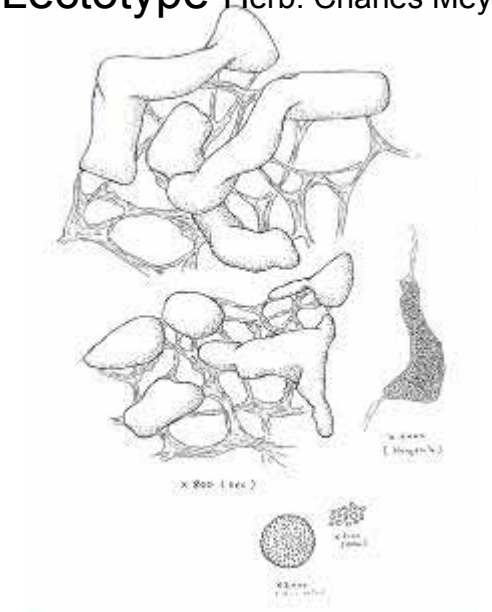
MM 22243, Suisse, Barrage d'Emosson alt. 1950, le 2-07-2002 Photo A. Michaud

MM16717, Italie, Lac Verney, alt. 2100m 12-07-1996 Photo M. Poulain

Badhamia panicea var.*nivalis* Meyl.

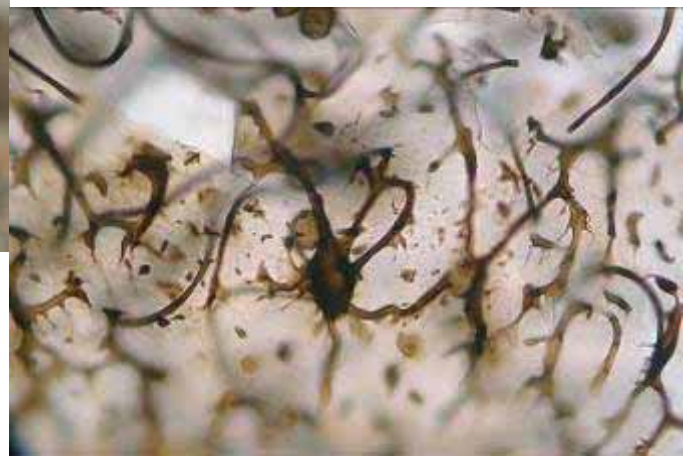
Alpes de Fulhy,Valais,alt.2100m

Lectotype Herb. Charles Meylan



MM 23767 , ORCIERES Limite Parc des Ecrins, alt. 1700m le 06-05-2004
Photo A.Michaud

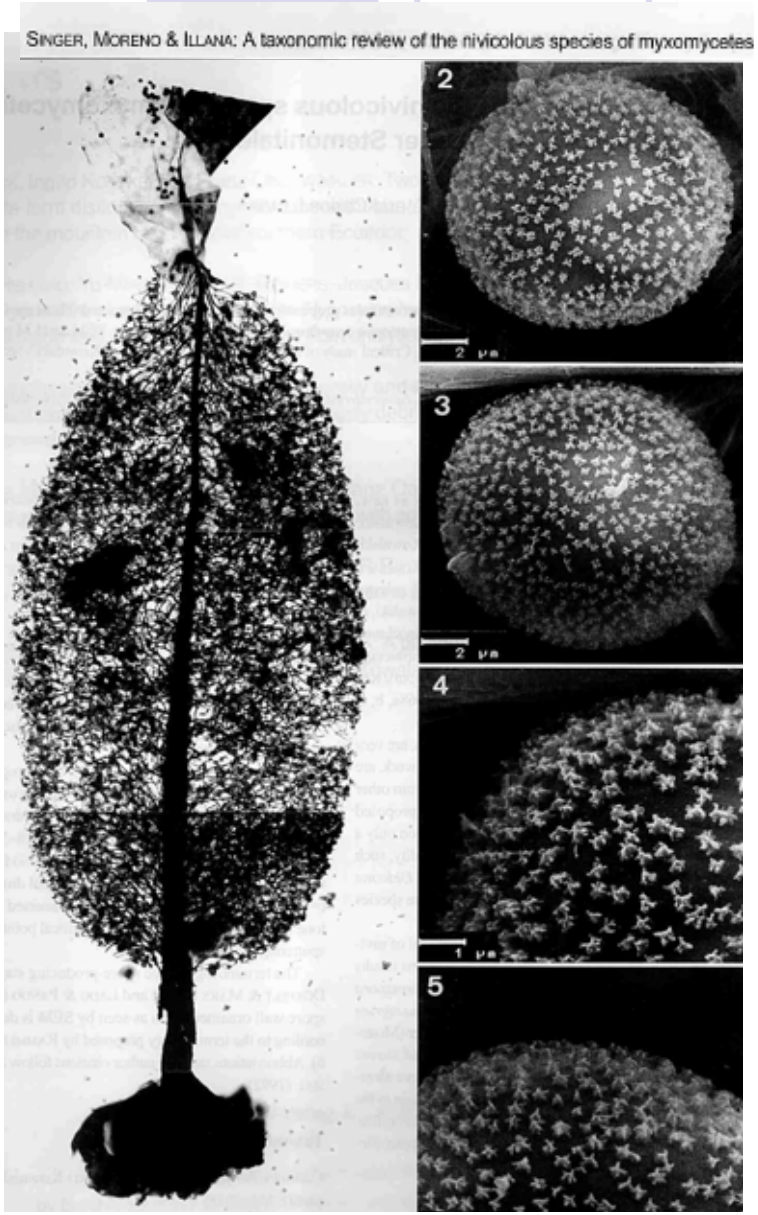
Comatricha anastomosans Kowalski

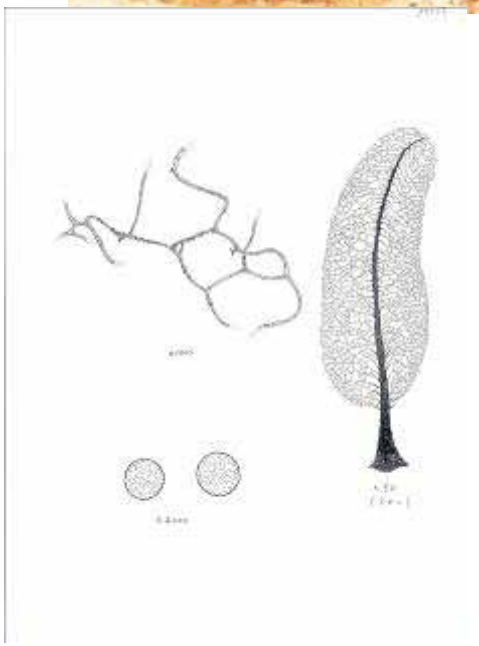


MM 5942- Autriche, Feuerkogel, alt. 1600m

25-5-1989, leg Now 2374 Photos A. Michaud

Comatricha fusiformis Kowalski





MM **19552** Esserts-Blay (73) alt. 1800m 23-05-1998, branches décortiquées de Picea

Photo et dessin M. Poulain

Comatricha nigricapillitia

(Nann.-Bremek. & Bozonnet) A, Castillo, G, Moreno & Illana

A.Michaud 1078

Col de la Colombière,

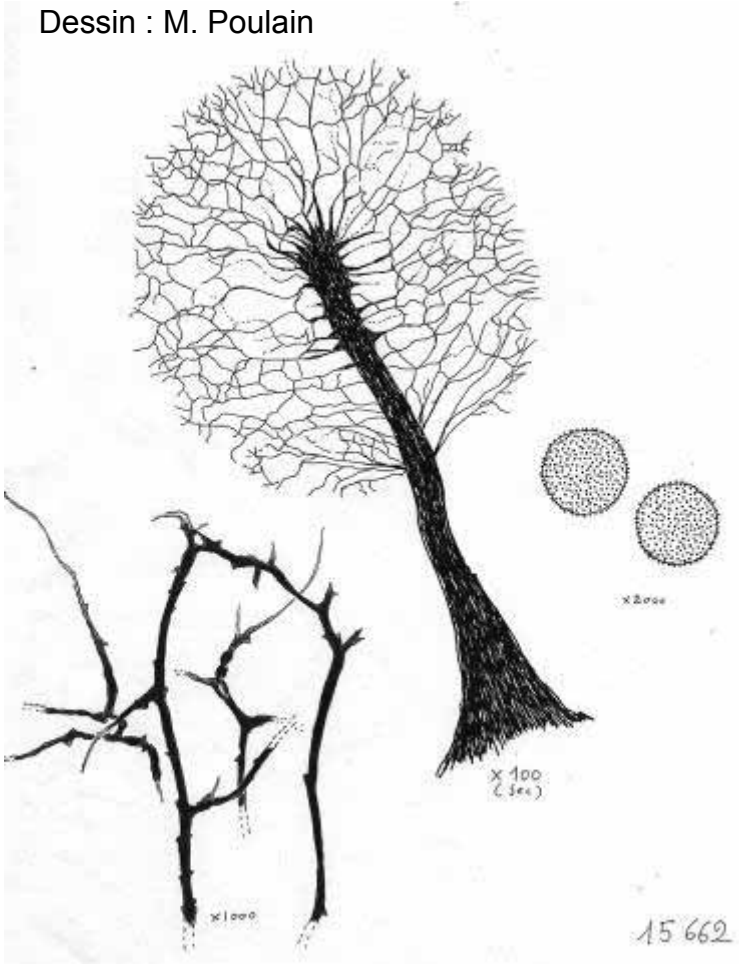
côté Grand-Bornand

alt.1523m, le 23- 05- 2004

Photos A. Michaud

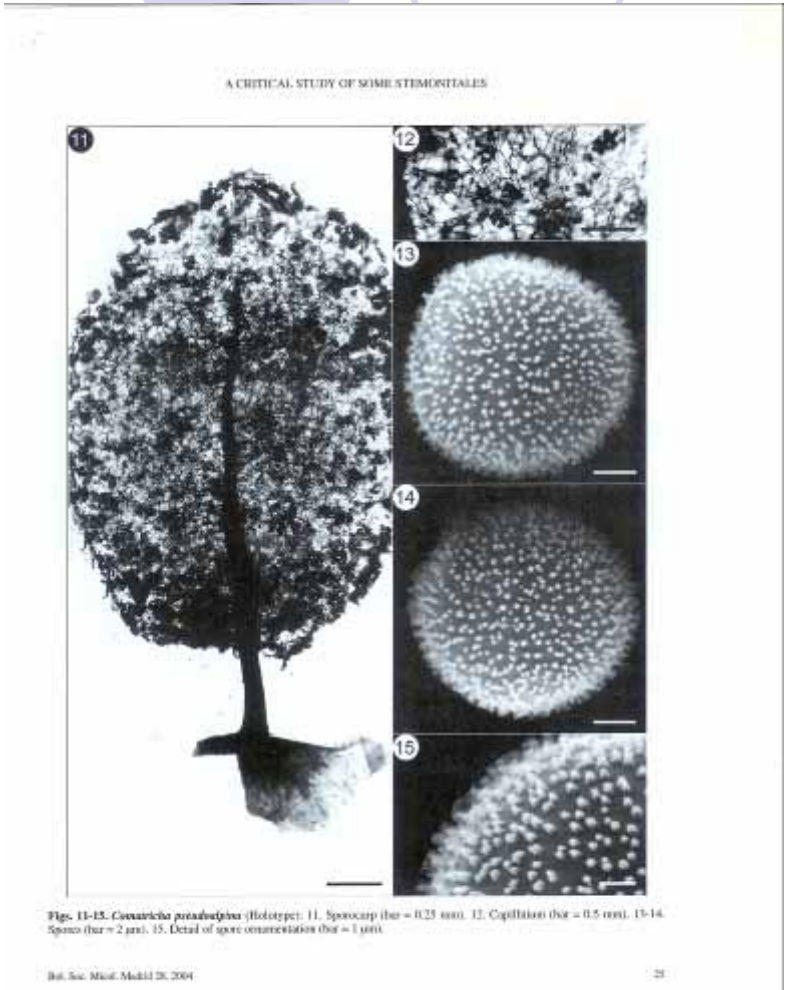
MM 15662, Les Arcs (73), alt. .2000m, le 29-6-1995
sur bois mort dur, décortiqué de Pinus.

Dessin : M. Poulain



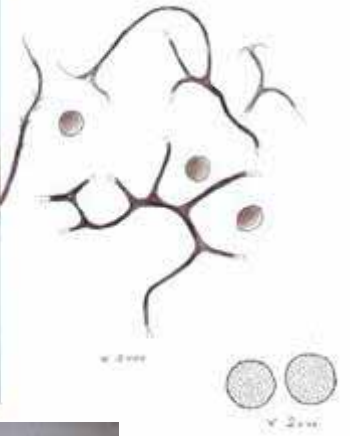
Comatricha pseudoalpina C. Moreno, H. Singer, A. Sánchez & Illana

= *L. atrosporum* forme *subcylindricum* Meyl.


A CRITICAL STUDY OF SOME STEMONITALES

Figs. 11-15. *Comatricha pseudoalpina* (Holotype): 11. Sporocarp (bar = 0.25 mm). 12. Capillitium (bar = 0.5 mm). 13-14. Spores (bar = 2 µm). 15. Detail of spore ornamentation (bar = 1 µm).

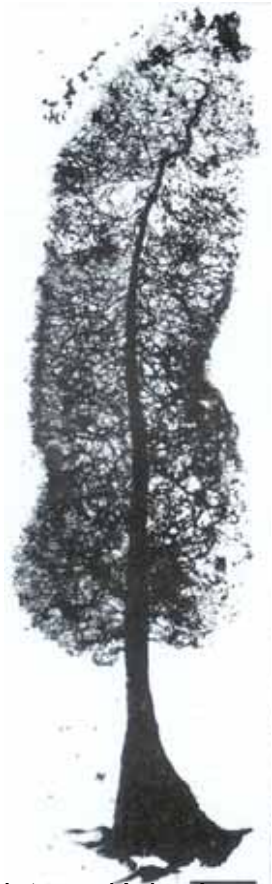
Bol. Soc. Micol. Madrid 28, 2004 25



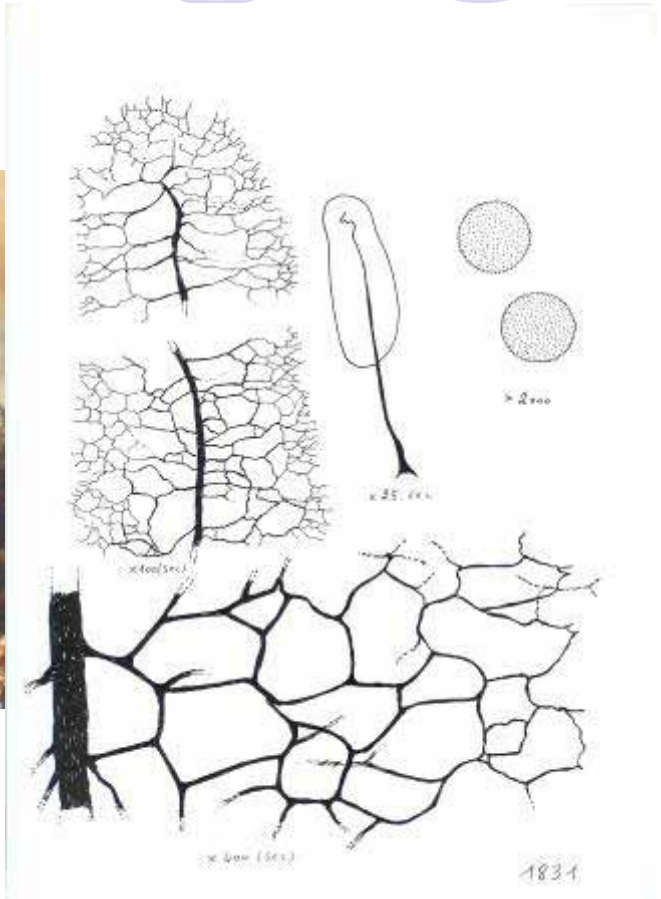
Comatricha pseudoalpina spec. nov. (Figs. 11-16)
= *Comatricha alpina* Kowalski *sensu* Illana, G.Moreno & A. Castillo, *Cryptogamie Mycol.* 14(4):241-243. 1993 *non* Kowalski

Comatricha sinuatocolumellata

G. Moreno, H. Singer, A. Sánchez & Illana = *C.alpina* sensu Kowalski

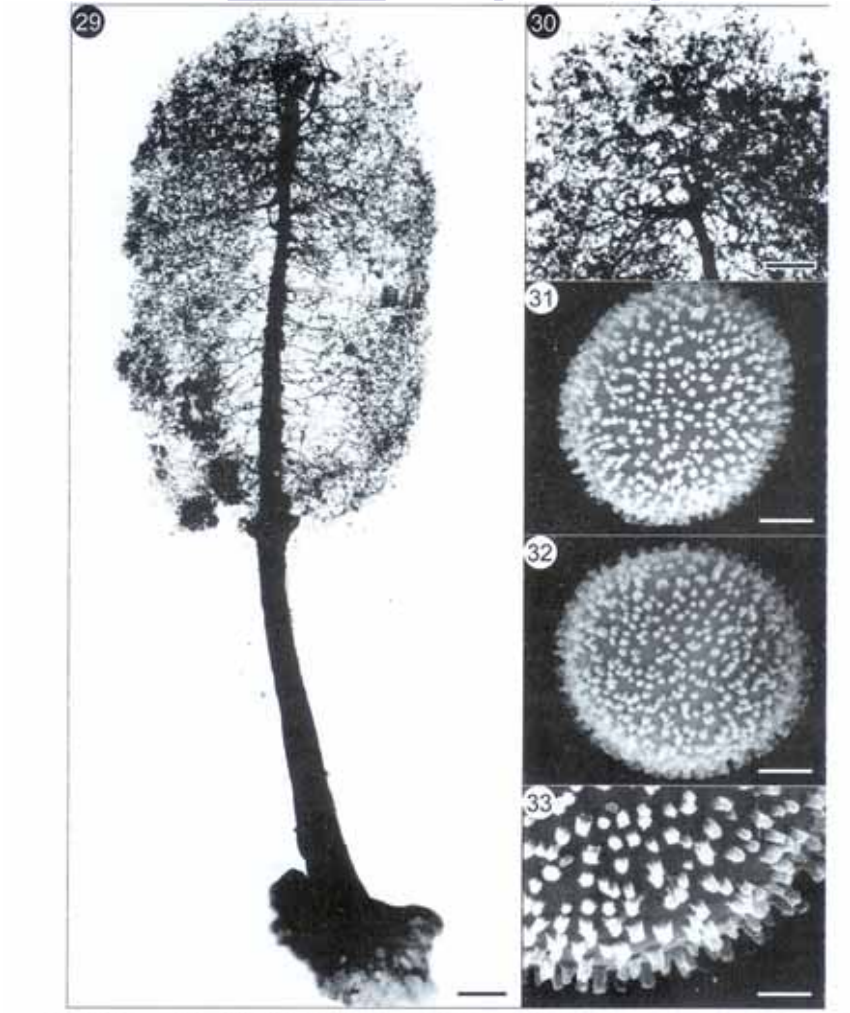


Holotype désigné par
Moreno, Singer,Sanchez & Illana



MM 1831 leg R.L.Critchfield 1357 Tehama Co, Morgan Summit, alt 5750' on dead coniferous log le 27-04-1985
Photo et dessin : M.Poulain

Comatricha suksdorfii Ellis & Ev.



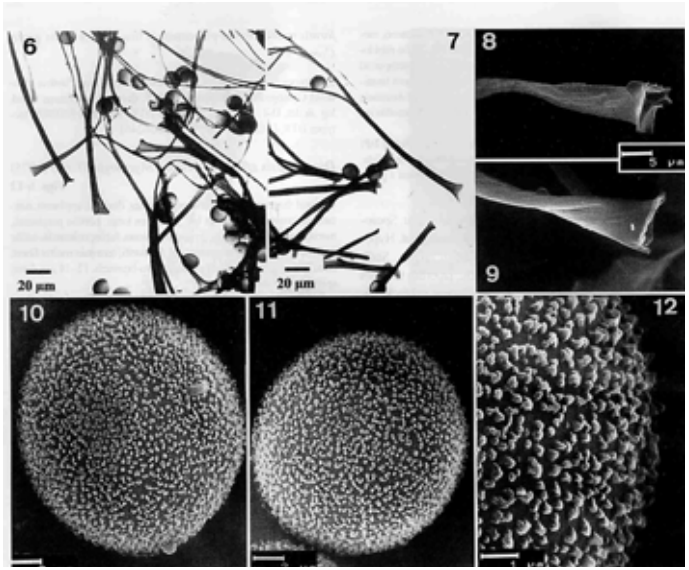
Figs. 29-33. ***Comatricha suksdorfii*** (29-30, 32. Holotype. 31, 33. DED 5753 in SFSU). 29. Sporocarp (bar = 0.25 mm). 30. Detail of sporocarp (bar = 0.25 mm). 31-32. Spores (bar = 2 µm). 33. Detail of spore ornamentation (bar = 1 µm).

MM 1122 leg R.L.Critchfield 1566, le 17-6-1985

Oregon, Clakamas Co. Mt. Hood volcano. Near Timberline Lodge, alt. 6000'

Photo M. Poulain

Diacheopsis effusa Kowalski



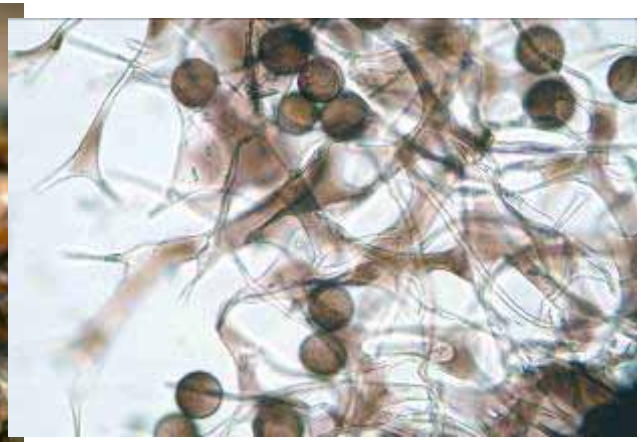
Holotype étudié par

Singer,Moreno & Illana

MM 8588 *Diacheopsis* cf *effusa*_ leg Novozhilov

Russie, Péninsule de Kola, alt. 320m le 26-7-1994 -Photo M.Poulain

Diacheopsis kowalskii Mar.Meyer & Poulain



AM 238, LES ARCS 2000 le 23-5-2001 sur Rhododendrum

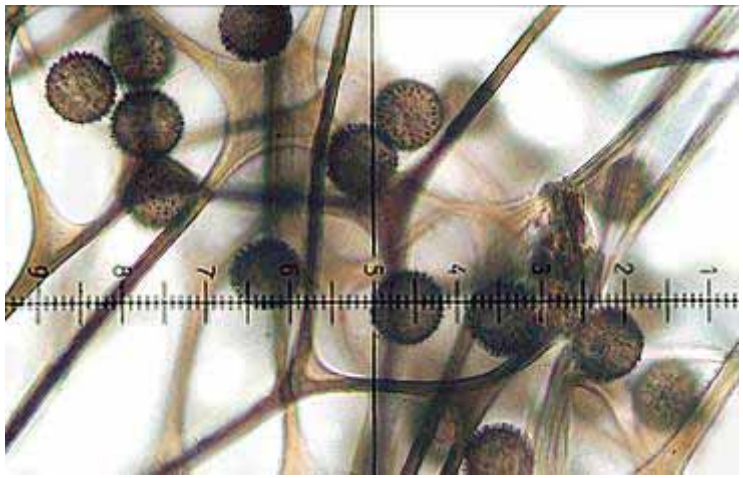
Photos A. Michaud

Diacheopsis metallica Meyl.

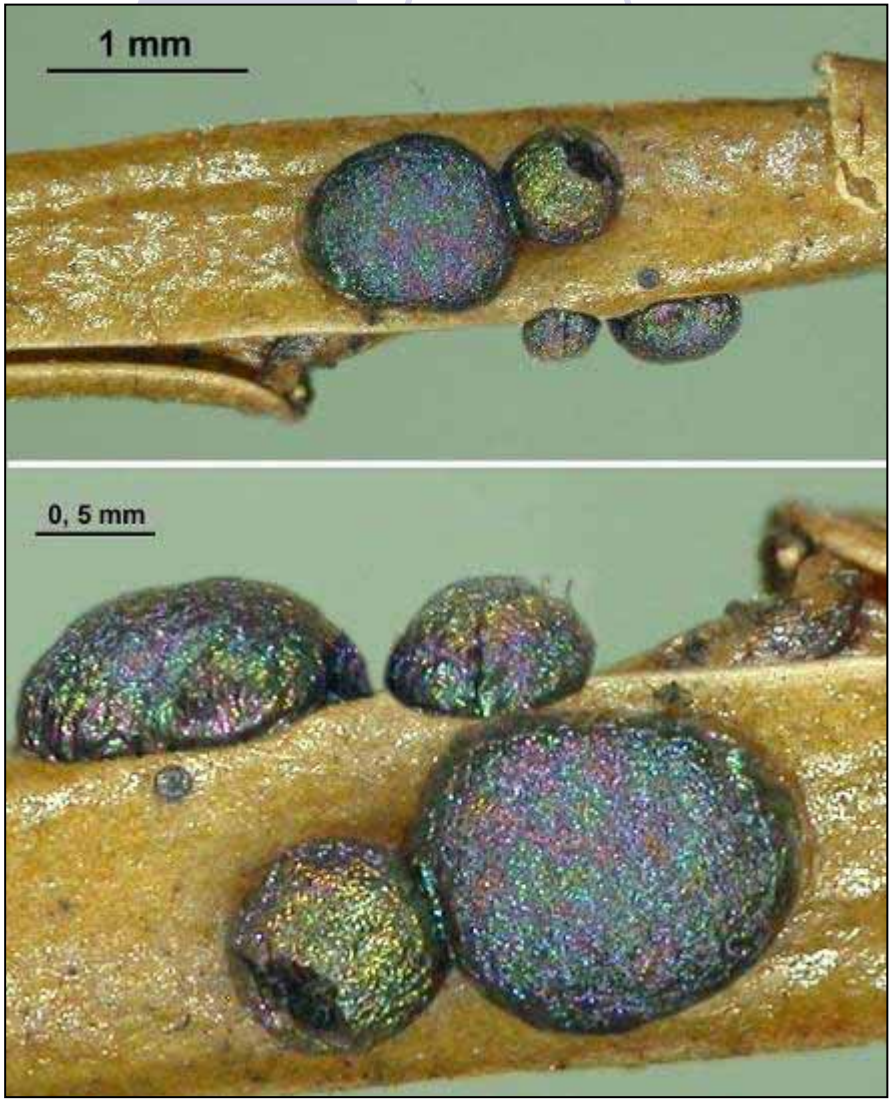
AM 811, ENGINS Clapiers / Sornin pré de la "Pierre Virari" alt. 1480m

Photos A. Michaud

MM 36135 Esserts-Blay (73) alt. 1500m le 12-5-2006 sur Vaccinium myrtillus Photo JL. Cheype



Diacheopsis pauxilla Mar.Meyer & Poulain



MM 17460 La Bathie (73) alt. le 26-5-1997 alt. 1800m
sur Vaccinium myrtillus Photo JL. Cheype

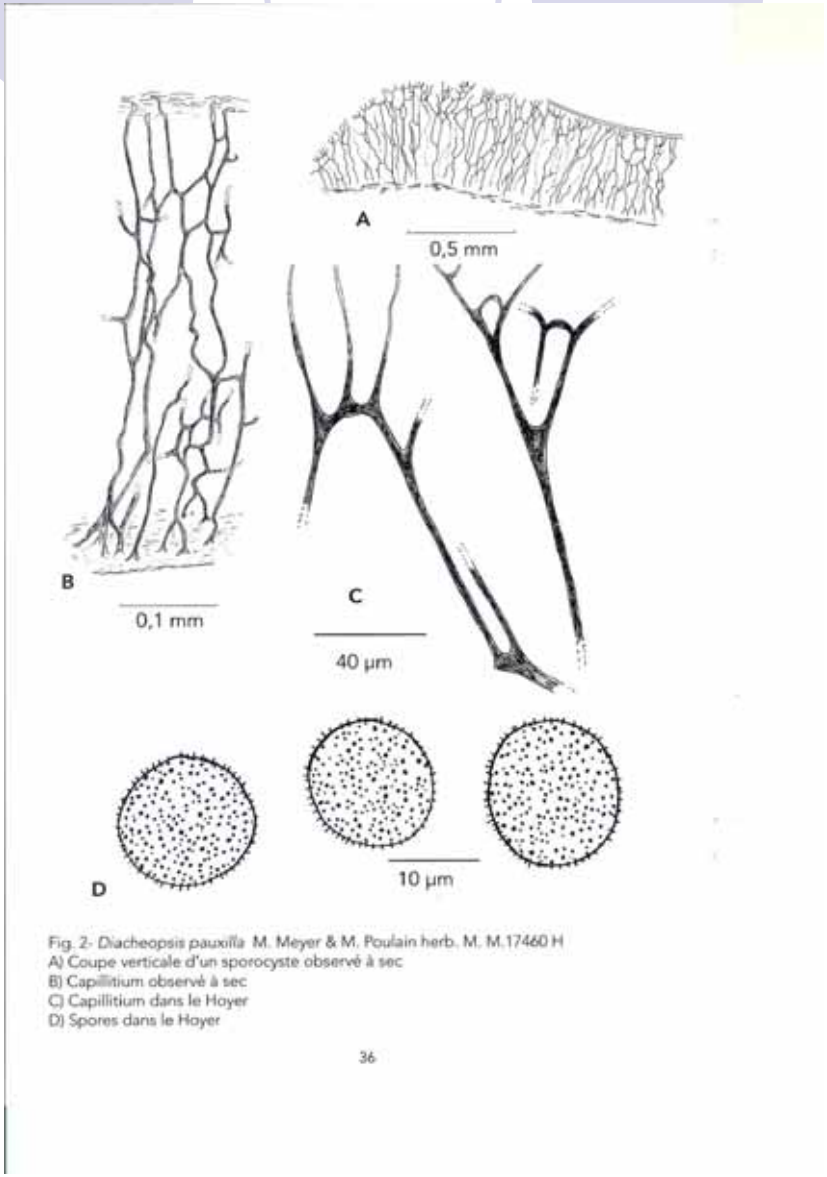


Fig. 2- *Diacheopsis pauxilla* M. Meyer & M. Poulain herb. M. M.17460 H
A) Coupe verticale d'un sporocyste observé à sec
B) Capillitium observé à sec
C) Capillitium dans le Hoyer
D) Spores dans le Hoyer

Diacheopsis reticulospora Mar.Mey. & Poulain

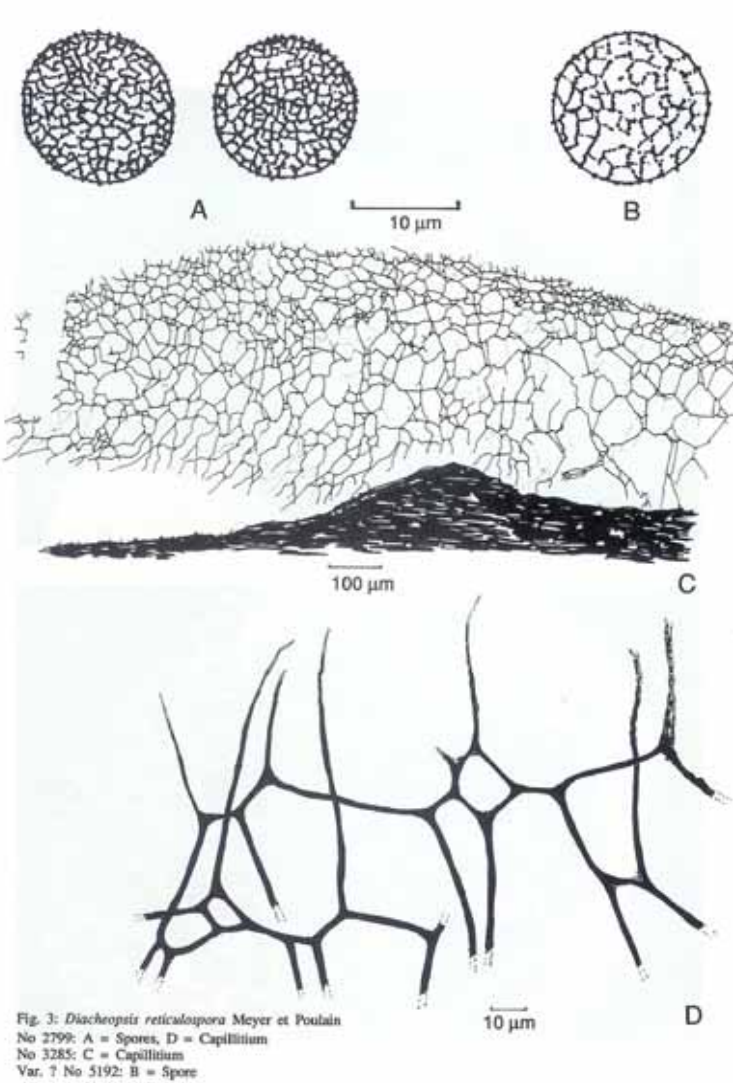
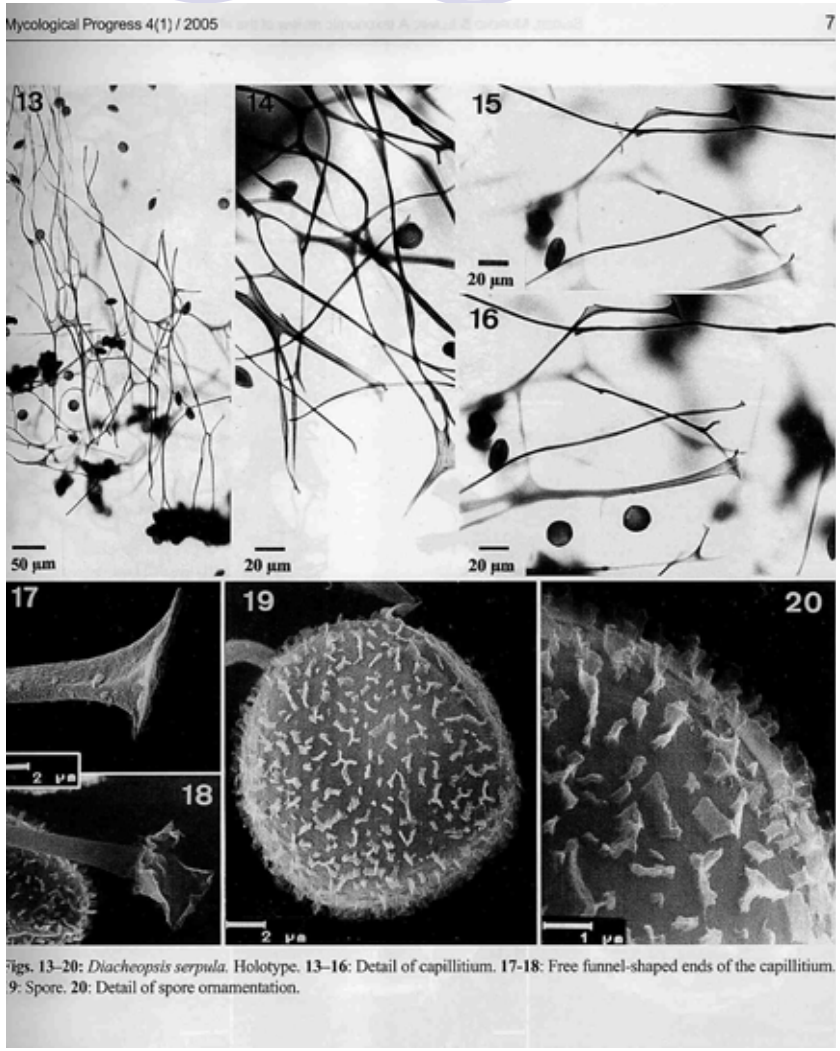


Fig. 3: *Diacheopsis reticulospora* Meyer et Poulain
No 2799: A = Spores, D = Capillitium
No 3285: C = Capillitium
Var. ? No 5192: B = Spore

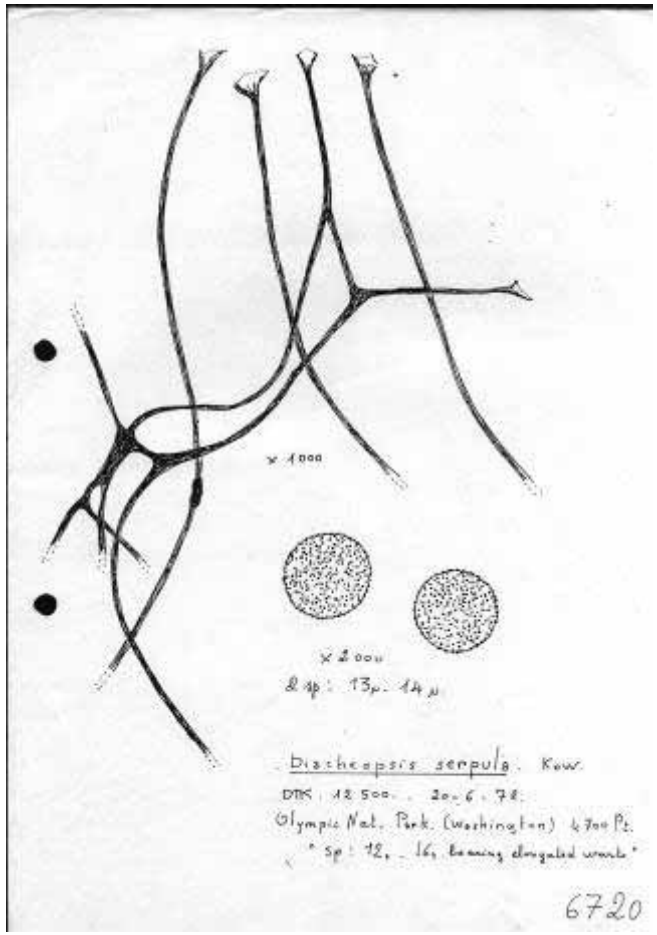
Diacheopsis reticulospora Meyer et Poulain en haut: 2799 en bag 3285 – Photos Poulain.

Diacheopsis serpula Kowalski

Forme sessile et sans columelle de L. atrosporum = L. carestiae?

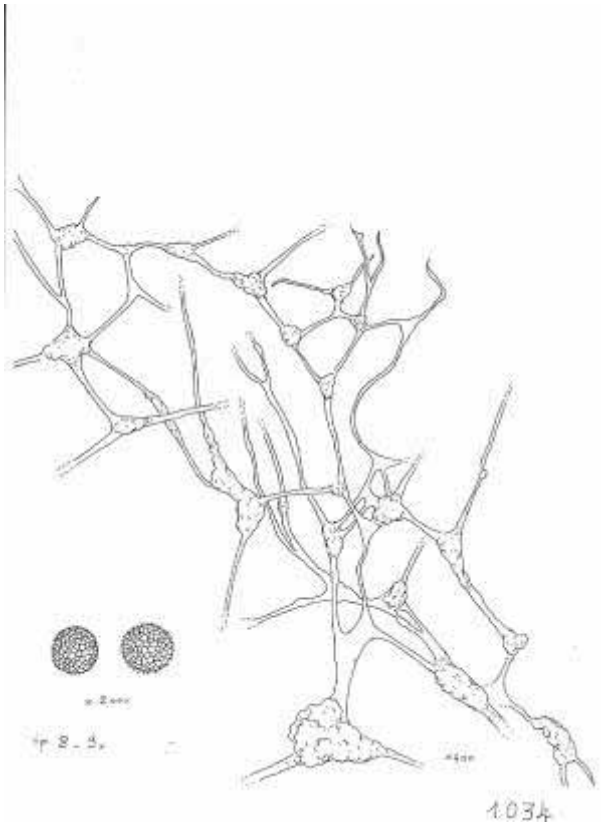


Figs. 13–20: *Diacheopsis serpula*. Holotype. **13–16**: Detail of capillitium. **17-18**: Free funnel-shaped ends of the capillitium. **19**: Spore. **20**: Detail of spore ornamentation.



Dianema aggregatum Kowalski

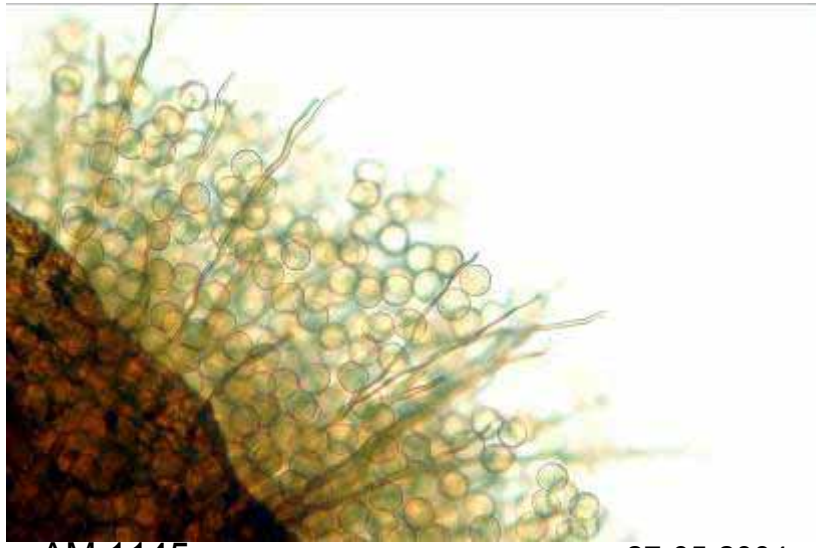
Photo : ?



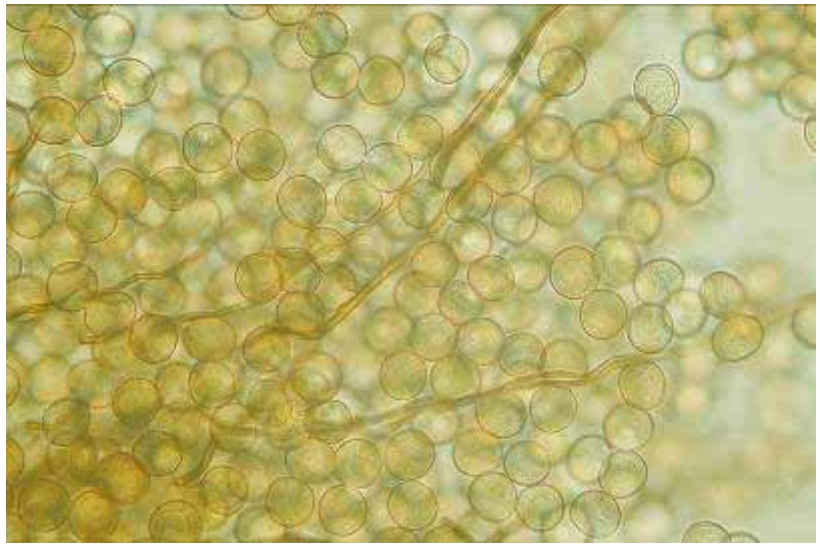
MM 1034_Mt Rose Californie alt 8000' le 4-5-1985, leg RLCritchfield 1444_photo et dessin M. Poulain

Dianema inconspicuum Poulain, Mar.Meyer & Bozonnet

AM 895, LA BATHIE Bellachat alt. 1750m le 10-5-2003
photos A. Michaud



AM 1145 LA BATHIE, Bellachat alt. 1750m, le27-05-2004



Dianema nivale (Meyl.) G. Lister

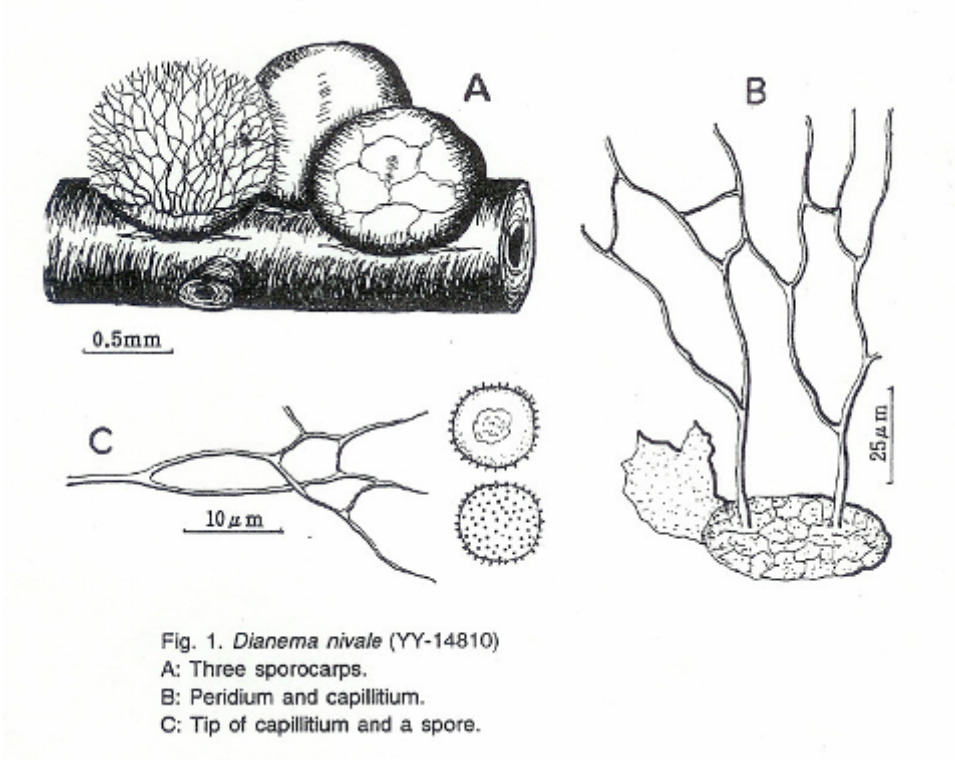


Fig. 1. *Dianema nivale* (YY-14810)
A: Three sporocarps.
B: Peridium and capillitium.
C: Tip of capillitium and a spore.

Dianema nivale, new to Japan

Bull. Jap. Soc. Myx. 14 : 28-29

MM 6685 Grand Colombier, e 1-14-1991 alt. 1250 m

leg J. Bozonnet Photo M. Poulain

Dianema subretisporum Kowalski

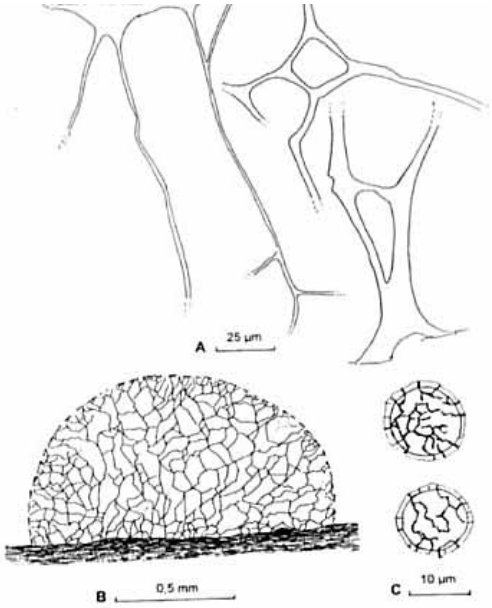


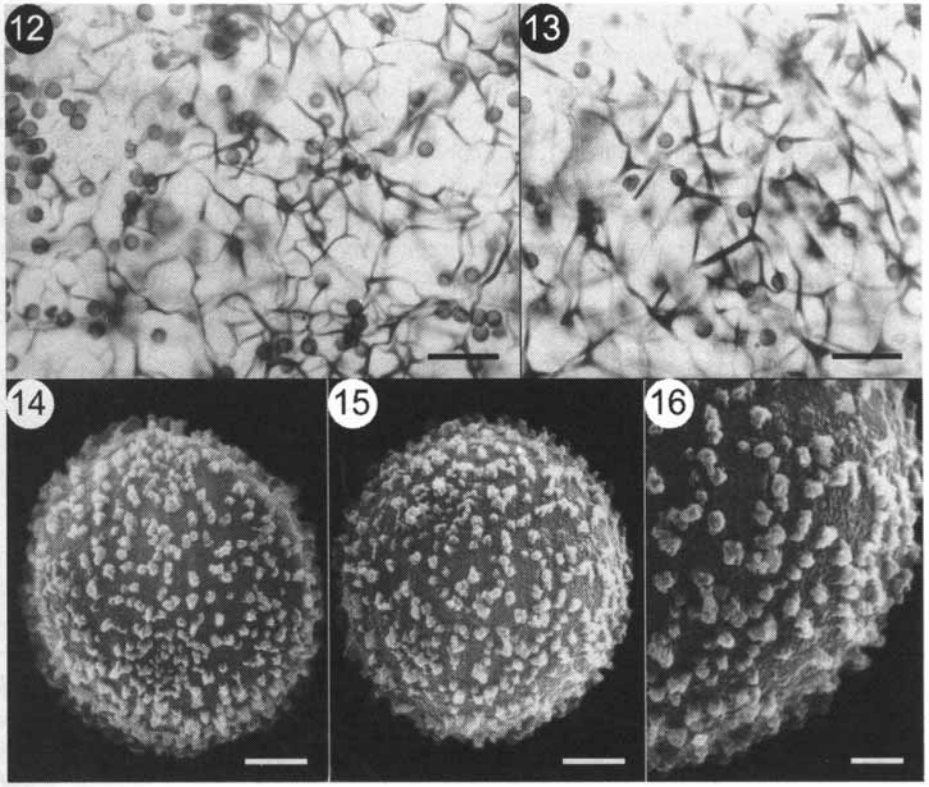
Fig. 14: *Dianema subretisporum* KOWALSKI. JB M05101. A: capilliti-um (milieu de Hoyer). B: coupe du sporocyste (à sec). C: spores (milieu de Hoyer).

MM 1222, leg J. Bozonnet, le 10-5-1986, Grand Colombier (Ain) alt. 1500m
Photo et dessin M.Poulain

Diderma alpinum Meyl.

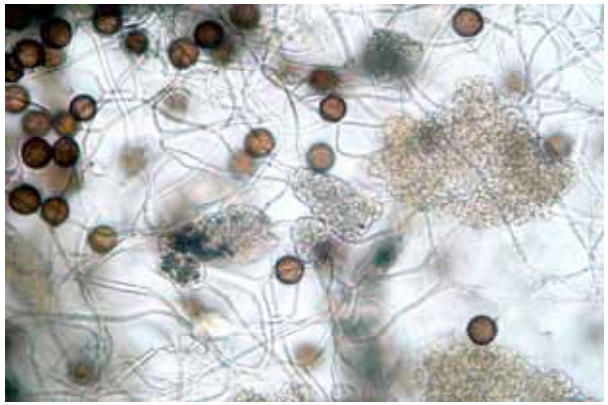
AM 224, ESSERTS-BLAY (Savoie) alt.1400m,
le 02- 05- 2001 Photo A. Michaud

Diderma brooksii Kowalski

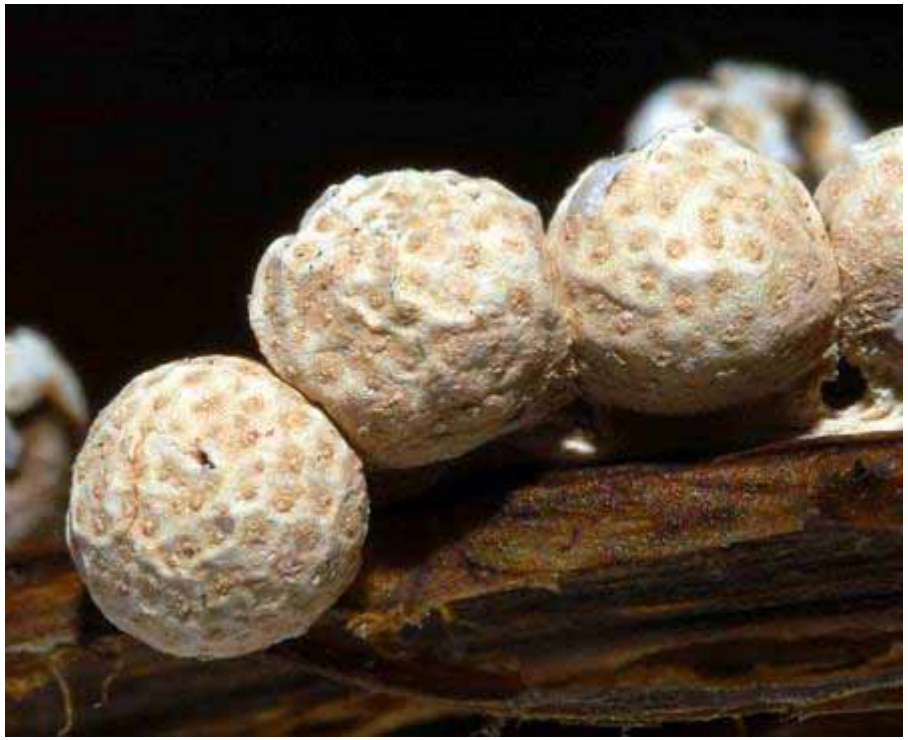


Figs. 12-16. *Diderma brooksii* (holotype). 12, 13. Capillitium (bar: 50 µm). 14, 15. Spores (bar: 2 µm). 16. Detail of the spore ornamentation (bar: 1 µm).

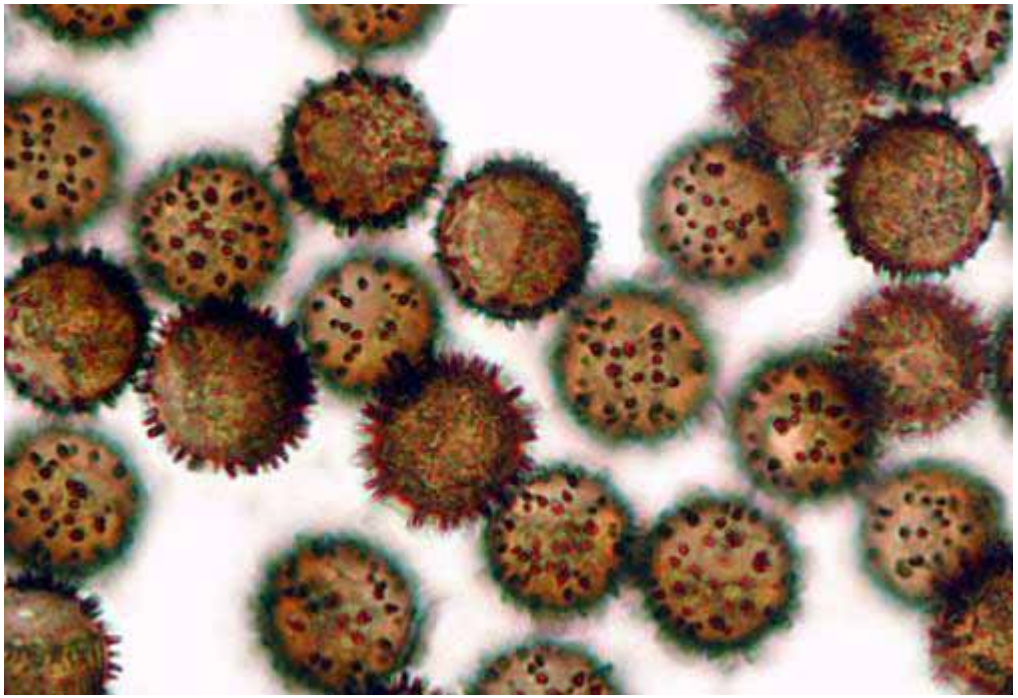
AM 777, ENGINS Clapiers, Jargne secteur "combe" alt. 1380 m 26-03-2003, sous Fagus Photo A. Michaud



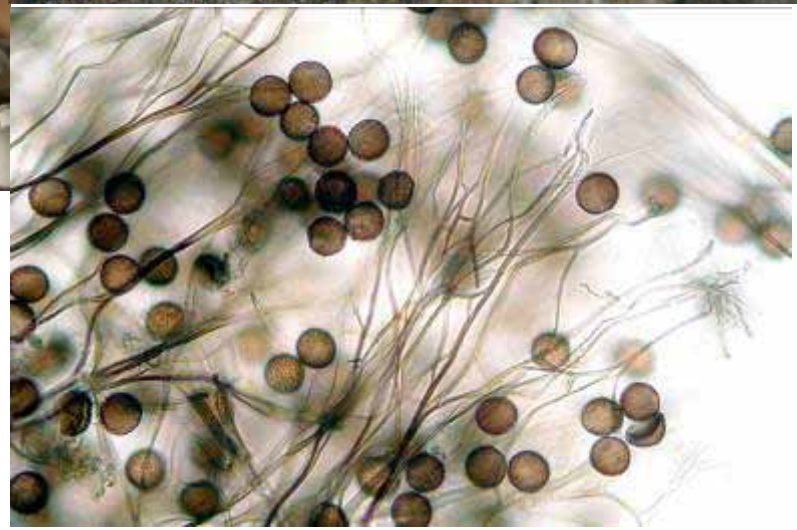
Diderma fallax (Rostaf.) Lado = *D. lyallii* (Massee) Macbr.



AM 285 LA SASSIERE (73) alt. 2000m, le 25-05-2001
Photos: A. Michaud



Diderma globosum var. *europaeum* Buyck



AM 980, ENGINS Clapiers, Jargne (38) alt. 1340m , le 21-03-2004, Fagus au sol

Photo A. Michaud

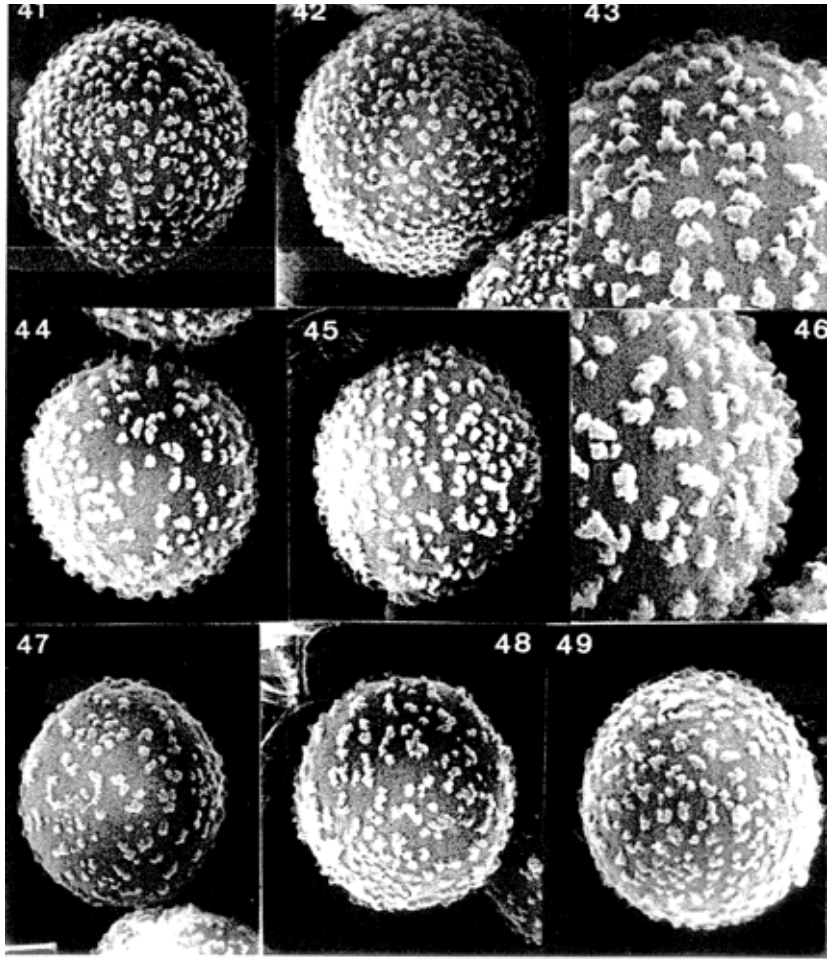
Diderma meyerae H. Singer, G. Moreno, Illana & A. Sanchez
= *D.niveum* sensu auct. pluribus

AM 1038 I - CN SAN BERNOLFO

16° Journées B di VINADIO

Photos A. Michaud

SEM-studies on nivicolous *Myxomycetes*.



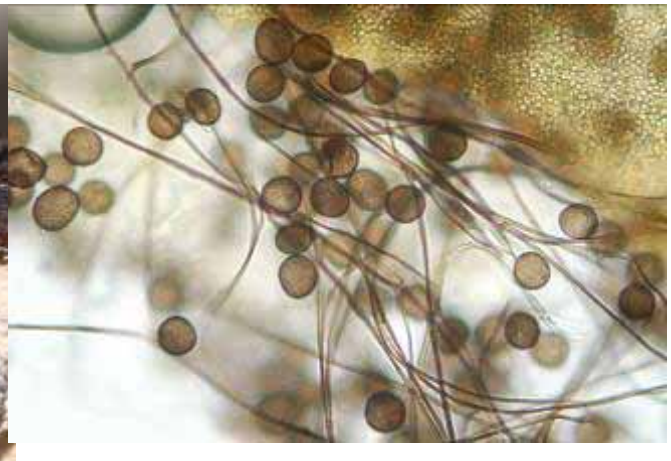
Figs 41-49. *Diderma meyerae* H. Singer, G. Moreno, Illana & A. Sánchez, sp. nov. (41-43: holotype, 44-46: AH 27361, 47: AH 27364, 48-49: AH 27274). 41-42, 44-45, 47-48. Spores and variation in spore ornamentation, bar = 2 µm. 43, 46, 49. Detail of spore ornamentation, bar = 1 µm.

Diderma microcarpum Meyl.

AM 307 LA BATHIE (73) alt. 1800m 28-05-2001

Photo A. Michaud

Diderma niveum (Rostaf.) T.Macbr. = *D.niveum* var. *ferrugineum* Meyl.



AM 257, LES ARCS 2000 (73) le 23-05-2001

Photo A. Michaud

Diderma niveum var. cristatosporum

(A.Sanchez, G.Moreno, & C. Illana) A.Sanchez, G.Moreno, & C. Illana

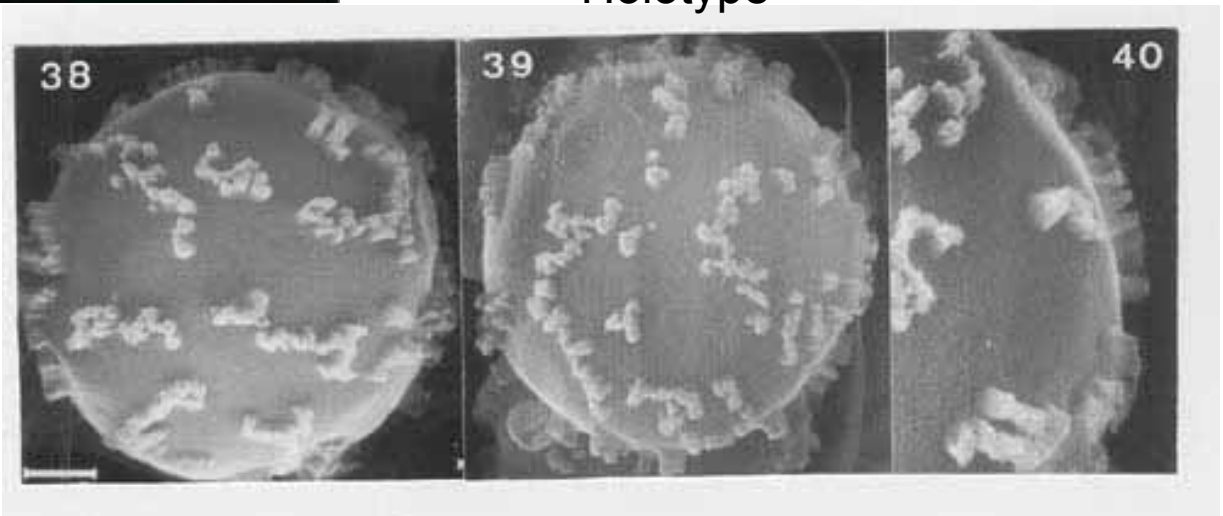
= *Diderma cristatosporum* A.Sanchez, G.Moreno, & C. Illana

MM 35000 Fontaine-le-Puits (73)
le 4-5-2005 alt. 1345m, en
compagnie de D. meyerae

Gabriel Moreno :

“Coincide perfectamente con esta especie o variedad, según la interpretemos.”

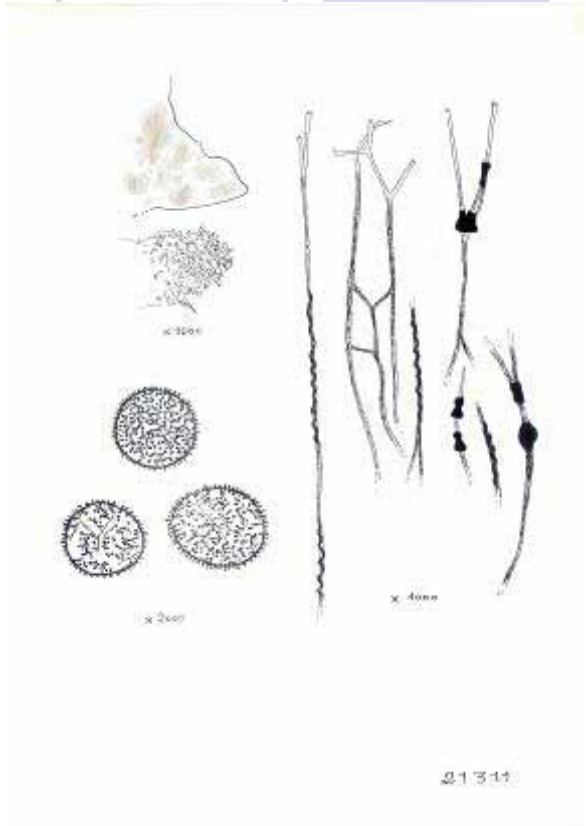
Holotype

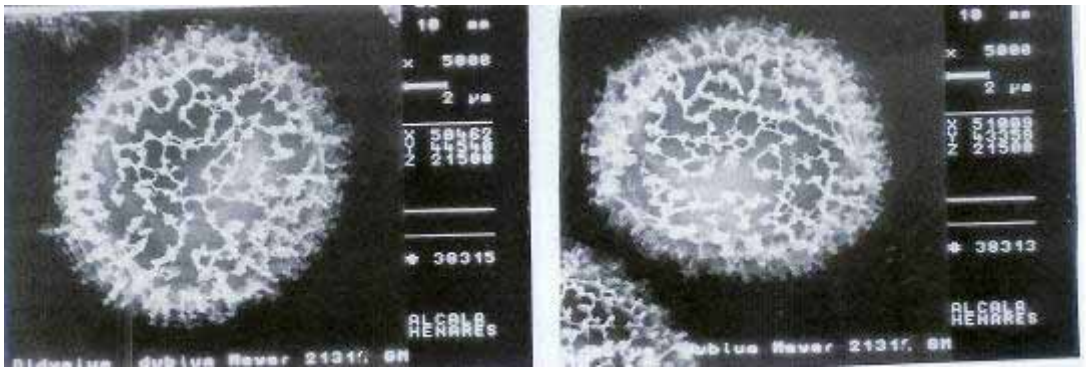


Didymium decipiens Meyl.

AM 273 VAL D'ISERE (73) alt. 2000m
le 25-05-2001 Photo A. Michaud

Didymium pseudodecipiens ad int.



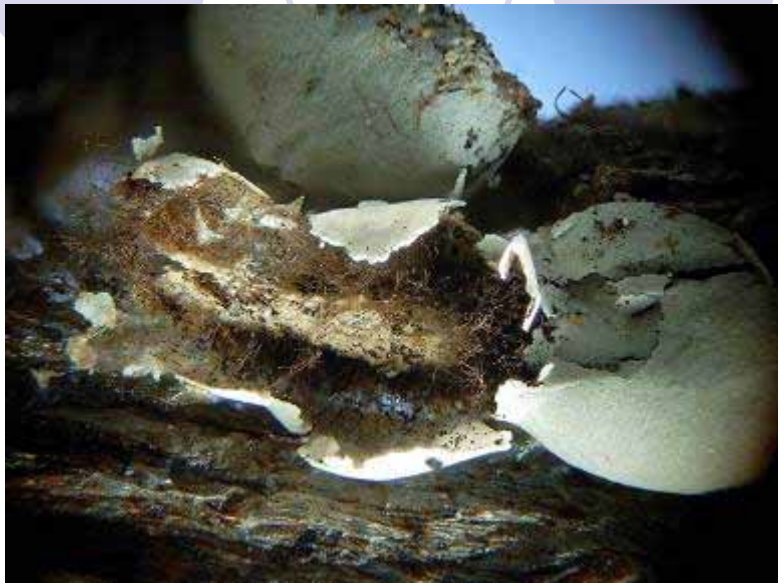


MM 21311 –Courchevel (73) alt.1550m le 21-04-2000

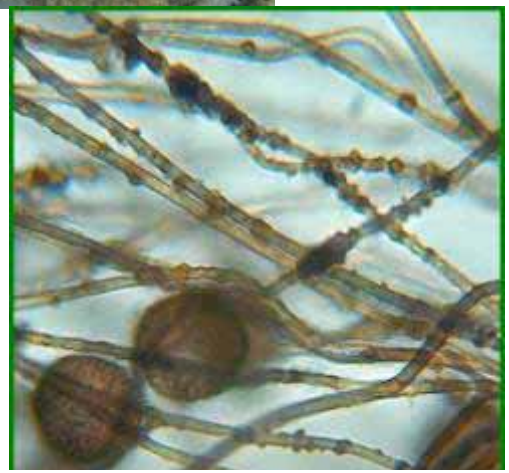
Photo et dessin M. Poulain

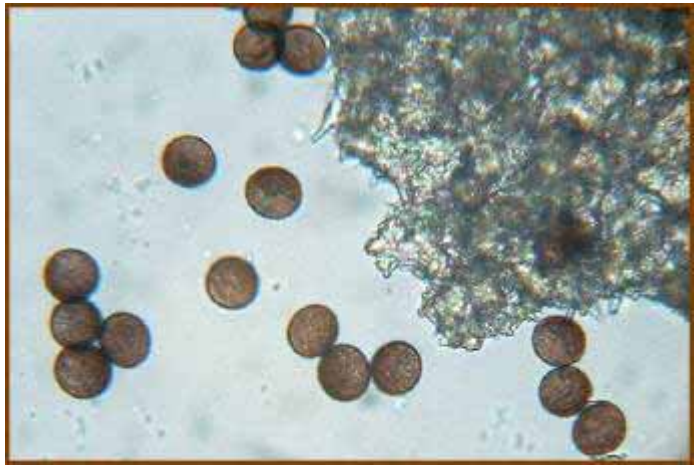
AH MEB

Didymium dubium Rostaf.

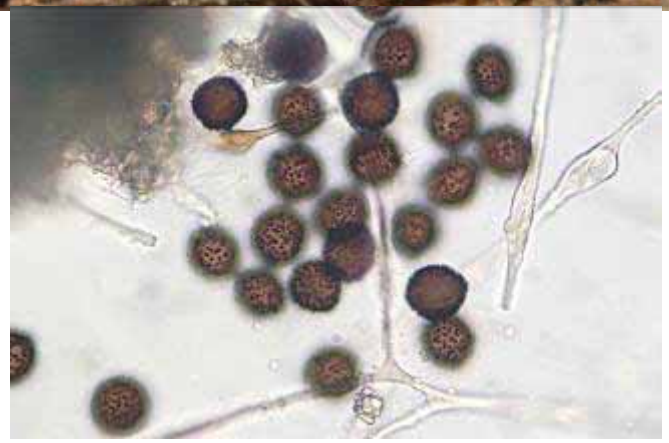


Herbier et photos R. Cainelli

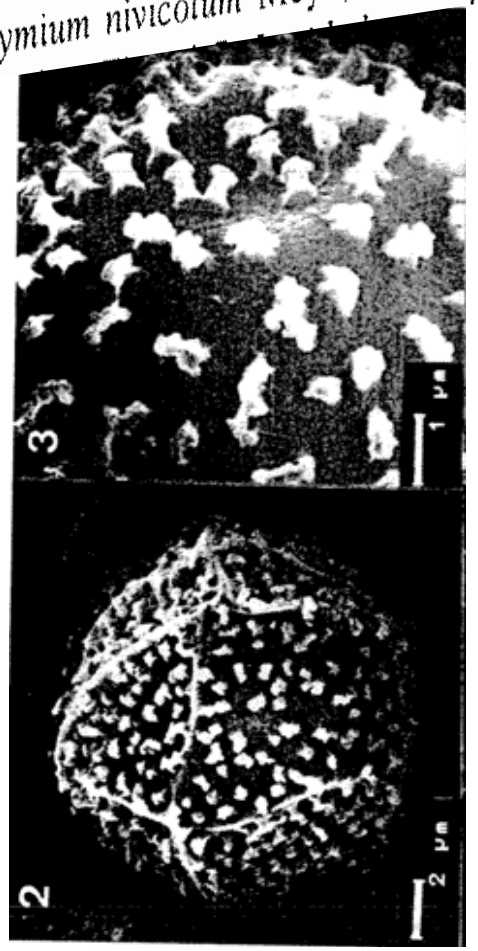




Didymium nivicolum Meyl.



Figs. 2-3: *Didymium nivicolum* Meyl., (AH 19673).



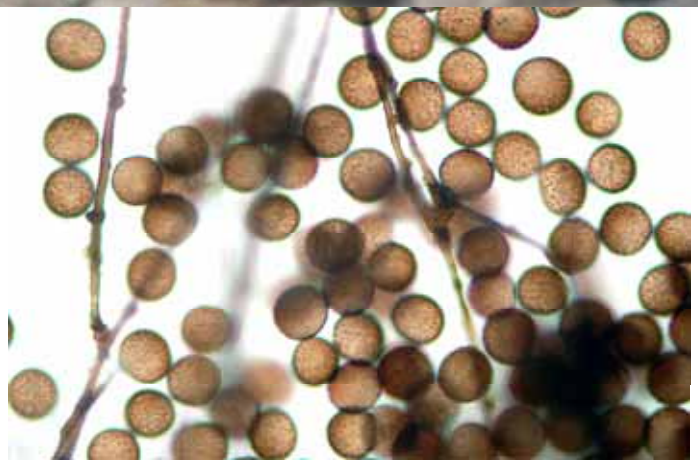
AM 355 LES ARCS (73) Lac Marloup alt. 2505m
le 26-07-2001, tiges sèches de *Cirsium spinosissimum*
Photos A. Michaud

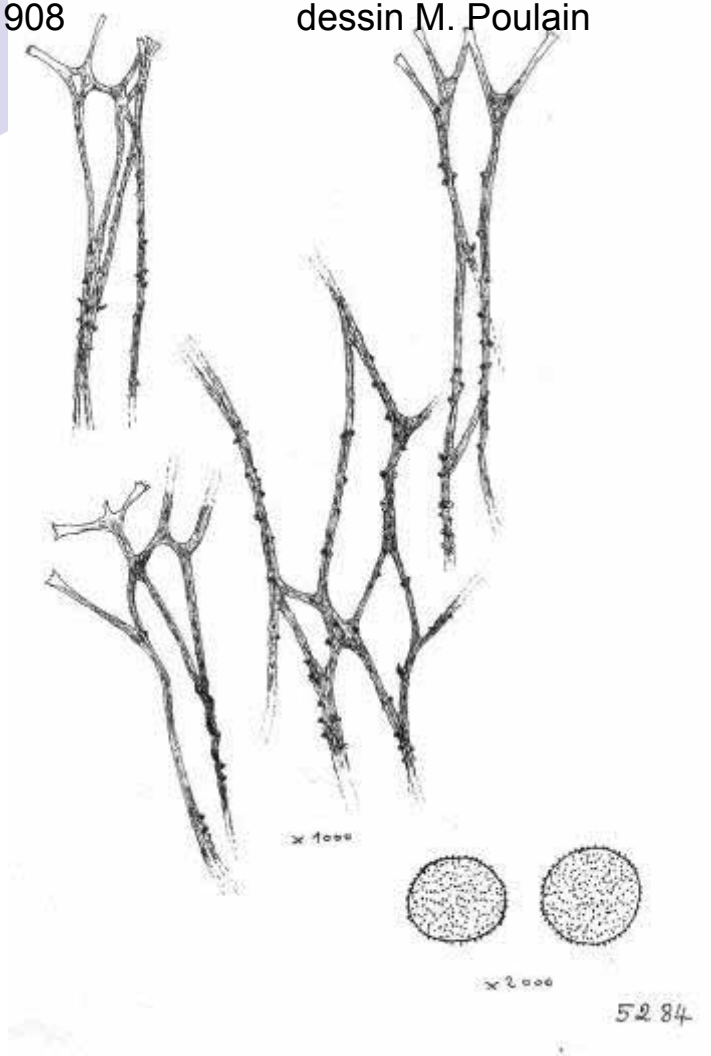
Didymium wilczeckii Meyl. = *D. dubium* Rostaf. ?

Herb. Meylan,

Suisse, La Chaux (Ste Croix) Jura Vaudois

Mai 1908 dessin M. Poulain

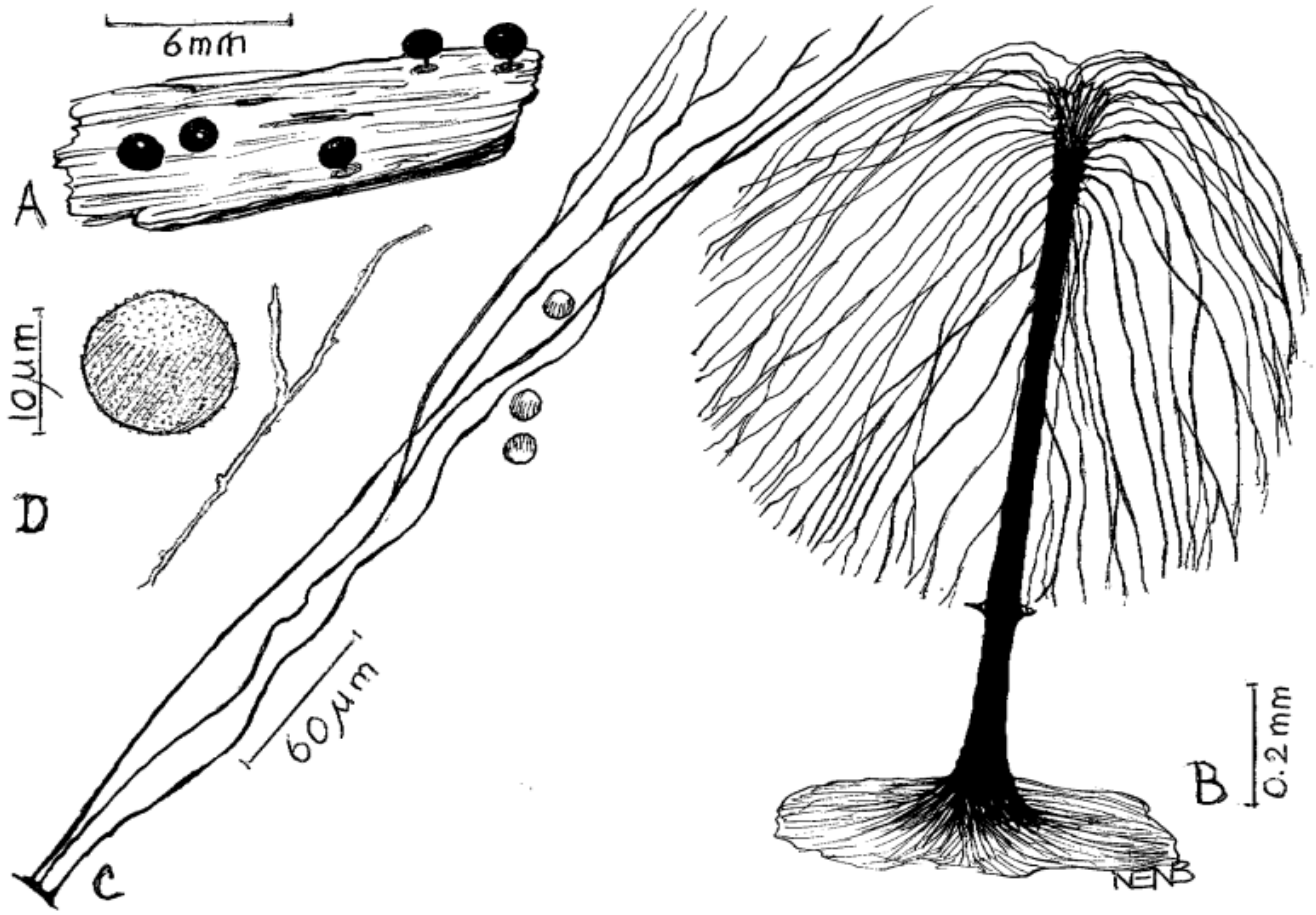




AM 1177 ENGINS (38) La Sure alt. 1600m

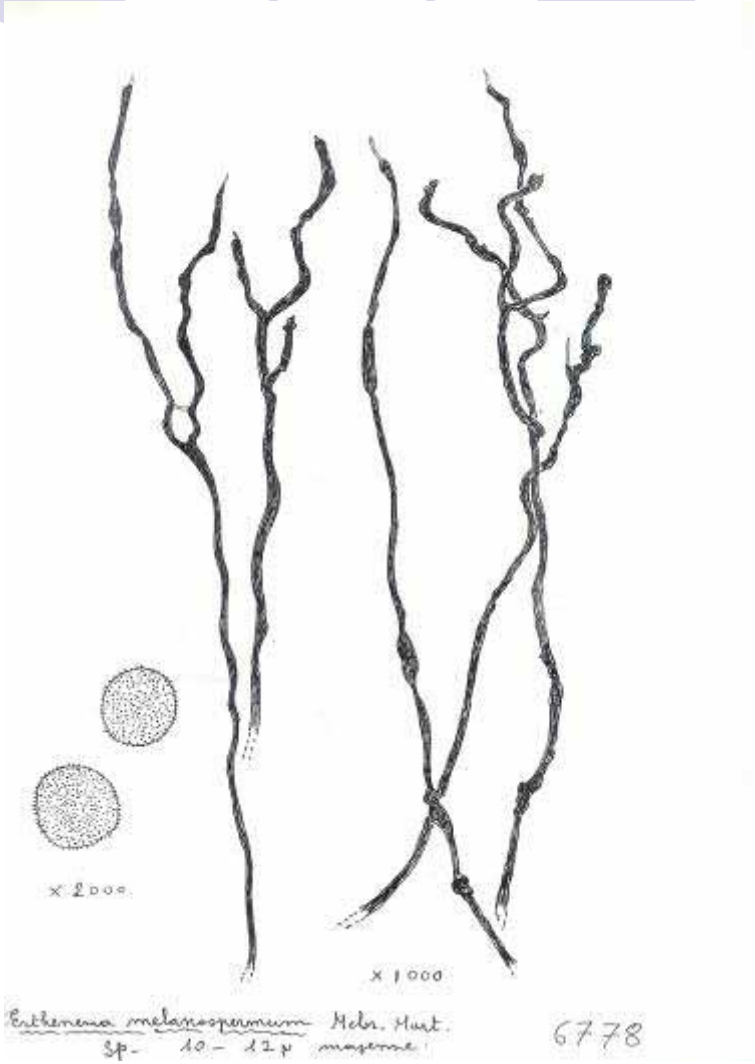
le 15-05- 2004 Photo A. Michaud

Enerthenema intermedium Nann.-Bremek. & R.L.Critchf.



type

Enerthenema melanospermum Macbr. & Martin



MM 6778, leg A. Simon

La Bathie, vers Lachat, alt. 1800m Juin 1991

Photos et dessin : M. Poulain

Hemitrichia montana (Morgan) Macbr.

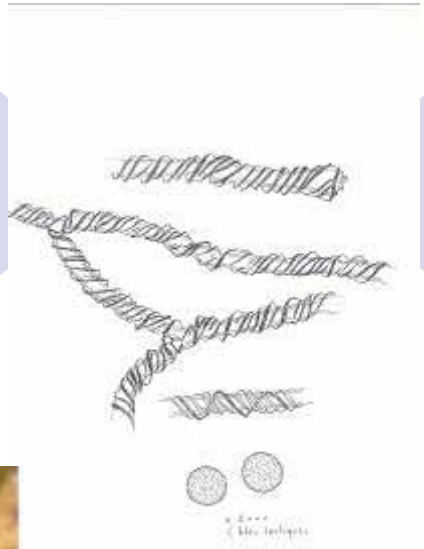
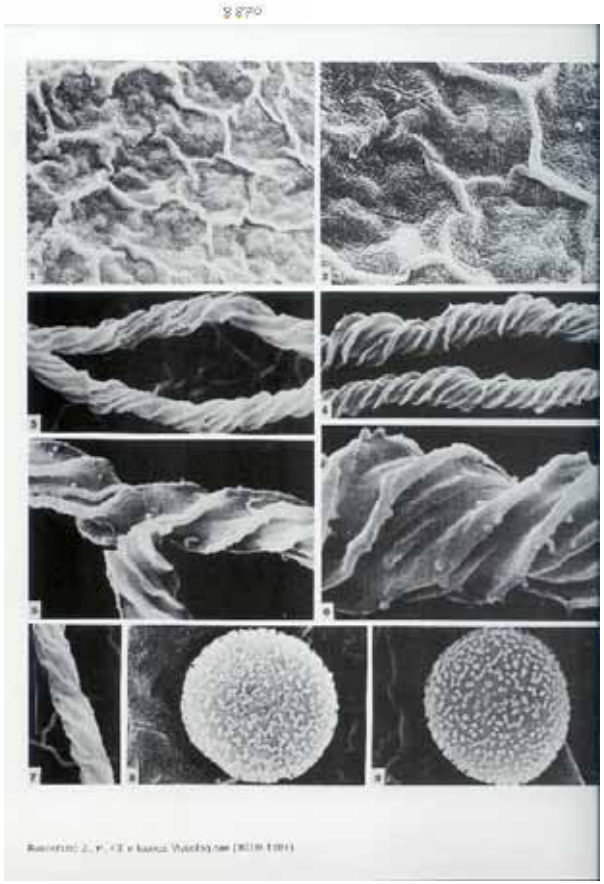


Photo et dessin M. Poulain

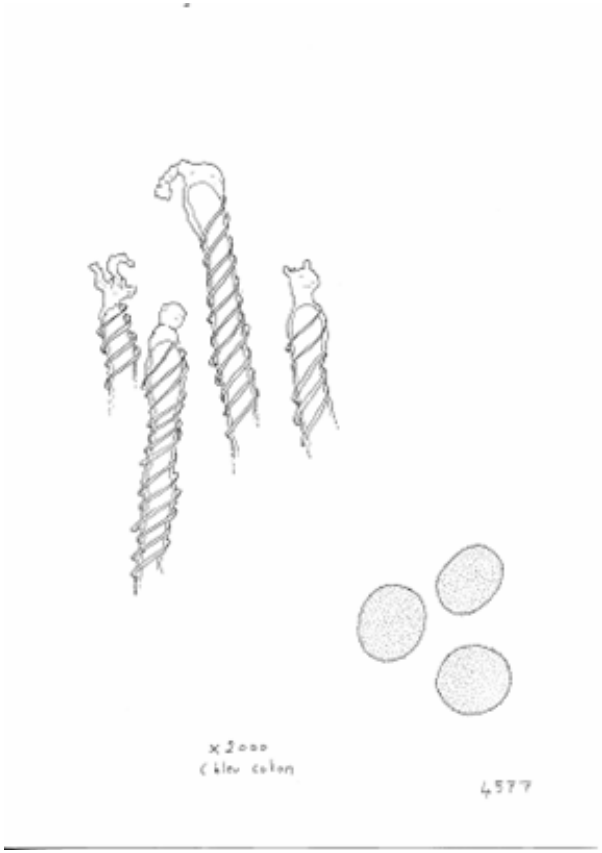


MM 8870 leg NB 12272 de l'herbier Chapman & Mitchel 6805 et 659

Washington, Clallam Co., Olympic National Park, Hurricane Ridge, le 13-7-1967

illustré dans Icônes Mycologiques Rammeloo pl. 44

Hemitrichia montanoides Mar.Meyer & Poulain



Dessin M. Poulain

Notez bien : spiralé à droite

Isotype MM 4577, Macôt-la-Plagne (73) alt. 1800 m, le 17-5-1989

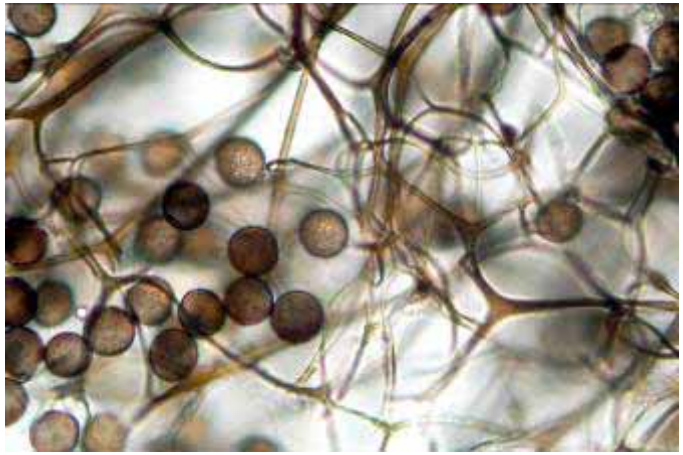
Lamproderma acanthosporum Kowalski

AM 791, Engins, Clapiers, "La Jargne" , alt.1390 m

le 29-3-2003 sous Fagus

Photos A. Michaud

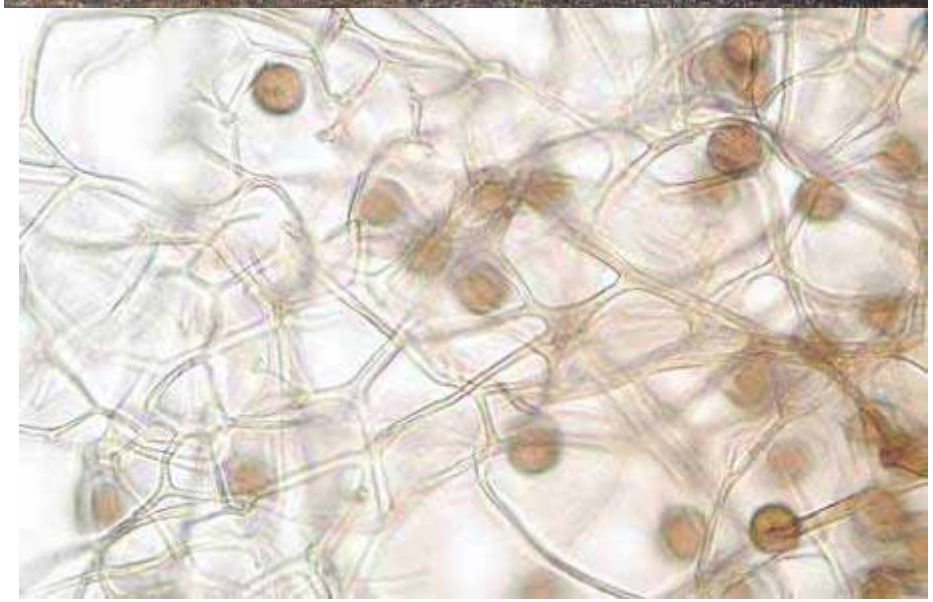
Lamproderma aeneum Mar. Meyer & Poulain



AM 1133 LA BATHIE Bois du Seigneur (73) alt.1735m le 27-05-2004

Photos A. Michaud

Lamproderma album Neubert H, Nowotny W., Baumann K.

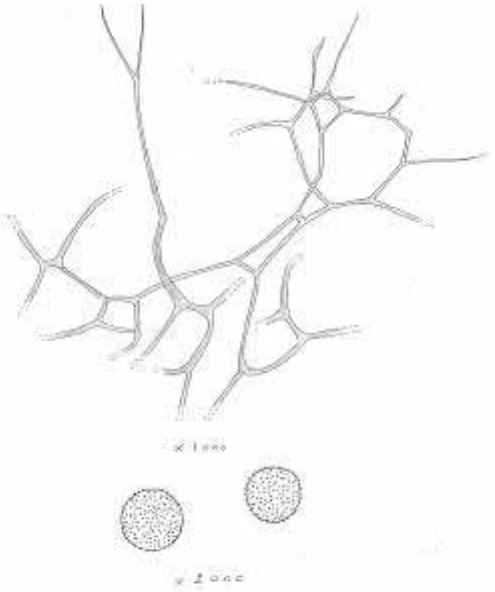


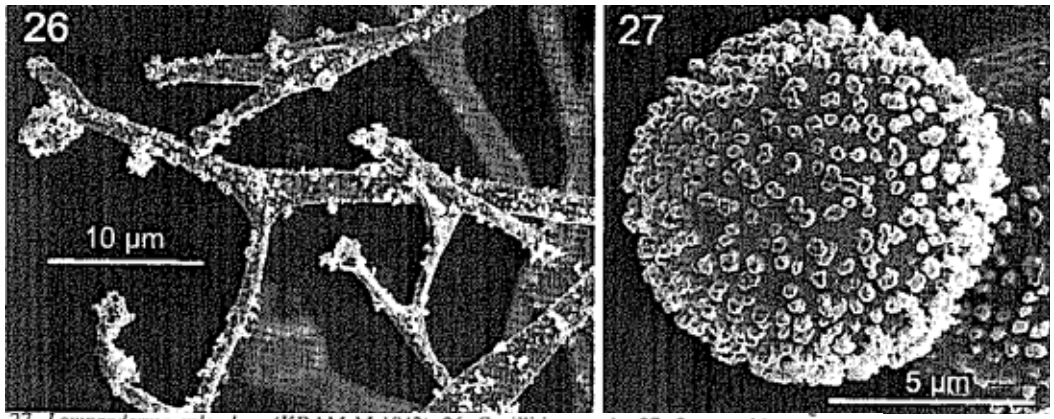
AM1075 Col de la Colombière (74)alt. 1523m
23—5-2004 Photos A. Michaud

Photo M. Poulain

Lamproderma arcyroides Meyl. = *L. splendens v. splendens* Meyl.

MM 3157 Esserts-Blay (73) alt. 850 m le 24-3-1988
photo et dessin M. Poulain

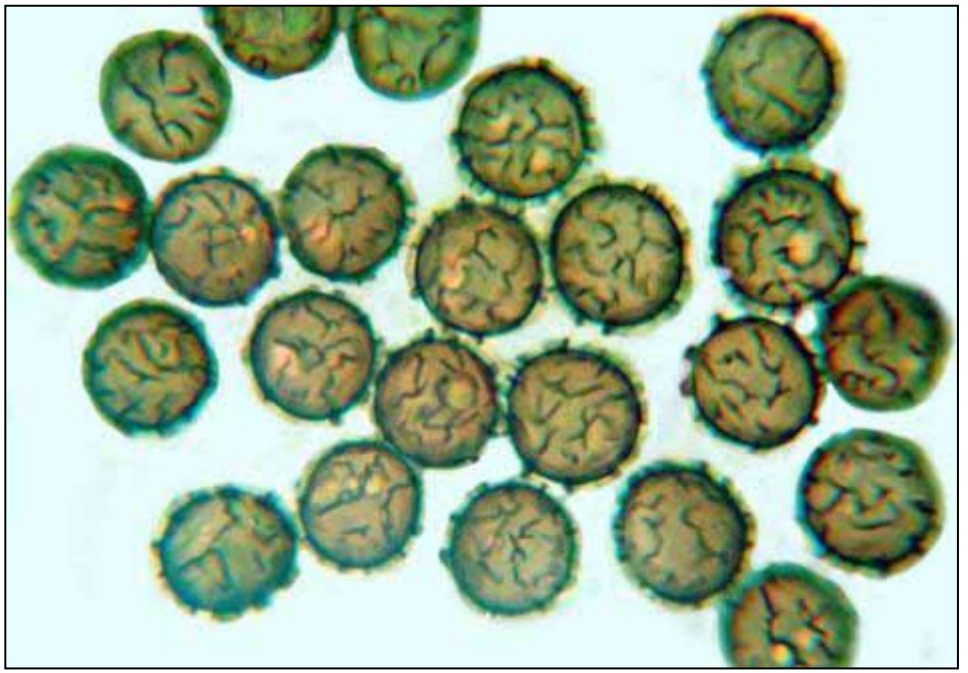




27. *Lamproderma splendens* (KRAM M-1042). 26. Capillitium ends. 27. Spore with verrucate ornamentation.

Lamproderma cacographicum Bozonnet, Mar.Meyer & Poulain

Photos Jean-Louis Cheype



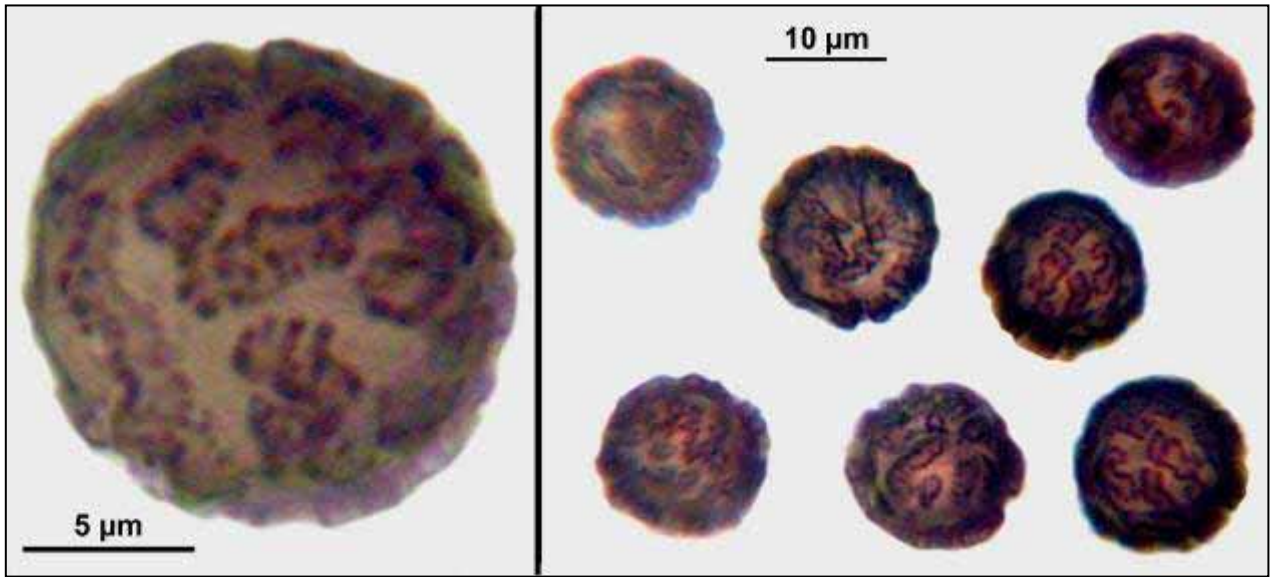
MM 13526, Isotype

Val d'Isère, alt. 1900 le 5-6-1993 sur rameaux vivants de Salix

Lamproderma cristatum Meylan

MM 36286 La Bathie (73) alt. 1800m
le 28/5/2006 sur *Vaccinum myrtillus*

Photos Jean-Louis Cheype

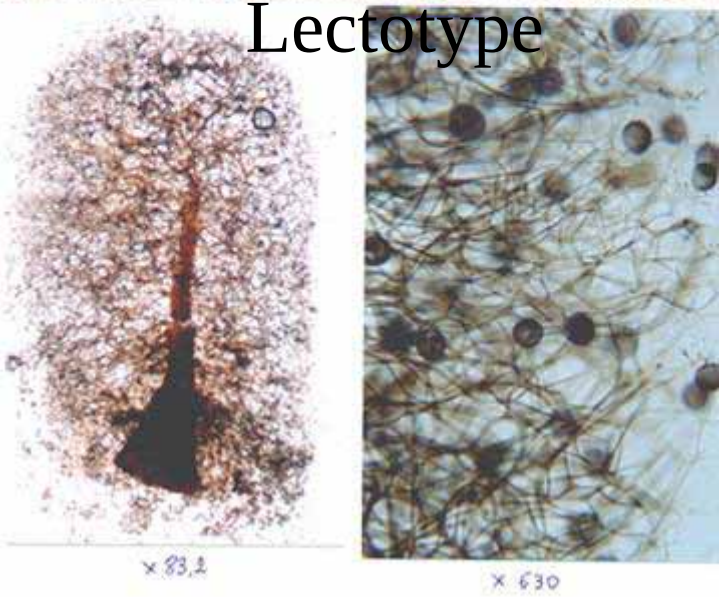


Lamproderma cucumer (Meyl.) Nowotny & H.Neubert

AM 1033 Italie (CN) BAGBNI DI vINADIO 06 05 2004

Photo A. Michaud

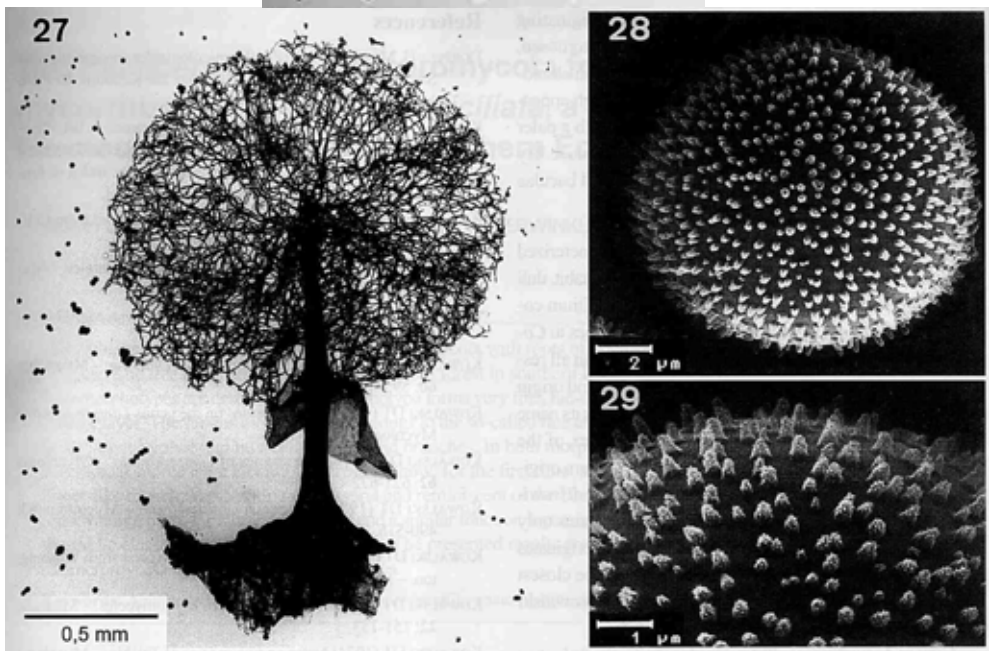
Lectotype



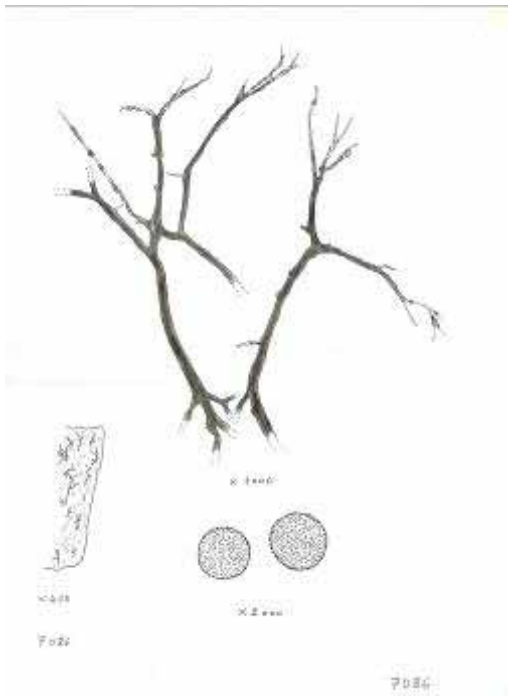
Photos M. Poulain

Lamproderma disseminatum Kowalski

Mycological Progress 4(1) / 2005



Figs. 27–29: *Lamproderma disseminatum*. Holotype. **27**: Sporocarp. **28**: Spore. **29**: Detail of spore ornamentation.



MM 7086 LES ARCS 1900, le 29-05-2003 sur bois mort décortiqué de conifère

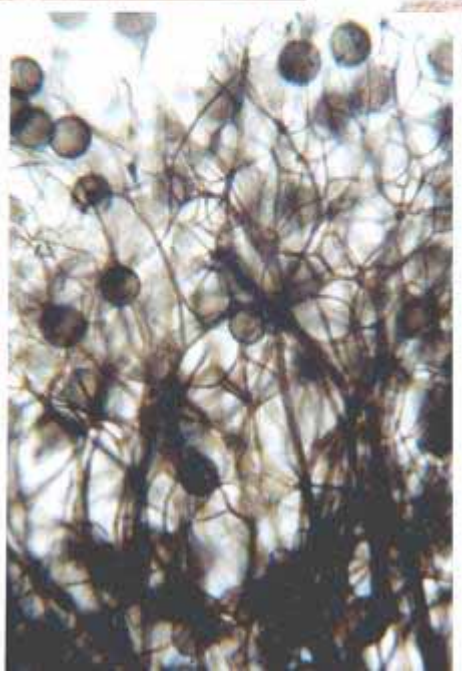
Photo et dessin : M. Poulain

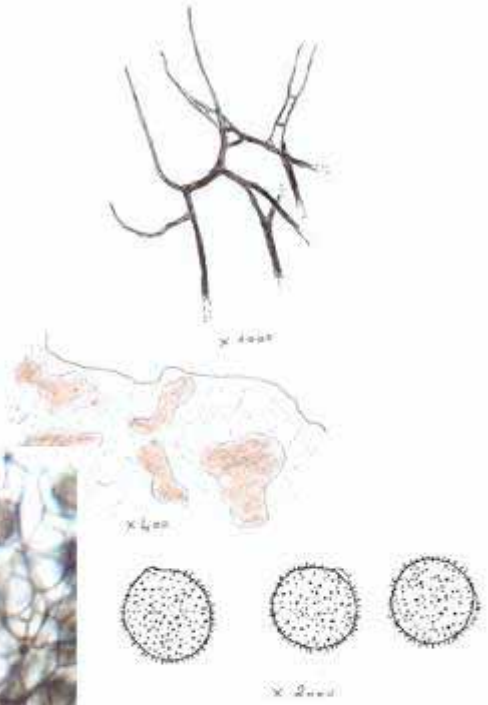
Lamproderma echinosporum Meyl.

AM233 ESSERTS-BLAY (73)

alt.1500m 02-05-2001

Photo A. Michaud



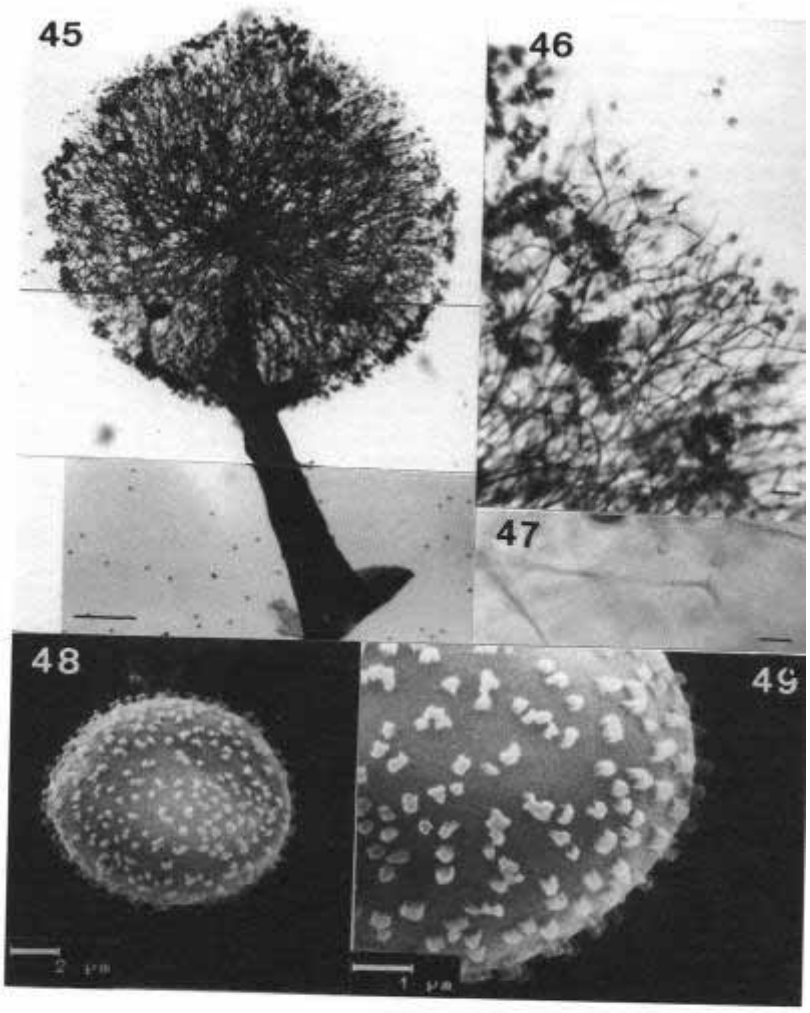


Lectotype

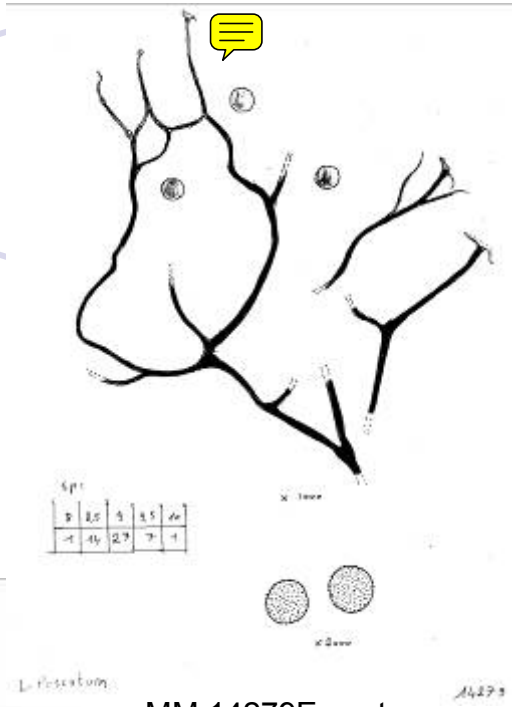
Photos M. Poulain

Lamproderma fuscatum Meyl.

A study on nivicolous Myxomycetes, The genus Lamproderma I



Figs. 45-49: *Lamproderma fuscatum* (*LECTOTYPUS*). 45: Sporocarp. 46: Capillitium. 47: Terminations of capillitium. 48-49: Spore and detail of spore ornamentation.

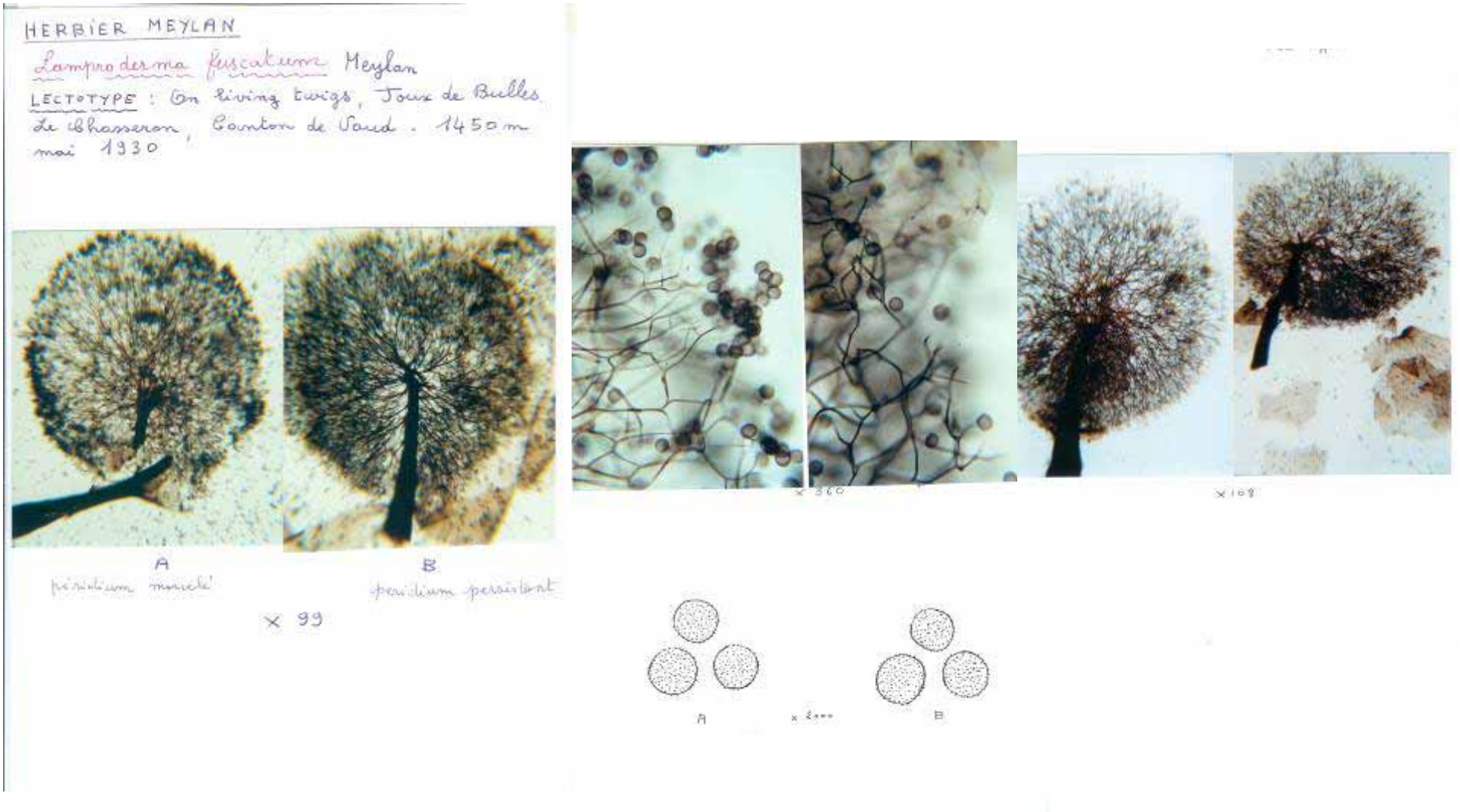


MM 14279Esserts-Blay alt. 1100m le 9-3-1994 dessin MP

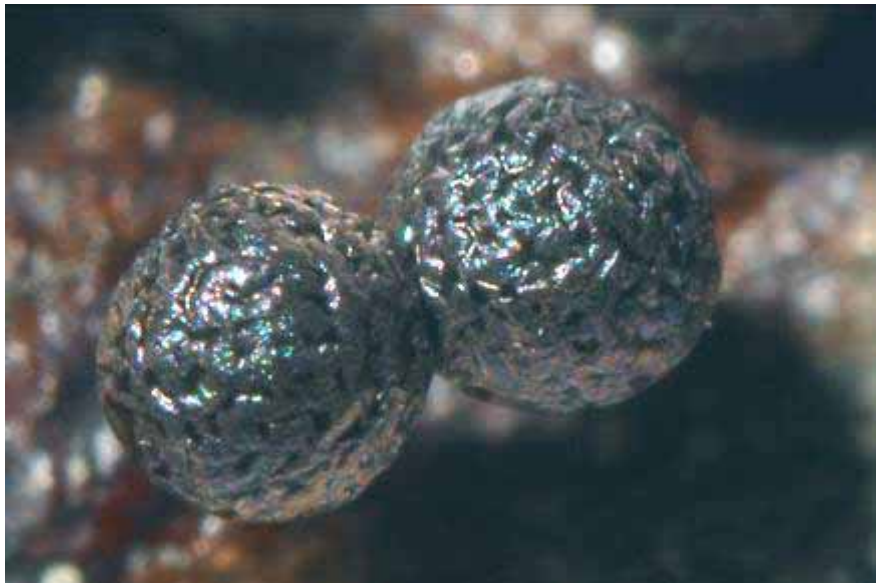
AM1118 LA BATHIE (73) alt. 1300m 18- 04-2004
Photos A. Michaud

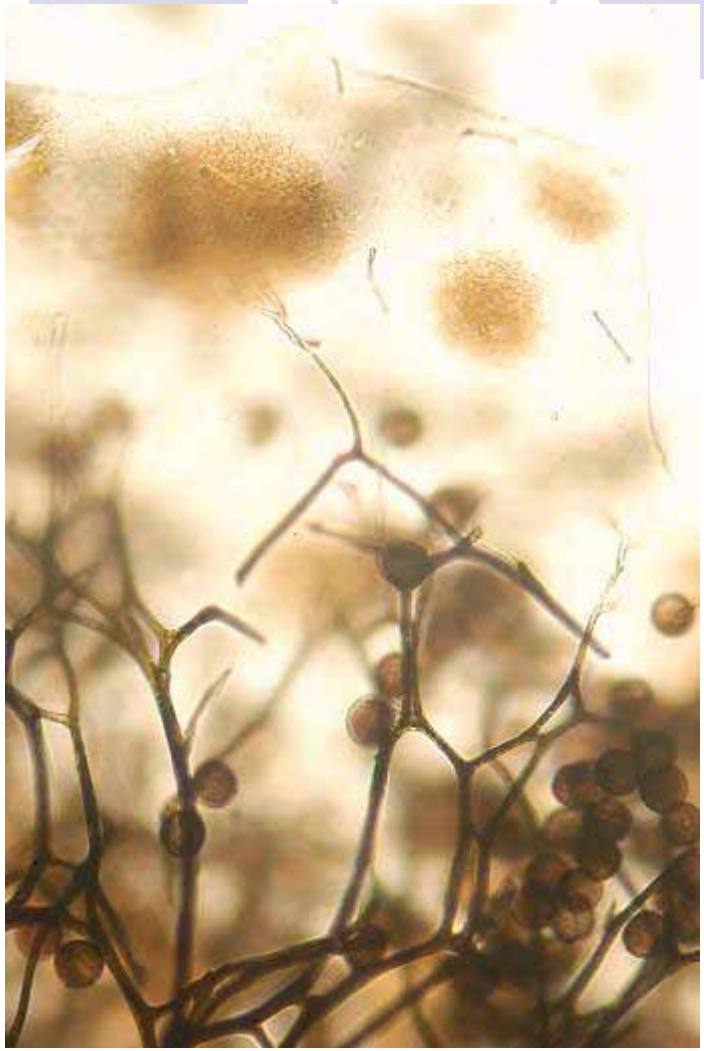
Lamproderma fuscatum Meyl. Lectotype

Problème : 2 espèces dans la boîte du lectotype



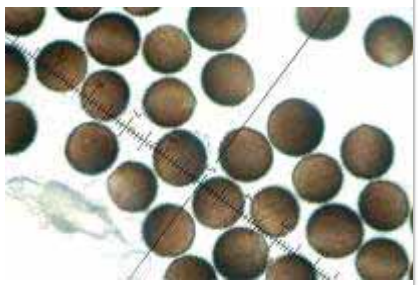
Lamproderma maculatum Kowalski





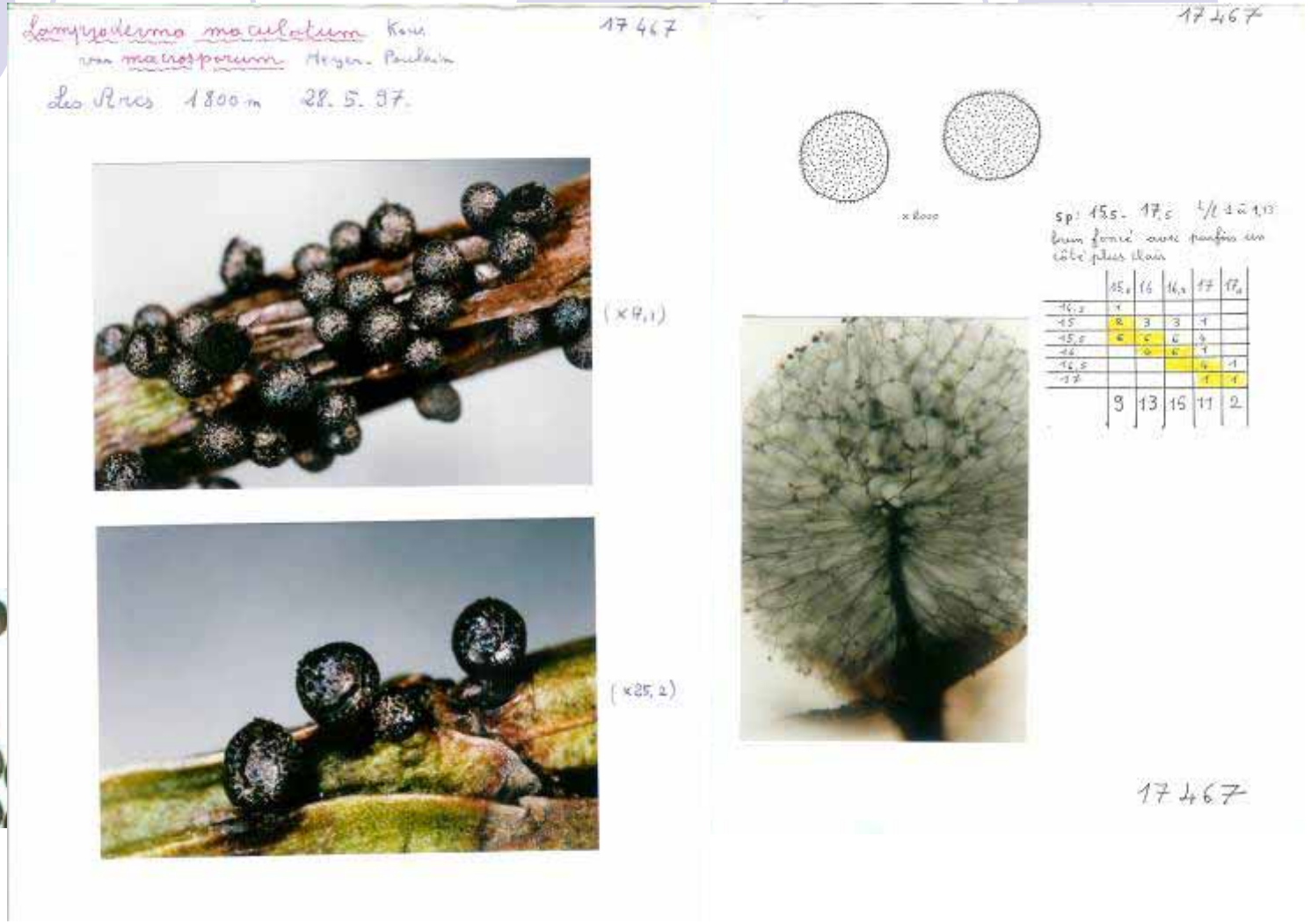
AM 1160 BONNEVAL Lachat (73) le 28-05-2004
alt. 1160m Photos A. Michaud

Lamproderma maculatum var. *macrosporum* Mar.Meyer & Poulain



AM1155 BONNEVAL Lachat (73)
Alt. 1753m 28-05-2004

Photos A. Michaud

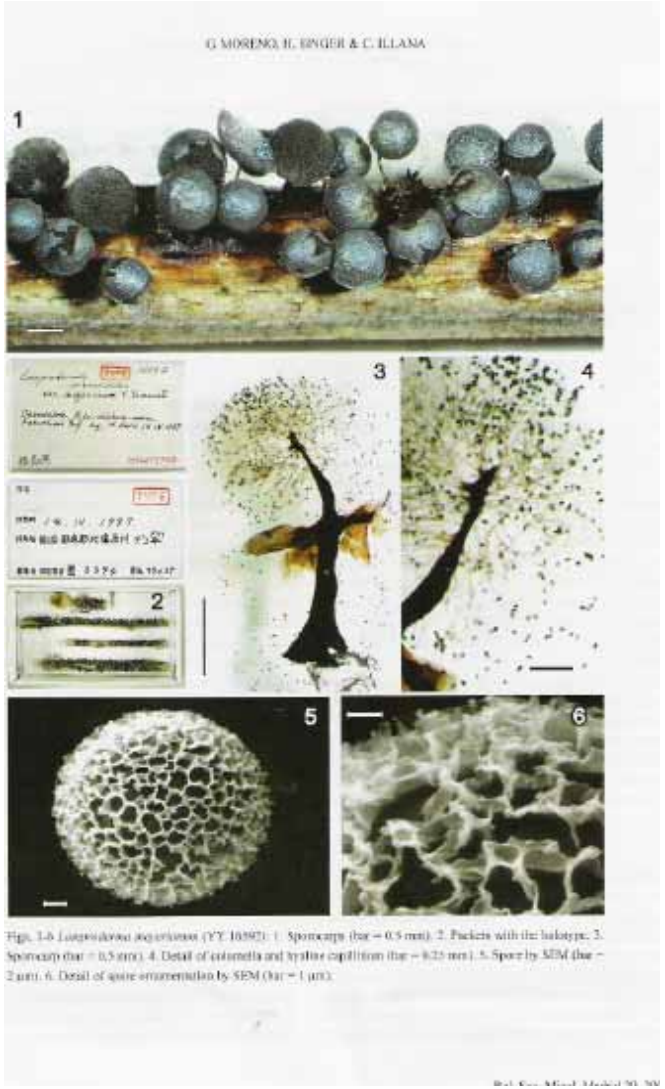


Lamproderma meyerianum (Y.Yamam.) G.Moreno,H.Singer & Illana

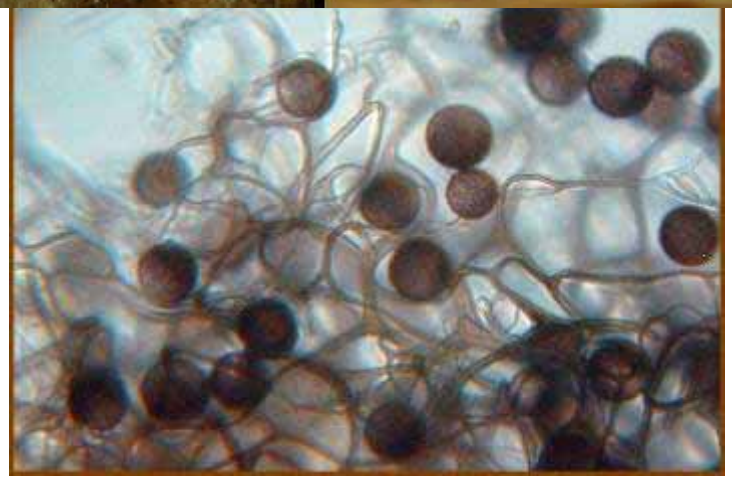
Lamproderma meyerianum (Y. Yamam.) G. Moreno, H. Singer & Illana, comb. et status novo (Figs. 1-6, 21, Tab. 1)
≡ *Lamproderma cribrarioides* var. *meyerianum* Y. Yamam., *Bull. Natl. Sci. Mus., Tokyo*, B 26(3): 111 (2000).

Original diagnosis: A typo sporis incomplete reticulatis et capillitio fere hyalino differt. YY 16592 (Fukushima Pref.. Kitashiobara-mura, Dekodaira, on herbal litter near melting snow, 14.IV.1997, M. Hario, Holotype).

Connu uniquement du Japon

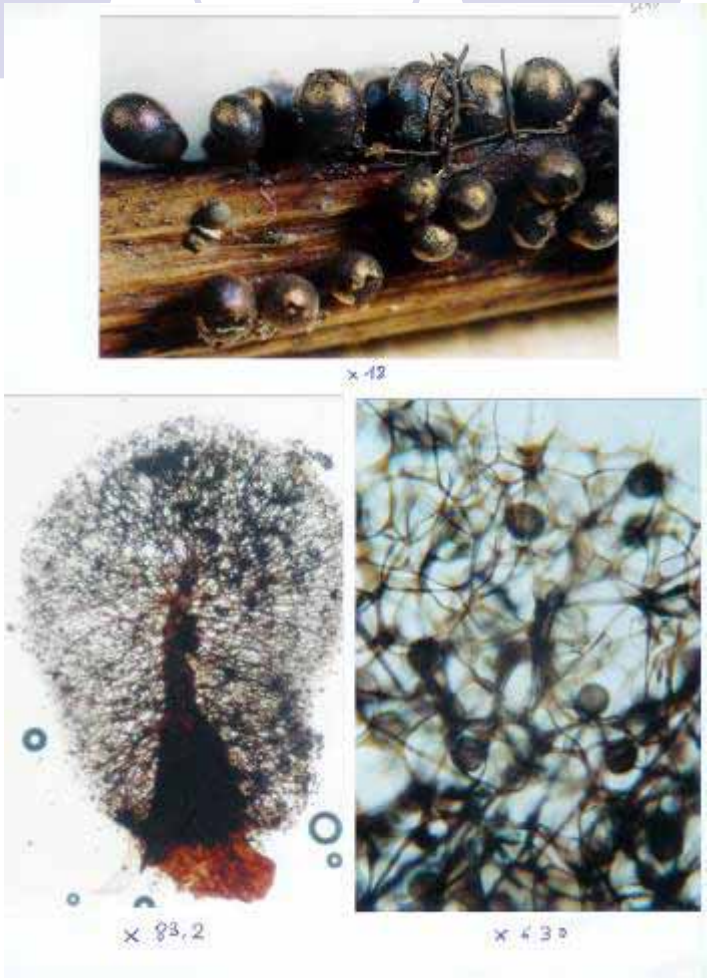


Lamproderma ovoideum Meyl.



Photos et Herbier : R. Cainelii

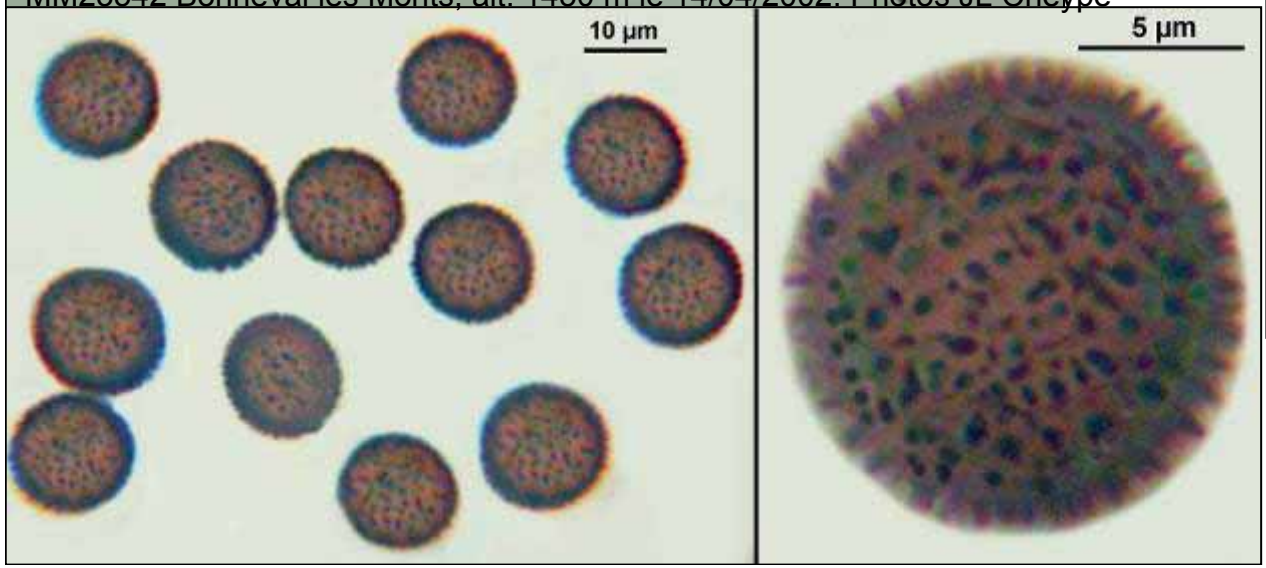
Lectotype



Photos M. Poulain

Lamproderma ovoideoechinulatum Mar.Meyer & Poulain

MM23542 Bonneval les Monts, alt. 1450 m le 14/04/2002. Photos JL Cheype



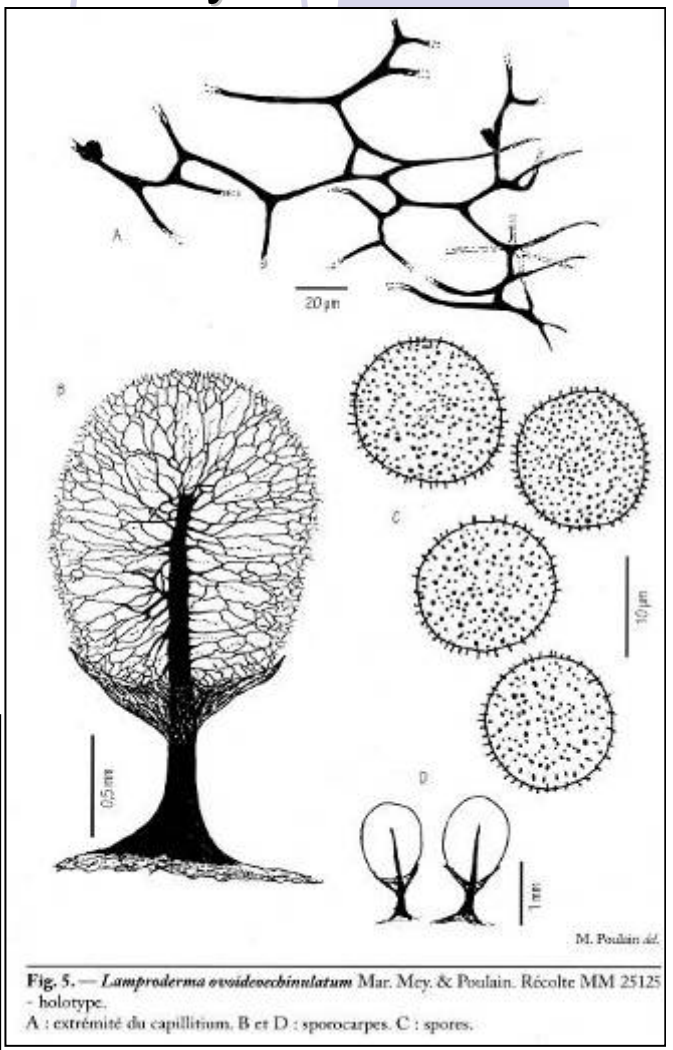
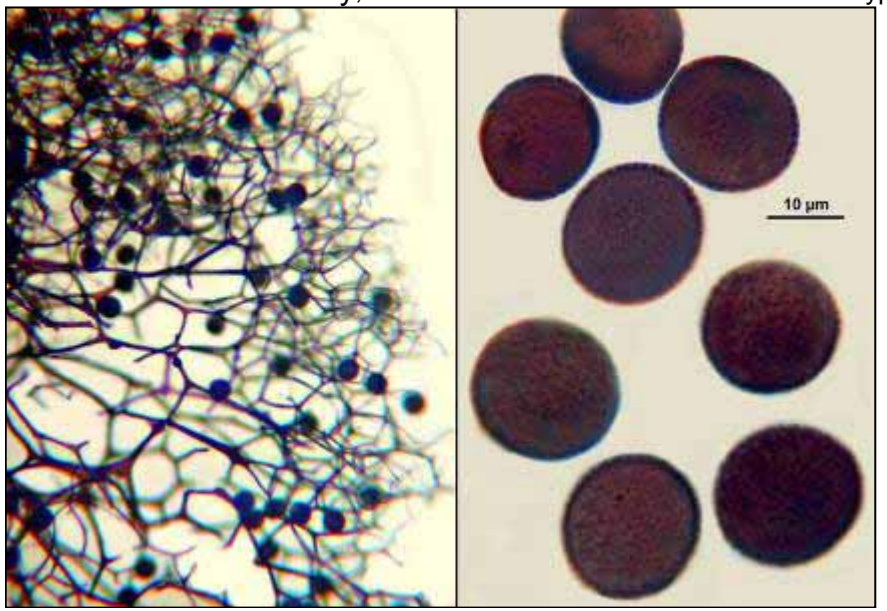


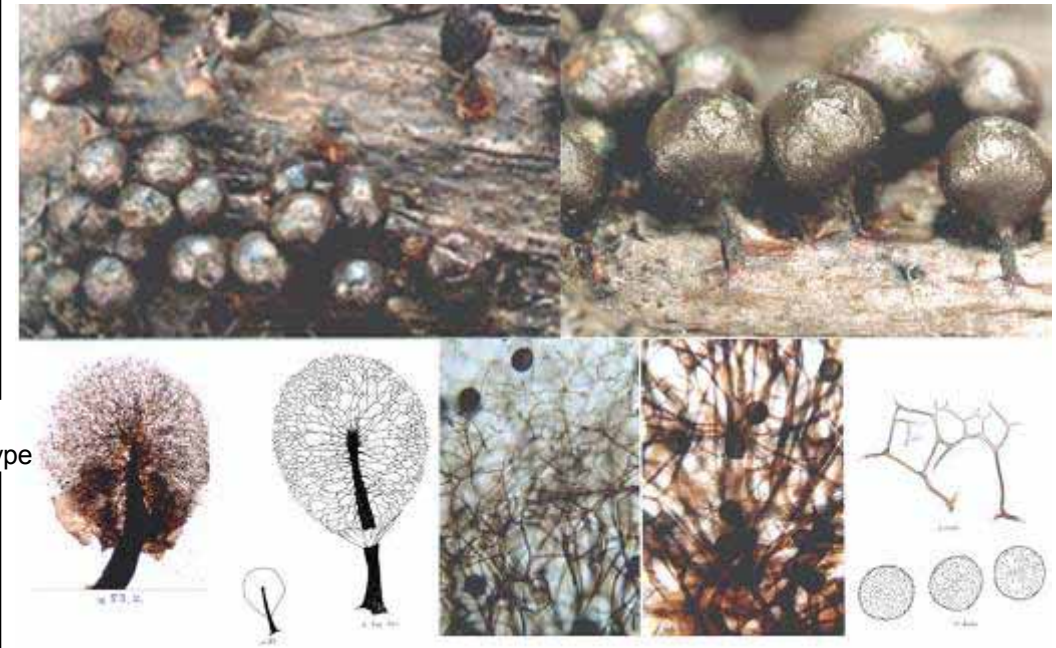
Fig. 5. — ***Lamproderma ovoideoechinulatum*** Mar. Mey. & Poulain. Récolte MM 25125 - holotype.
A : extrémité du capillitium. B et D : sporocarpes. C : spores.

Planche de Michel Poulain

Lamproderma piriforme (Meyl.) Mar.Meyer & Poulain

MM24655 Esserts-Blay, alt. 1350 m le 27/04/2004. Photos JL Cheype





Lectotype

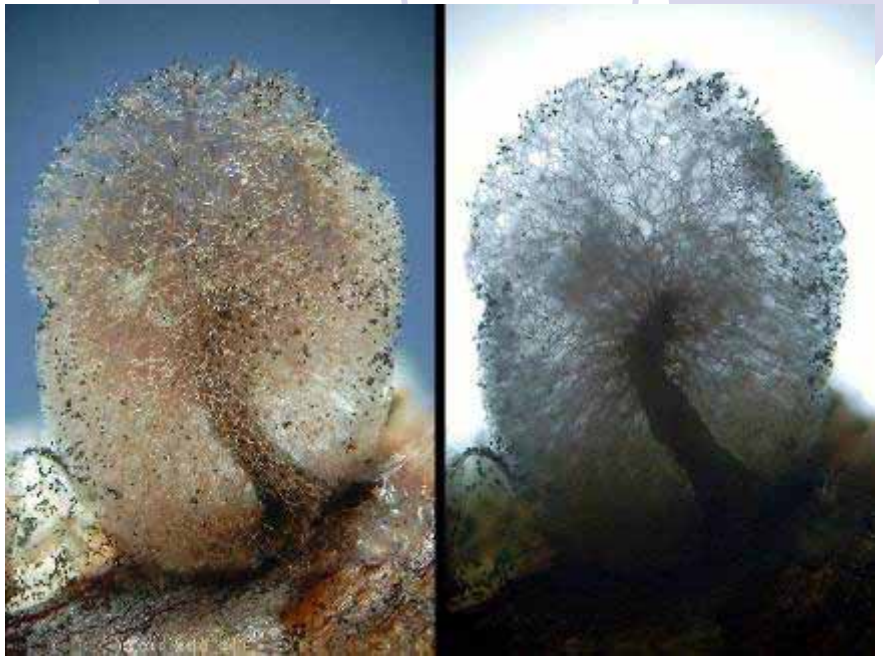
photos M. Poulain

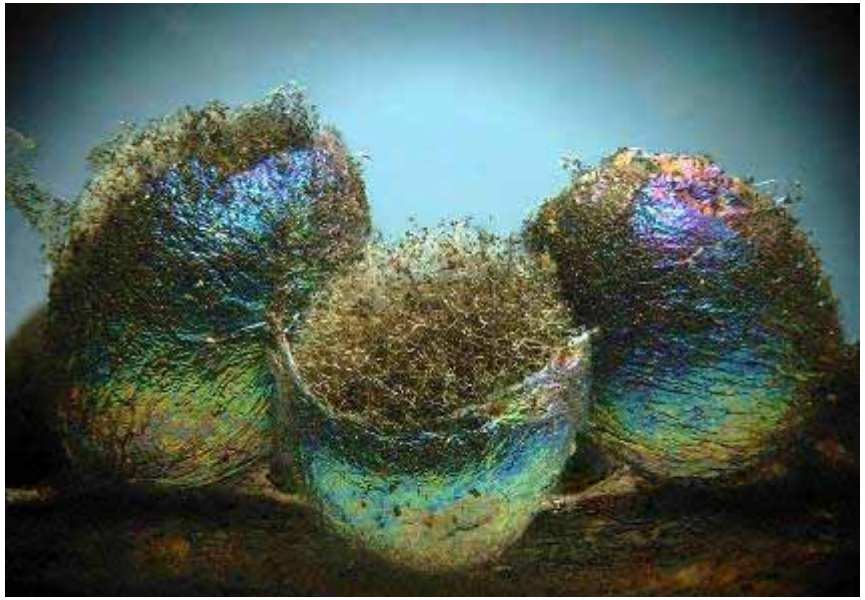
Lamproderma pseudomaculatum Mar.Meyer & Poulain

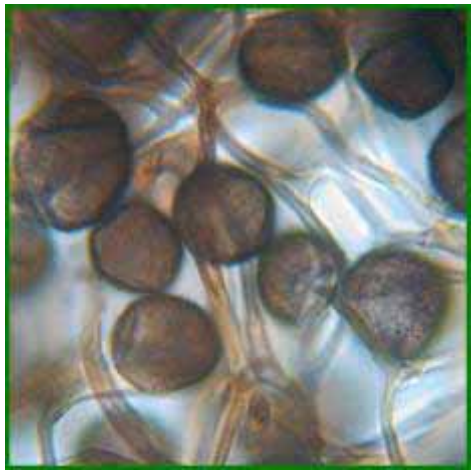
MM 22557, LA BATHIE, alt. 1350 m ,le 21-03-2003

Photos: A. Michaud

Lamproderma pulchellum Meyl.

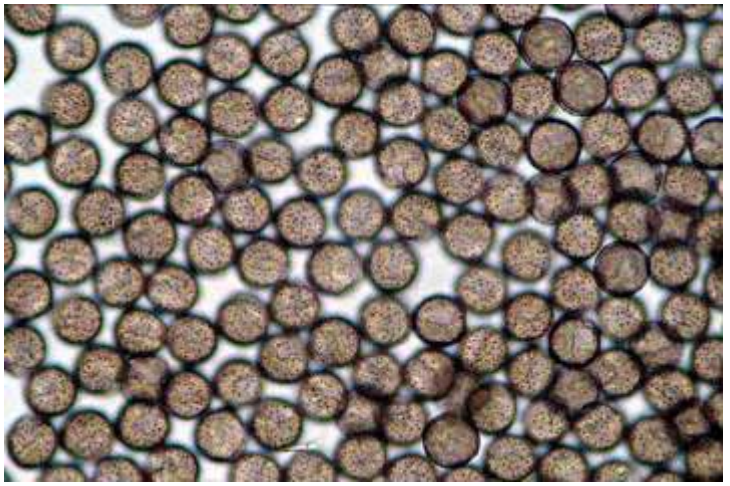






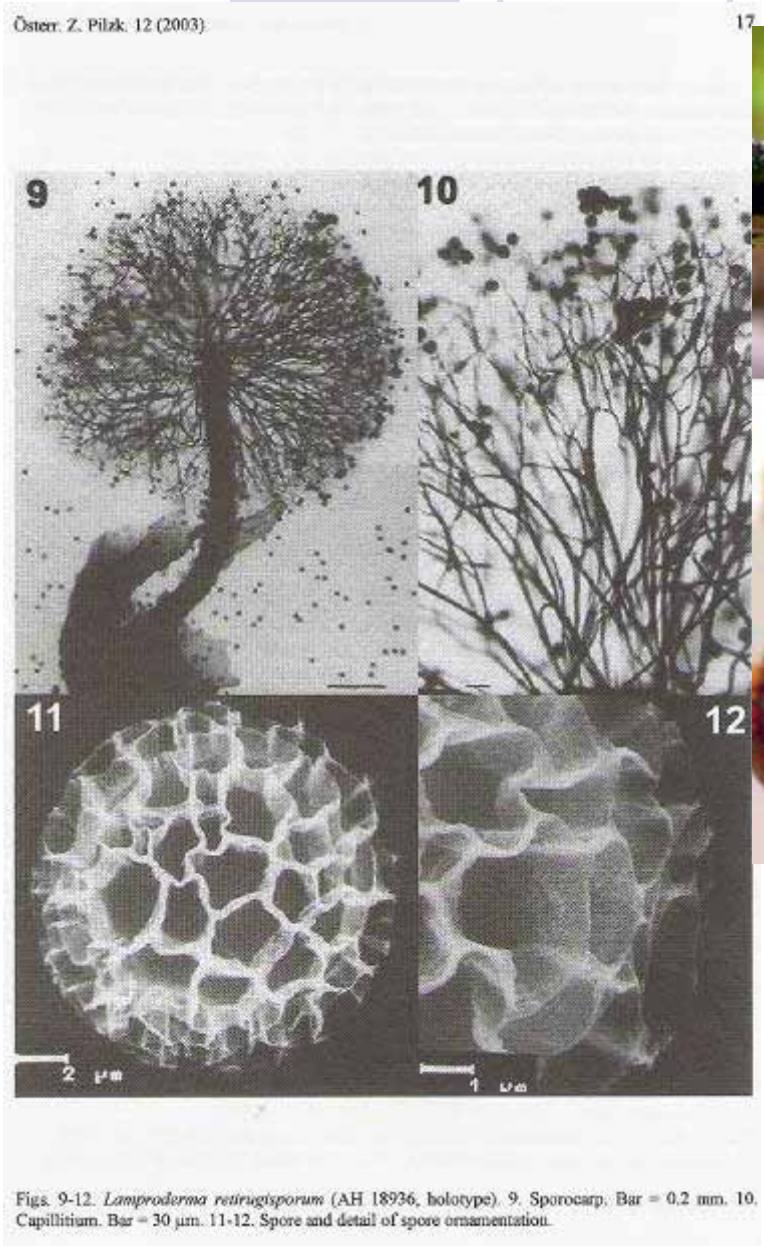
Herb. et photos
R. Cainelli

Lamproderma pulveratum Mar.Meyer & Poulain

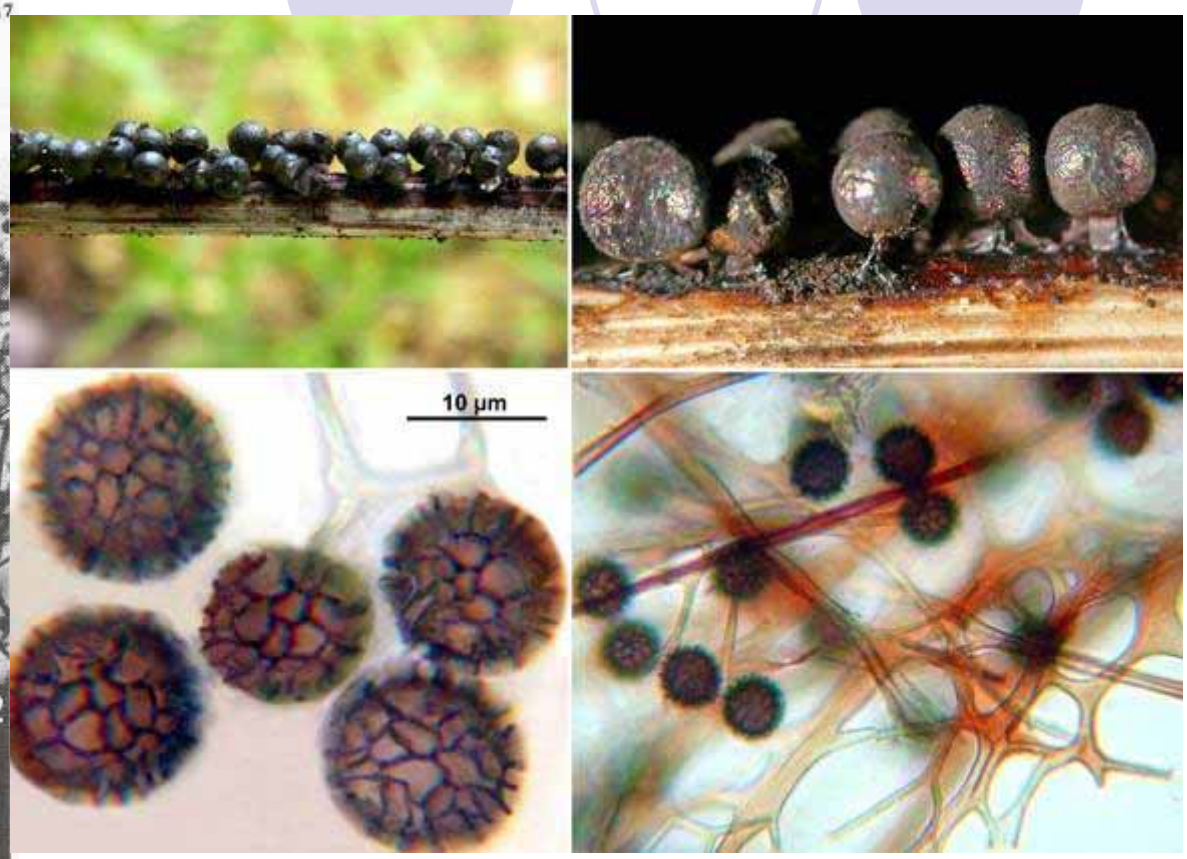


267 COURCHEVEL, Altiport (73), alt. 2000
24-05 2001 Photos A. Michaud

Lamproderma retirugisporum



Figs. 9-12. *Lamproderma retirugisporum* (AH 18936, holotype). 9. Sporocarp. Bar = 0.2 mm. 10. Capillitium. Bar = 30 µm. 11-12. Spore and detail of spore ornamentation.



Photos du site de J.L. Cheype, herb. Cheype

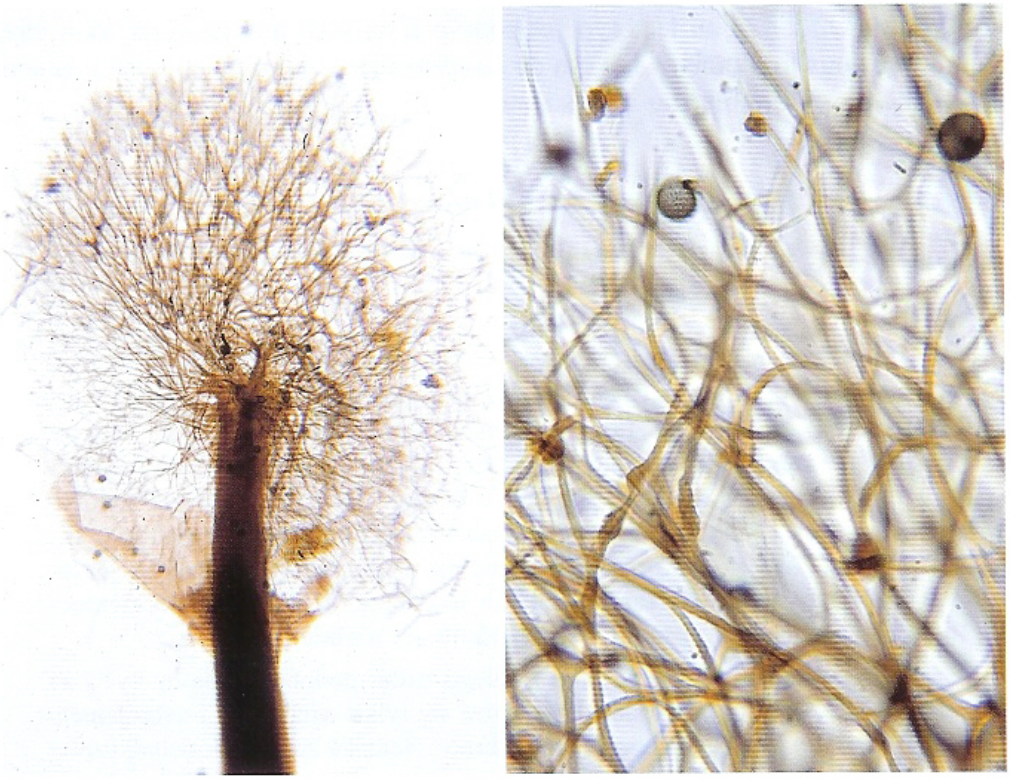
Lamproderma retirugisporum **G. MORENO, H. SINGER, C. ILLANA & A. SÁNCHEZ, spec. nova** (Colour Fig. I, Figs. 9-12)
= *L. cribrarioides* (FR.) R. E. FR., sensu auct. pluribus non FR.

Lamproderma sauteri Rostaf.

Bull. Soc. mycol. Fr., 119 (3–4), p. 267–278. 2003.

Une seule récolte, due à Sauter, dans les environs de Salzbourg. »

PLANCHE I

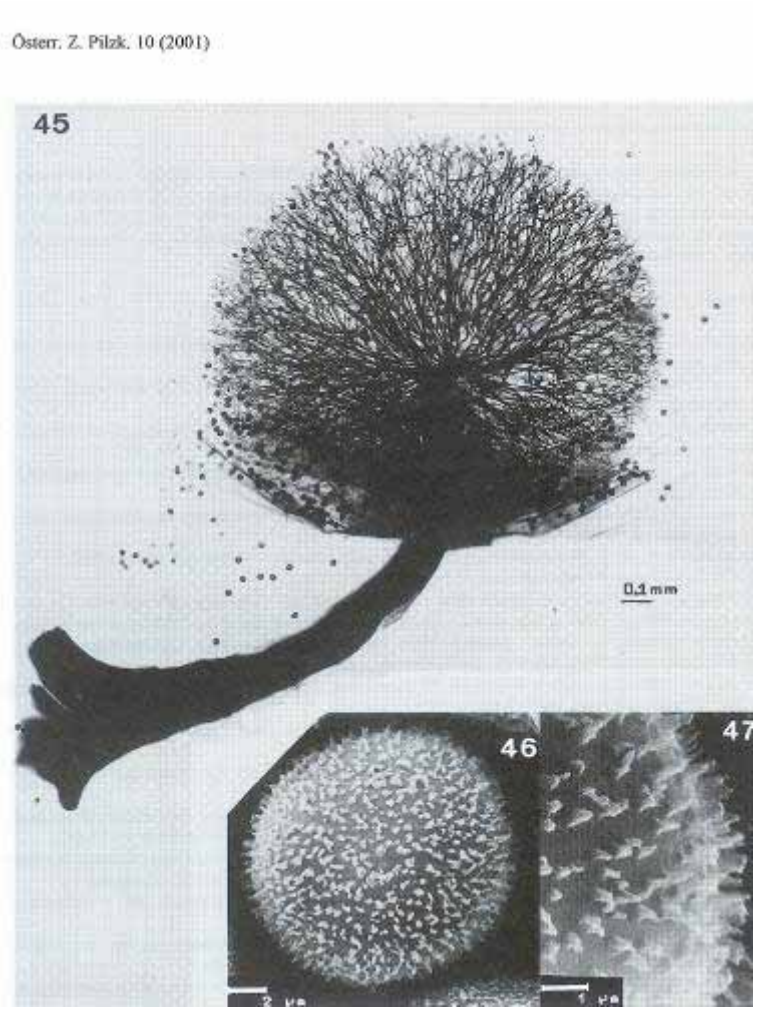


Photographies M. Poulain

Lamproderma sauteri Rostaf., holotype. **A**, sporocyste observé dans le milieu de Hoyer (× 65) ; **B**, capillitium brun orangé et spores brun fuligineux (× 390).

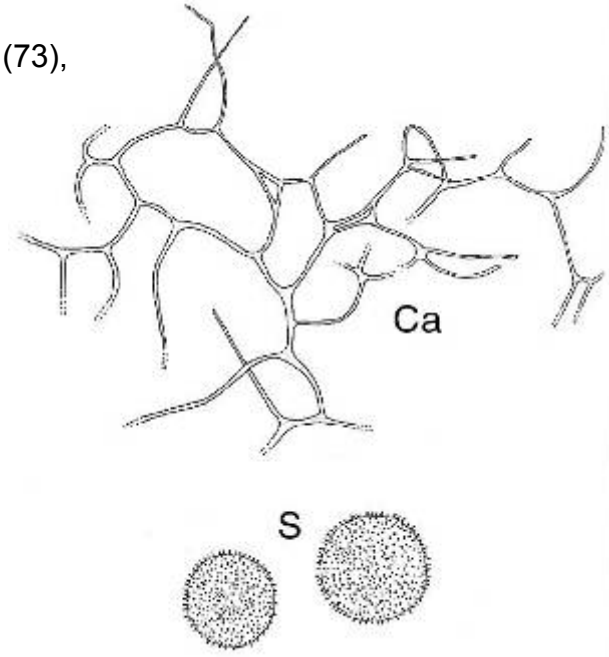
Herb. et photo R. Cainelli

Lamproderma sauteri var.*pulchrum* Meyl.



MM2471Saint-Paul-sur-Isère (73), alt.1100 le 7-5-1986

Photo et dessin M..Poulain

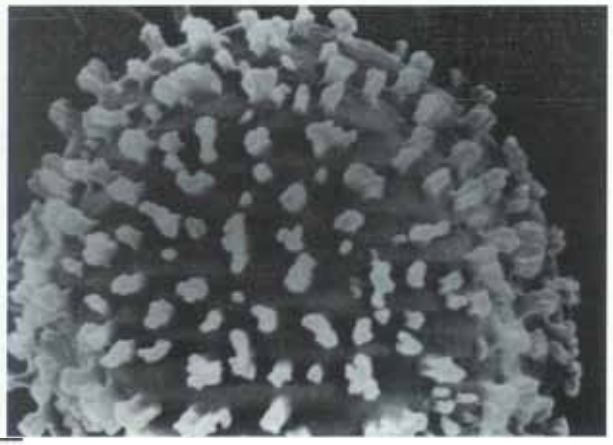


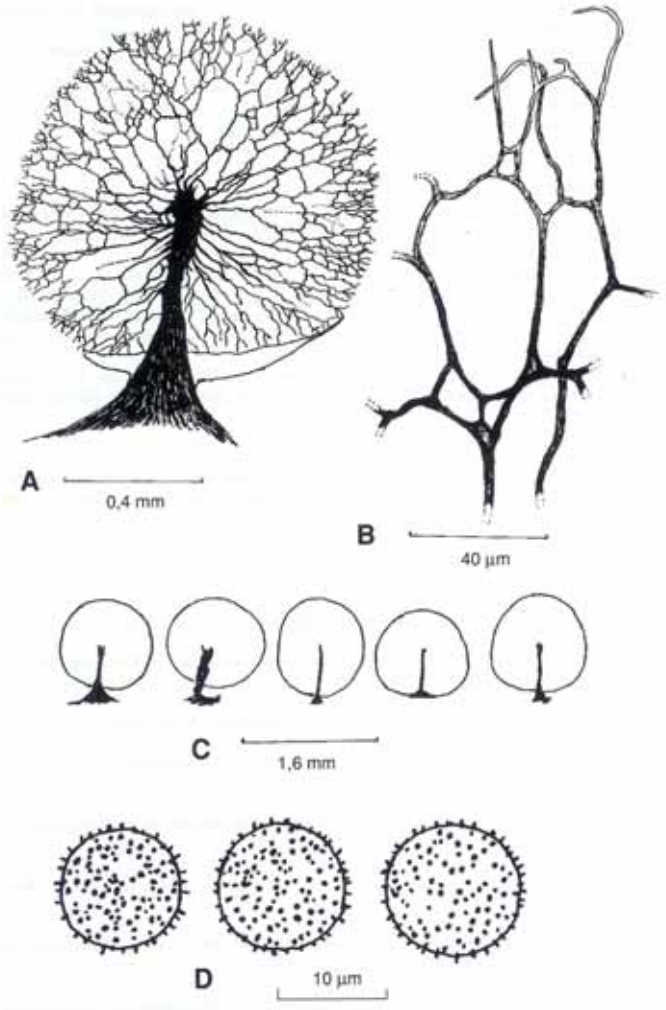
spores 15-18 µm

Lamproderma spinulosporum Mar.Meyer, Nowotny & Poulain

LAMPRODERMA SPINULOSPORUM M. Meyer, W. Nowotny & M. Poulain *Photo :M. POULAIN X 16*
Herbier MM 3265

LAMPRODERMA SPINULOSPORUM spec. nov. *Photo : M. POULAIN*





Lamproderma spinulosporum herb MM 3265.

A) Sporocyste observée à sec sous le microscope , réglage sur le plan médian
B) Capillitium
C) Différents aspects des sporocystes (les derniers: herb MM 11660)
D) Spores dans le Hoyer

Lamproderma zonatum Mar.Mey.& Poulain

Bull. mycol. bot. Dauphiné-Savoie, 176, p. 13-30 (2005)

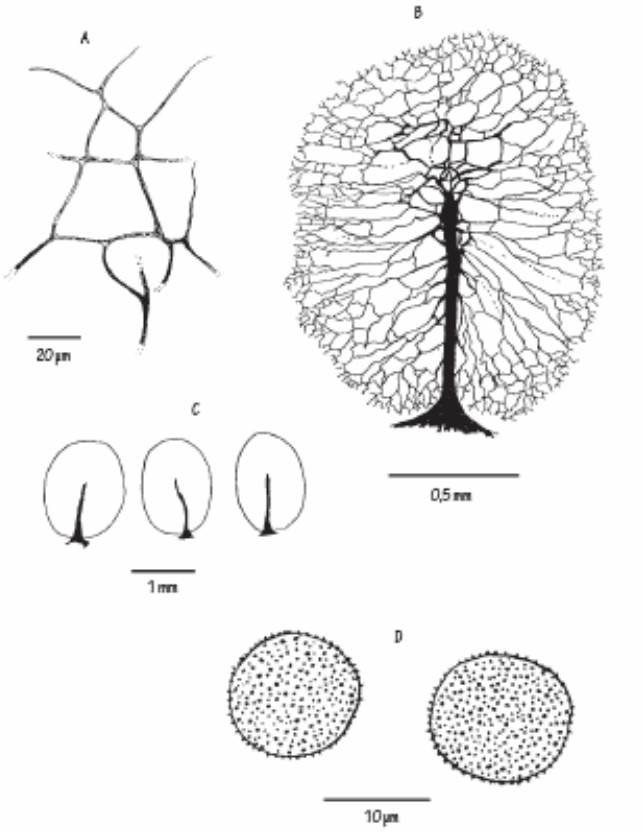
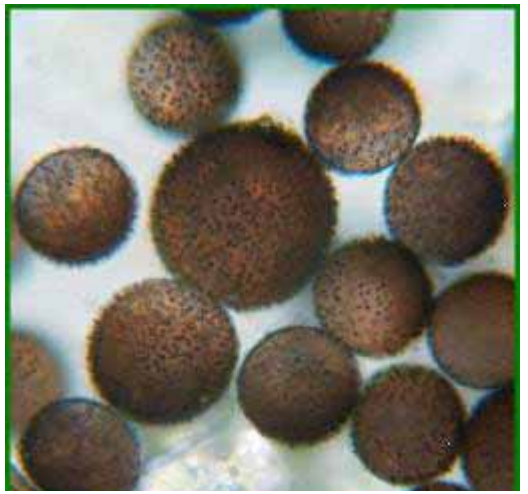


Fig. 1. — *Lamproderma zonatum* Mar. Mey. & Poulain. Récolte MM 21644.
A : extrémité du capillitium. B et C : sporocarpes. D : spores.

Lepidoderma aggregatum Kowalski

Herbier et photos :

R. Cainelli



Lepidoderma alpestroides Mar.Meyer & Poulain

Ukraine 58 Dragobrat , 9km SO de Yasinya alt. 1275 m le 16-5-2005

photos A. Michaud

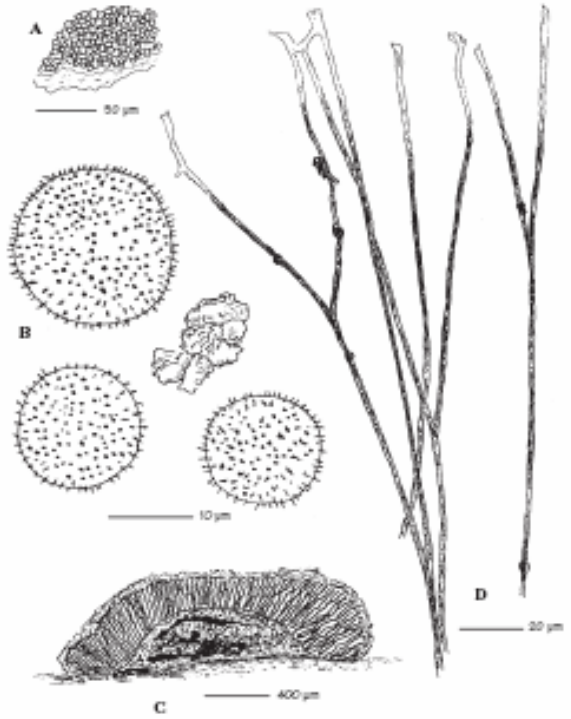


Fig. 2. — *Lepidoderma alpestroides* M. Meyer & M. Poulain, holotype MM 16595 H.
A : péridium double. B : spores et écailles calcaires. C : coupe transversale du plasmodiocarpe.
D : capillitium.

Lepidoderma carestianum (Rabenh.) Rostaf.

Lepidoderma carestianum (Rabenh.) Rostaf. Collection Rabenhorst 00-00-1861 (ex Ab. Carestia), *Fungi europaei* N° 436 – Anno 1861 - unknown country, Loc. Riva, herb. BR.

Photo et dessin - M. Poulain

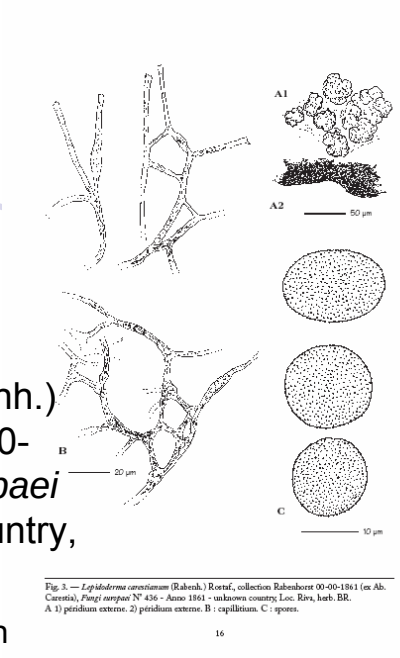
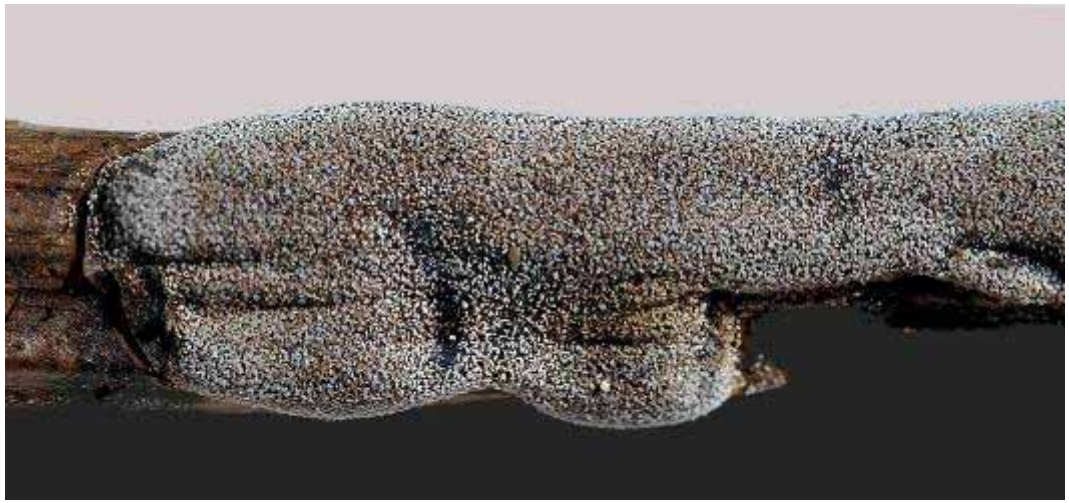


Fig. 3. — *Lepidoderma carestianum* (Rabenh.) Rostaf., collection Rabenhorst 00-00-1861 (ex Ab. Carestia), *Fungi europaei* N° 436 - Anno 1861 - unknown country, Loc. Riva, herb. BR.
A 1) peridium externe. 2) peridium externe. B : capillitium. C : spores.

16



AM 218 Italie, Gias de Burche, alt. 1700m le 28-04-2001
Photos A. Michaud

Lepidoderma carestianum var. *« granulosum » ad int.*

Lepidoderma chailletii (Rostaf.) G.Lister

Photo IV. *Lepidoderma chailletii* Rostaf. Photo - M. POULAIN
Gardot (Doubs, 25), le 23-4-1987, près de la neige fondante, *leg.* Michel Poulain, herb. MM 1697. (grossissement x 15 environ)

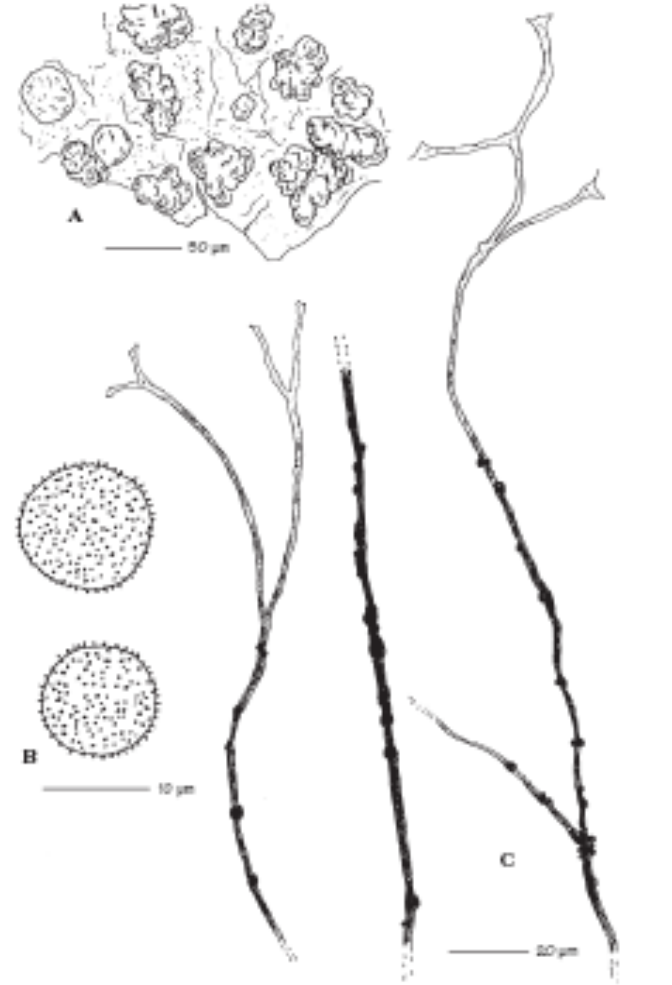
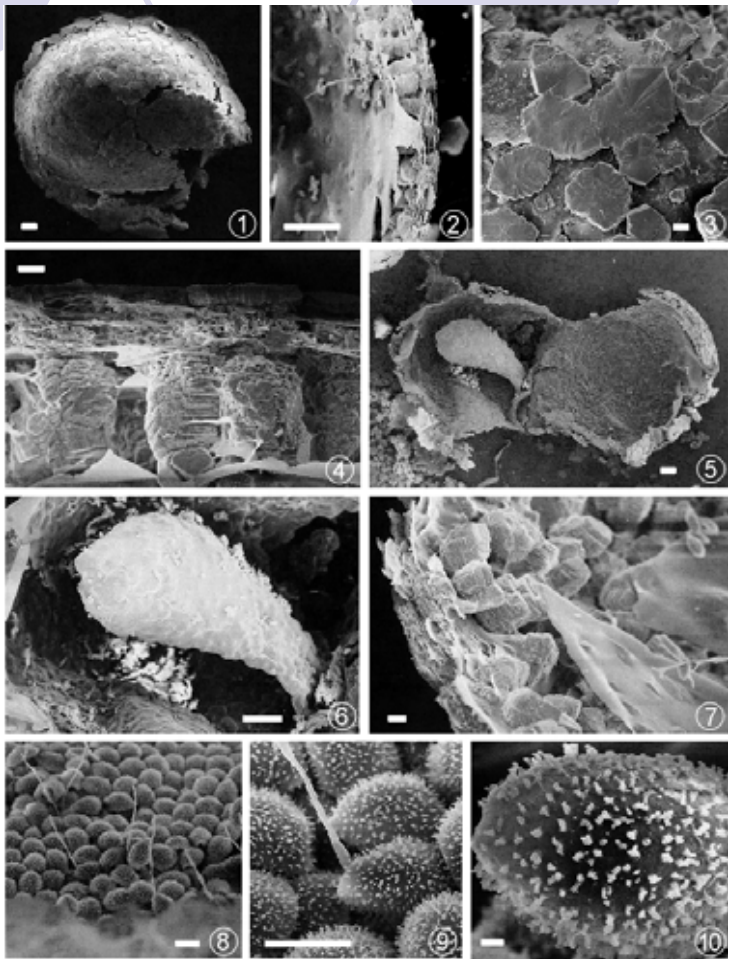


Fig. 4. — *Lepidoderma chailletii* Rostaf. Gardot (Doubs, 25), le 23-4-1987, près de la neige fondante, *leg.* Michel Poulain, herb. MM 1697.
A : péridium double. B : spores. C : capillitium.

Lepidoderma crustaceum Kowalski

MM 6718- DTK 10006 Californie alt. 4000‘
le 9-5-1969 Photo M. Poulain

Lepidoderma crustaceum, a nivicolous myxomycete, found on the island of Crete



character	*L. crustaceum*	*L. aggregatum*
sporocarp diameter	(1-) 1.2-1.5 (-1.7) mm	(1.5-) 1.6-2 (-3) mm
sessile on a	constricted base	broad base
spore mass	violaceous brown	purple brown
spore diameter	(11-) 12-14 (-14.5) µm	(11-) 13-15 µm
spore ornamentation	long spines up to 1 µm	short, blunt spines up to 0.7 µm
spore appearance	one side paler	uniformly coloured
lime shell	pale coffee brown, forming a dense crust which sometimes separates from the peridium	white to cream, less dense, firmly attached to the peridium
columella	conical to clavate	spherical
capillitium	sparse, 1-1.5 µm in diameter	abundant, 0.5-1 µm in diameter

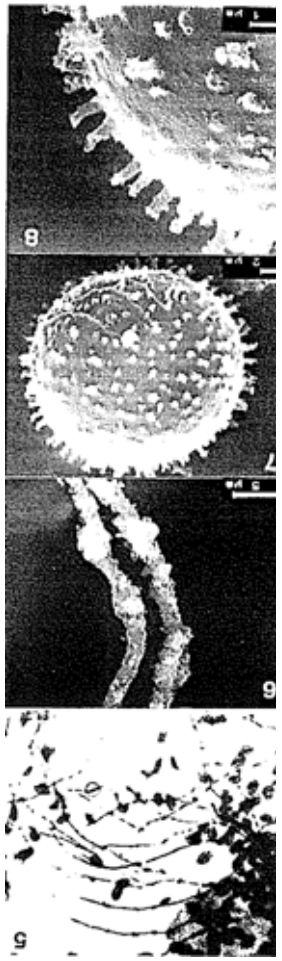
Lepidoderma didermoides Kowalski

MM6719 -DTK 10464 Washington, Whatcom Co.16 mi.E of Glacier, 4000‘,living twigs

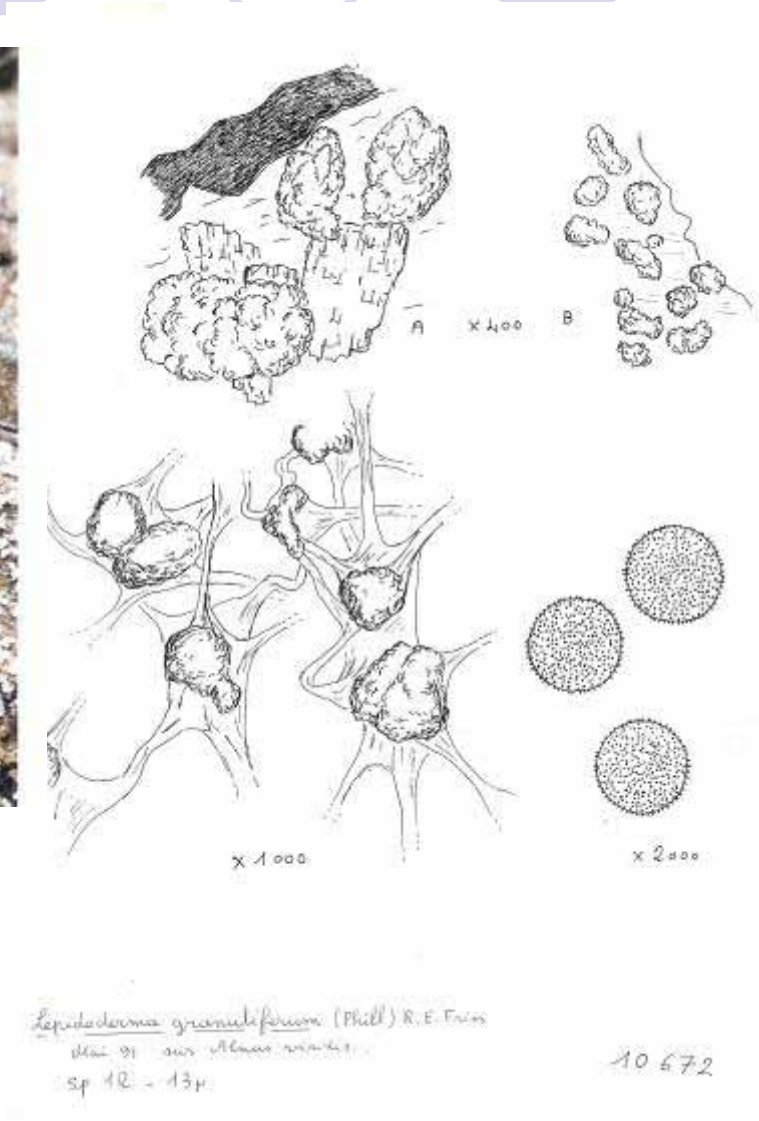
MYCOTAXON
Volume LXXXVIII, pp. 123-128 October-December 2003

DIACHEOPSIS SPINOSIFILA, A SYNONYM OF LEPIDODERMA DIDERMOIDES

G. MORENO, H. SINGER, C. ILLANA



Lepidoderma granuliferum (Phil.) R.E.Fries



MM 10672 Collet d'Allevard (38) alt.1400 le 5-6-1991

Photo M. Poulain

Lepidoderma perforatum Mar.Meyer & Poulain

AM 324 BONNEVAL-LES-MONTS (73) alt. 1500m le 24-05-2001

Photos A. Michaud

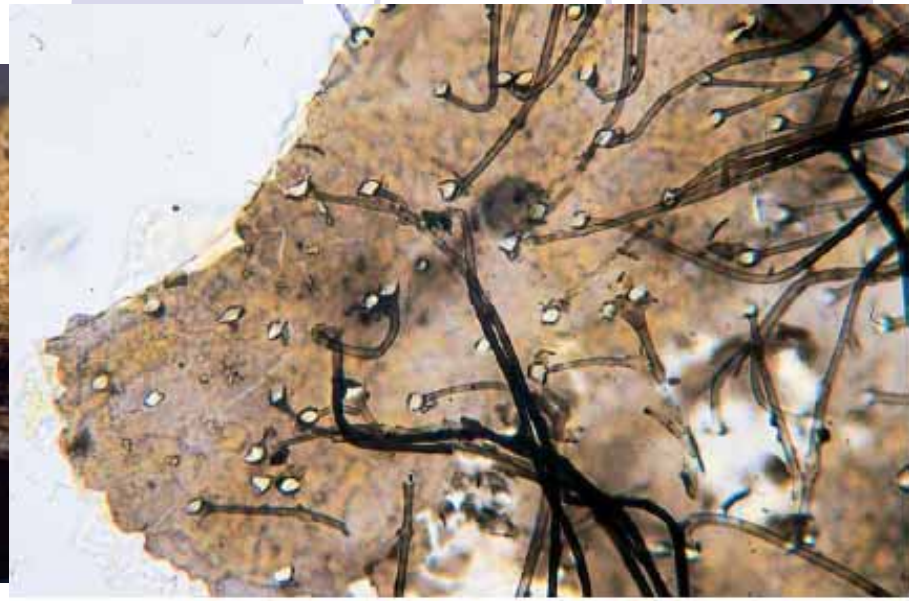


Photo Ib. (grossissement x 515 environ) Photo - M. Poulain

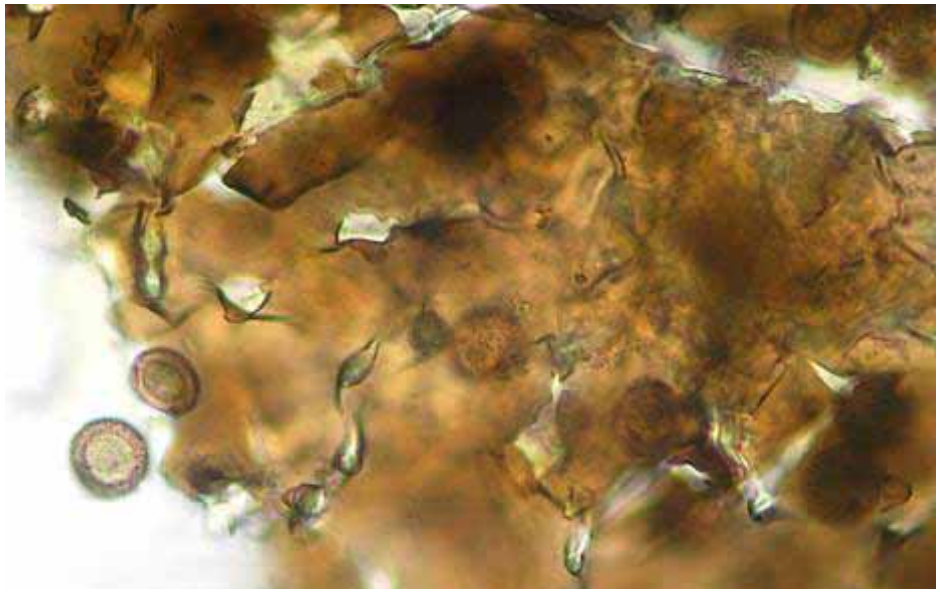


Photo Ia. (grossissement x 11 environ) Photo - M. Poulain

Lepidoderma peyerimhoffii R. Maire & Pinoy

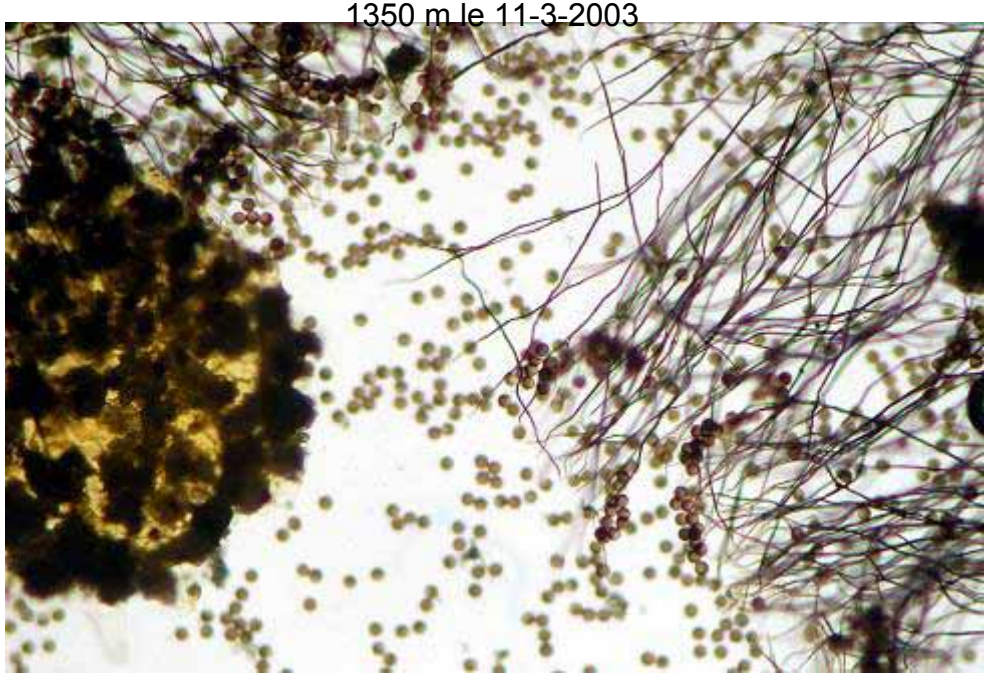
Péridium couvert à l'extérieur de petites écailles calcaires incrustées, claires, éparses, typiquement réticulé par des lignes en relief formées par une accumulation d'écailles calcaires. Spores 10,5-13 µm.

. . . . . .***L. peyerimhoffii*** R. Maire & Pinoy
. . . . . .= *Diderma trevelyani* var. *nivale* Meyl. (1914)
. . . . . .= *Diderma nivale* (Meyl.) Nowotny *et al.* (1991, p. 24)
. . . .≡ *Diderma peyrehimhoffii* (R. Maire & Pinoy) Neubert *et al.* (2000, p. 378)

MM22462 Hautecour (73) alt. 1350 m le 11-3-2003

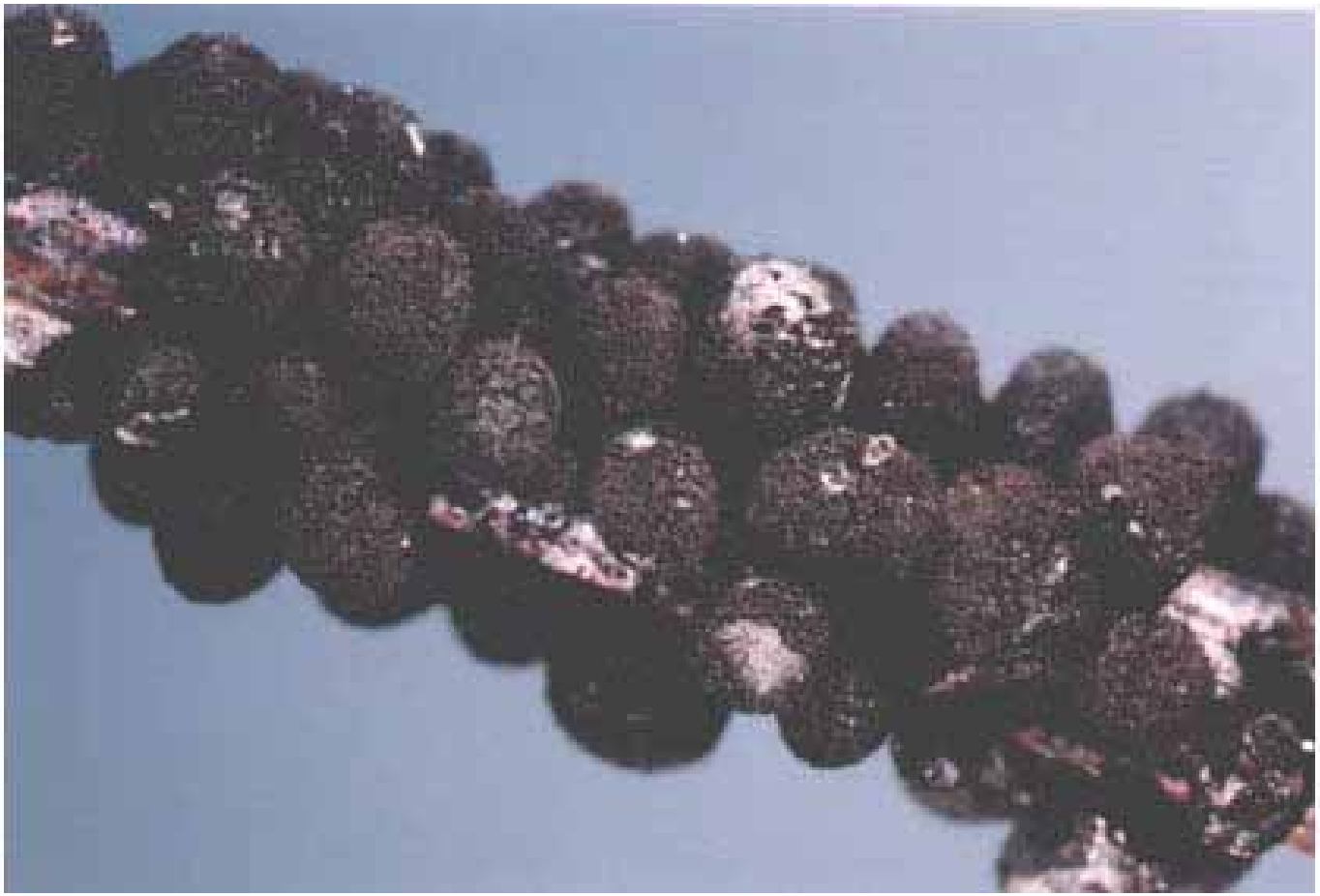
Photos A. Michaud

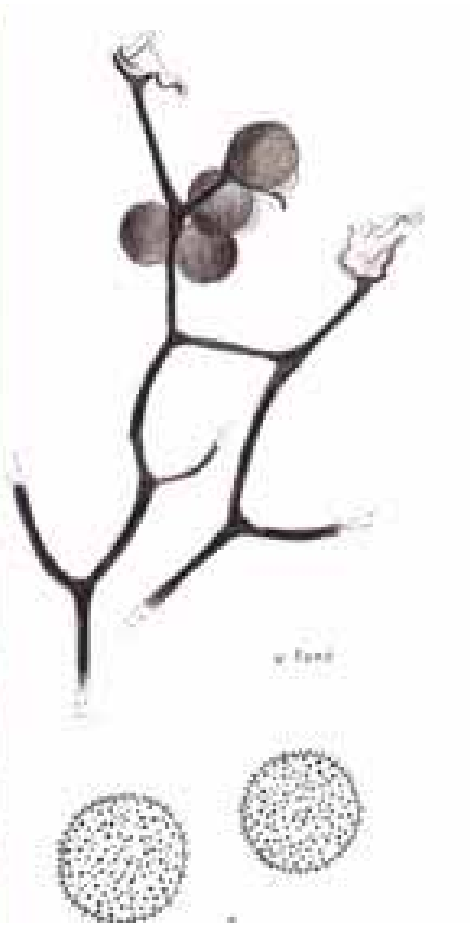
MM 28262



AM1091

Meriderma aggregatum ad int





Meriderma carestiae = *Stemonitis carestiae* = *Lamproderma atrosporum* Meyl

Photographie M. Poulain

Stemonitis carestiae Ces. et De Not., holotype (× 19)

Bull. Soc. mycol. Fr., 119 (3–4), p. 267–278. 2003.

ÉTUDE DES TYPES DE *LAMPRODERMA SAUTERI* ET DE *STEMONITIS CARESTIAE*. VALIDATION DE *LAMPRODERMA ZONATUM* SP. NOV.

Michel POULAIN*, Marianne MEYER** et Pierre-Arthur MOREAU***

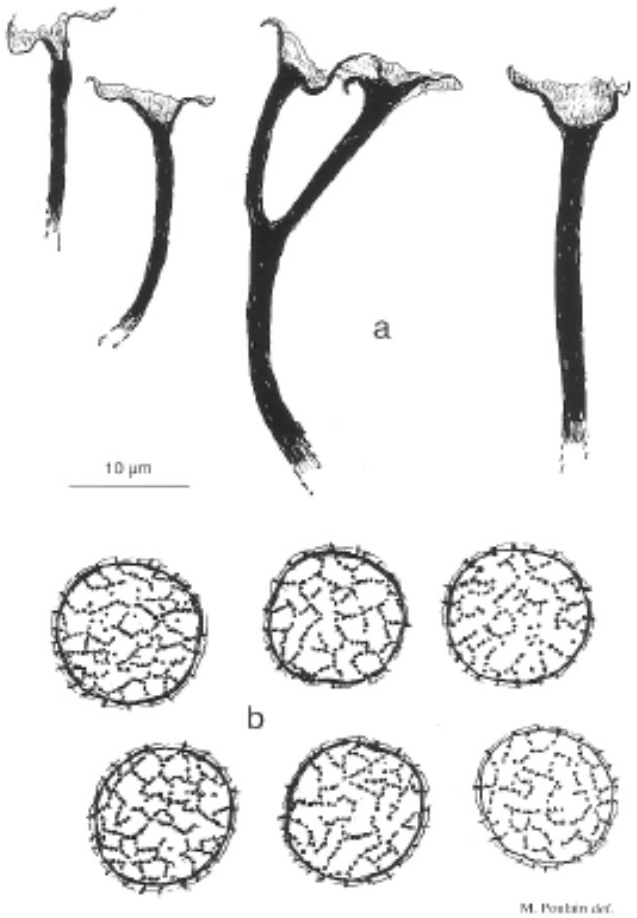
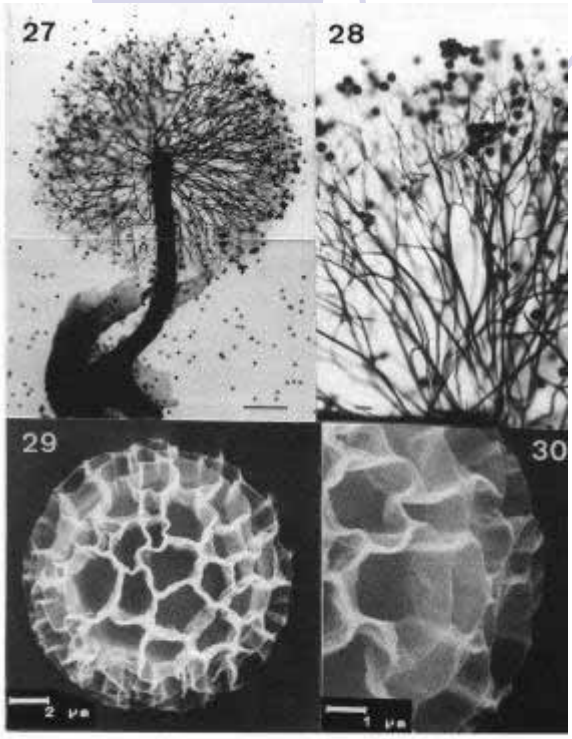
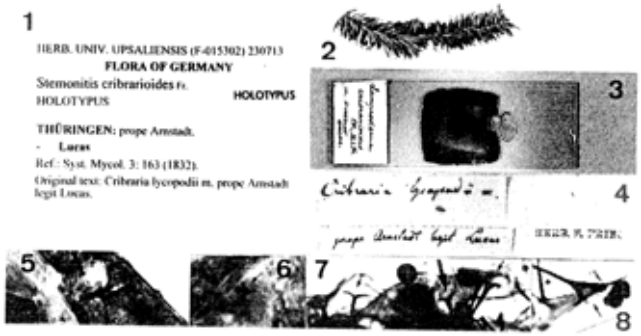


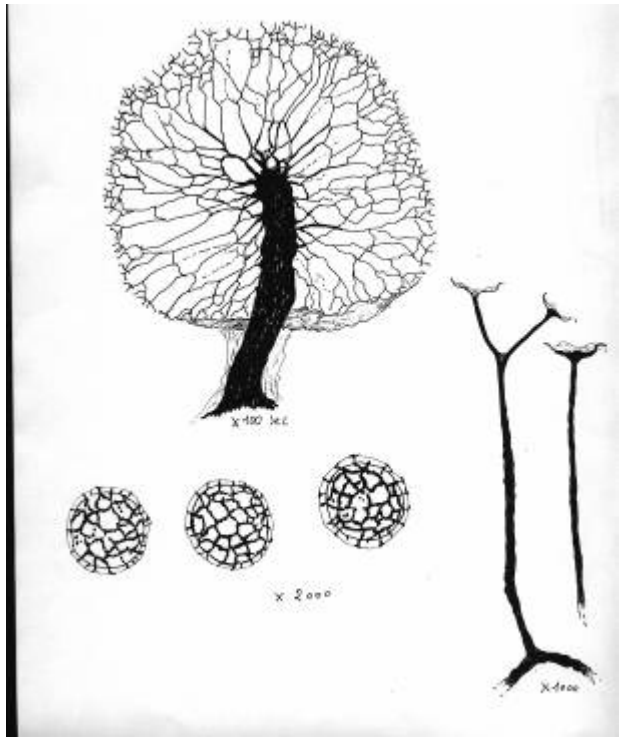
Fig. 2. — ***Stemonitis carestiae*** Ces. et De Not., holotype. (a) extrémités en entonnoir du capillitium, (b) spores mesurant 10,5–13 µm (50 spores

Meriderma cribrarioides ad int *= Lamproderma cribrarioides*

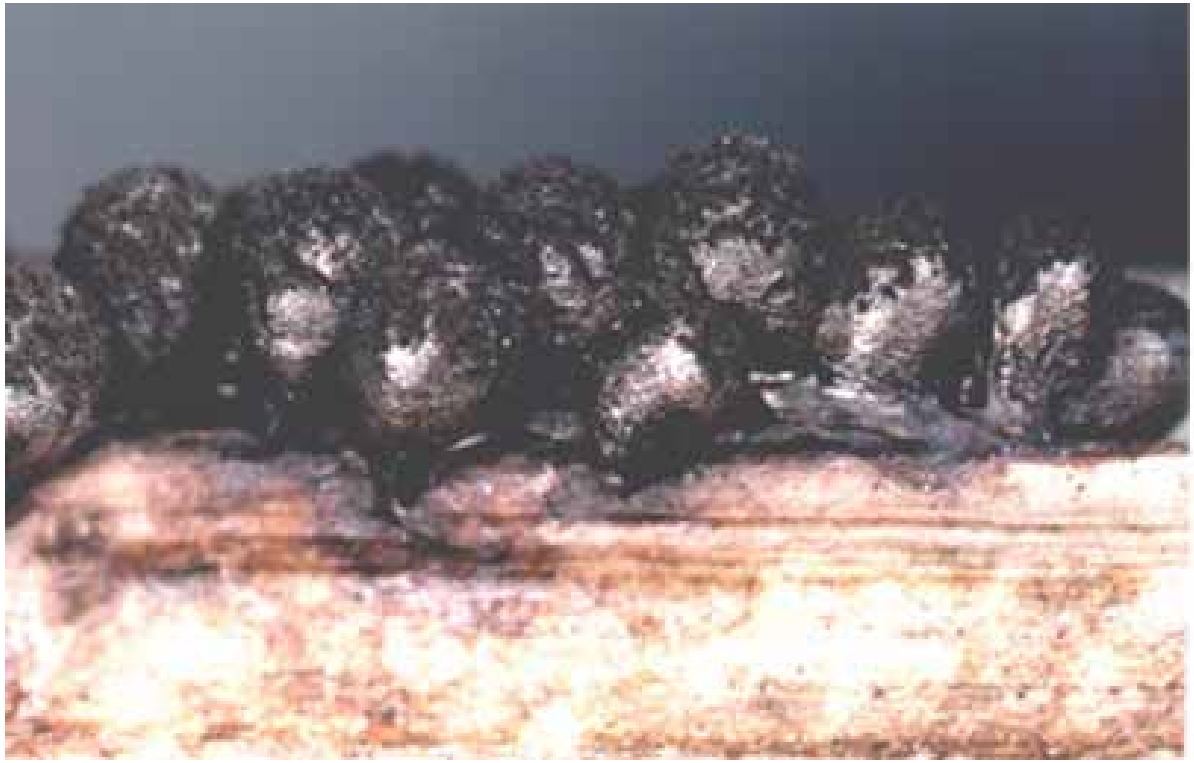


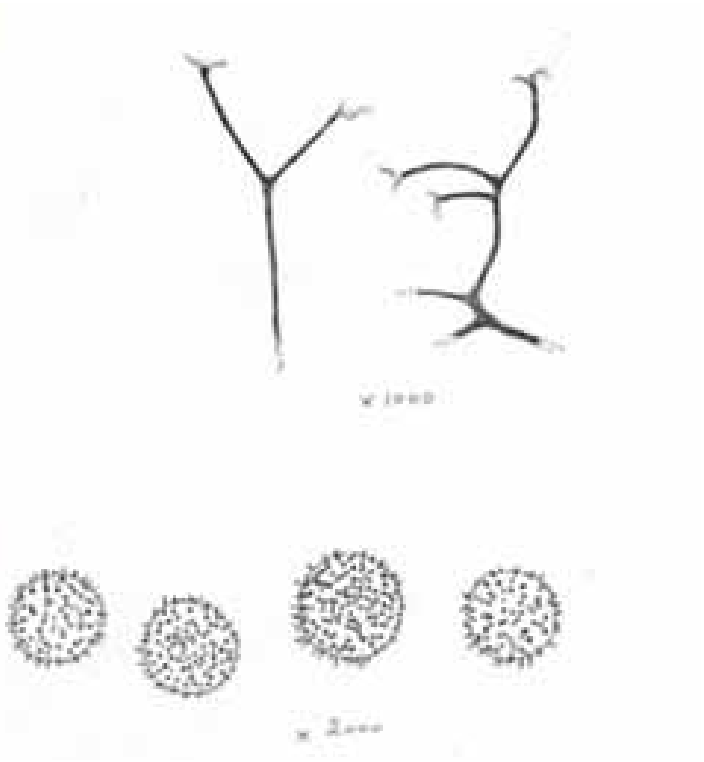
Figs. 27-30: *Lamproderma cribrarioides* (AH 18936). 27: Sporocarp, 2
Capillitium. 29-30: Spore and detail of spore ornamentation.



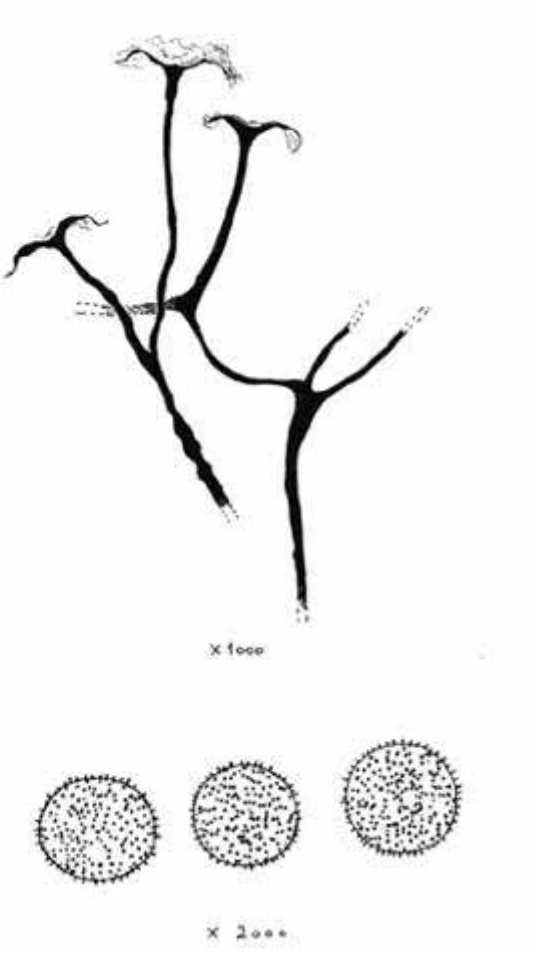


Meriderma echinulatum = *L. atrosporum* var. *echinulatum Meyl.*





Meriderma spinulosporum ad int



Physarum albescens Ellis ex T.Macbr.

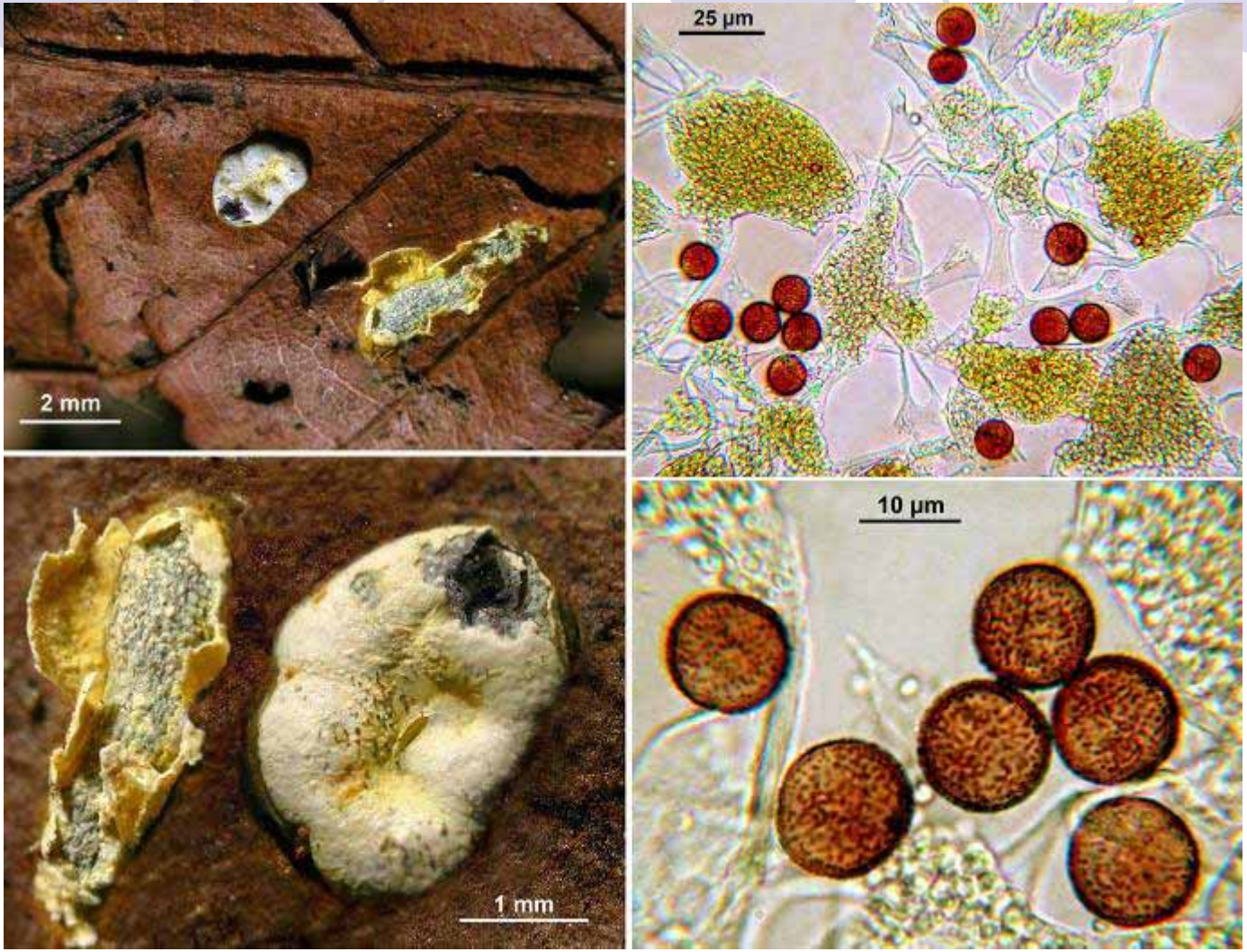
AM 243 Les Arcs 2000 le 23-5-2001

AM 545 Italie (CN) SANTA ANNA Vallone Santa Anna di Vinadio alt. 1800m le

11 05 2002

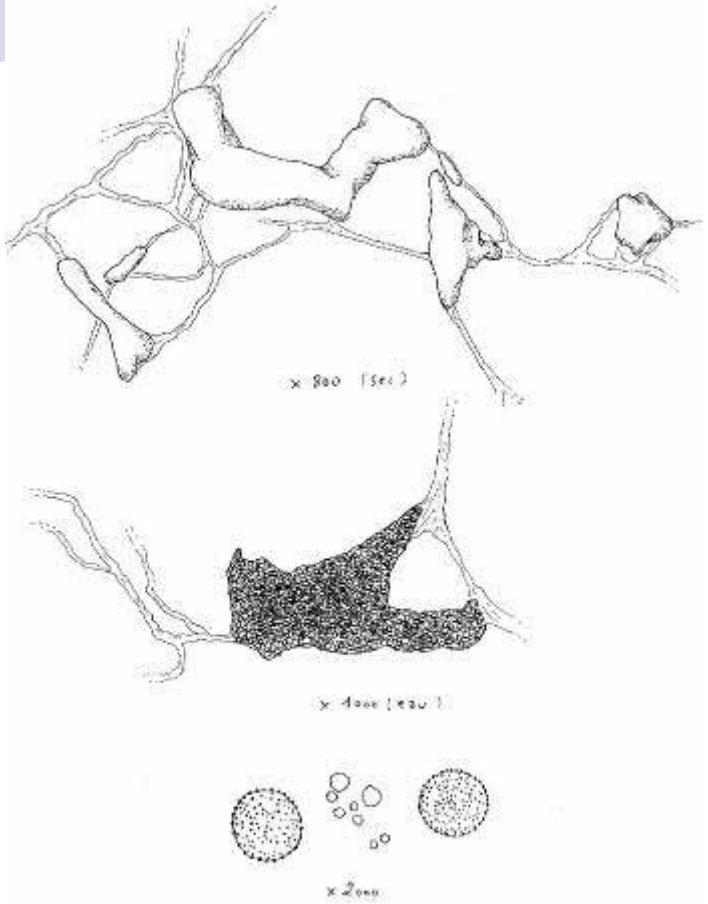
Photos A. Michaud

Physarum alpestre Mitchel, S.W.Chapm.& M.L.Farr



Herbier et photos J.L. Cheype

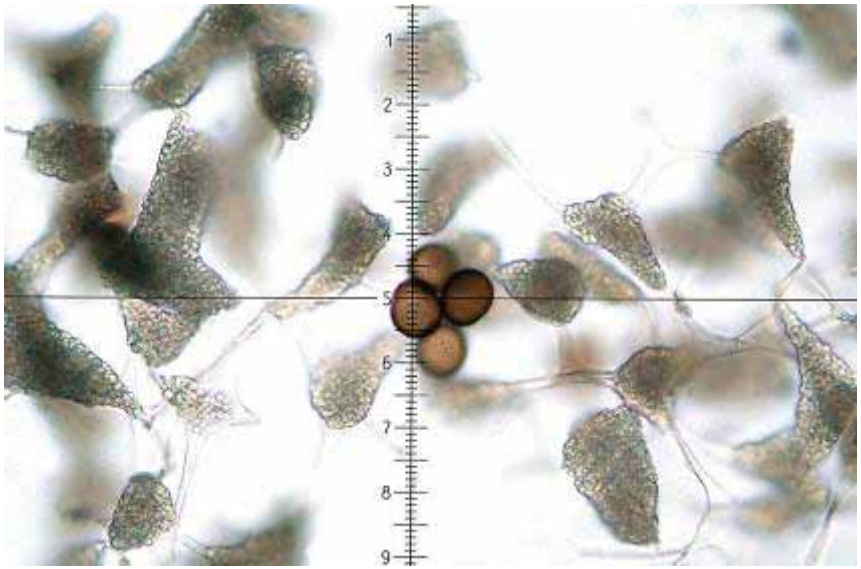
Physarum alpinum *(A.& G.Lister) G.Lister*



MM 5145 Grand Colombier-Prés

Revèle,(1) alt. 1300m le 17-04-1988

Physarum vernum Sommerf.



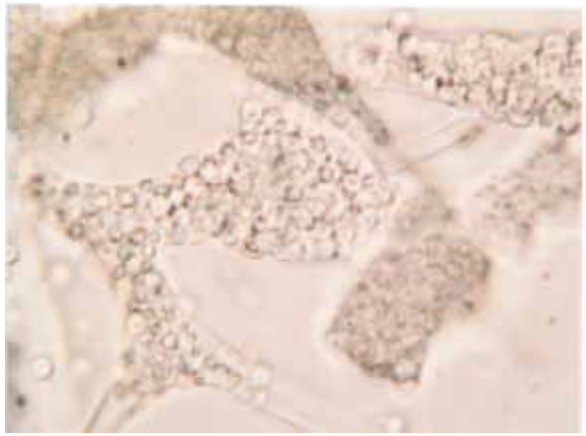
AM 1100 FLAINE Combe Vernant (74) alt. 1740 m
le 24 05 2004

Photos A. Michaud

Physarum vernum f. *parvisporum*

H.Sing.,G.Moreno,Illana

Isotype, Madrid, Puerto Navacerrado
18-4-1996 nivicole sur Poacea



Photos M. Poulain

Groupe de *Physarum vernum*

Trois taxons (types)

1) *Physarum vernum* f. *parvisporum* Singer, G Moreno, Illana

ISOTYPE AH. 22 215 (MM 29664 → Lam. MP P. 68 et 52)

- Spores : 9,5 - 12 (- 13) µm m.a. = 10,55 µm.

× 2 000

2) *Physarum vernum* f. *vernum* Sommerf. in Fries

HOLOTYPE B (MP Lame P. 66)

- Spores : (11-) 12,5 - 14 (- 15,5) µm m.a = 13,16 µm.

× 2000

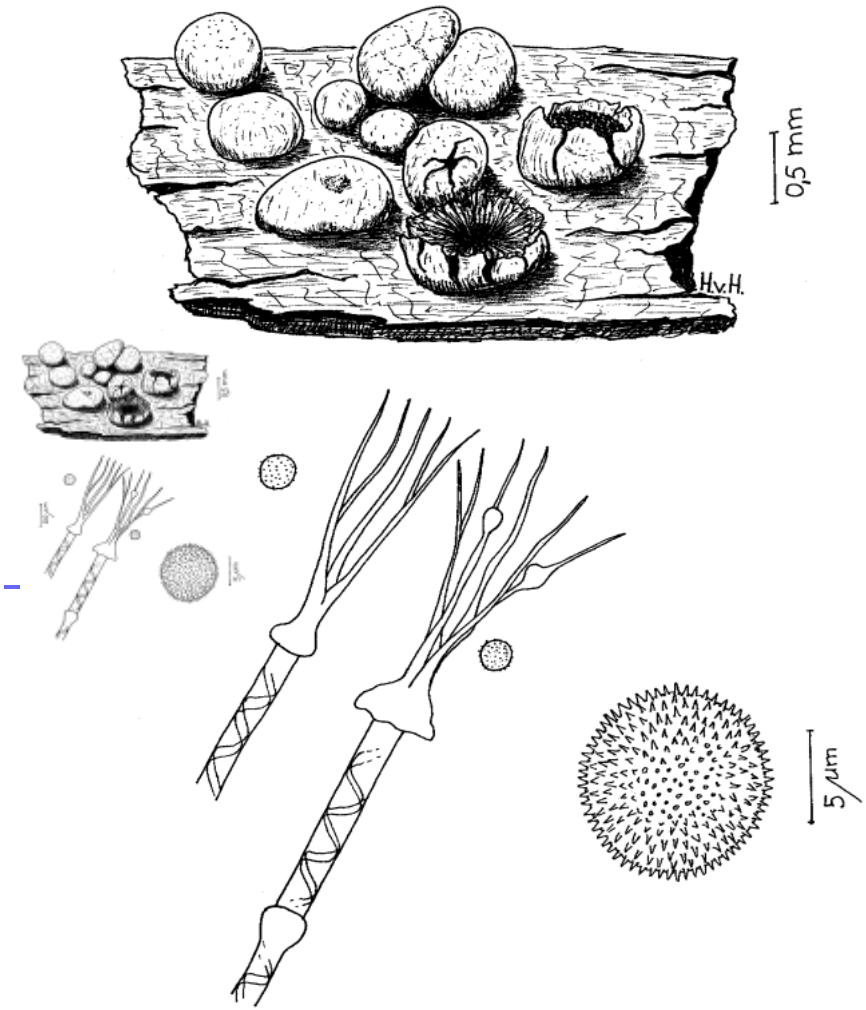
3) *Badhamia franicea* var. *nivalis* Meyl.

LECTOTYPE (MM. 6780 → Lam. MP. 5.5)

- Spores 11 - 12,5 (- 13) µm m.a = 11,85 µm.

× 2000

Prototrichia metallica (Berk.) Massee

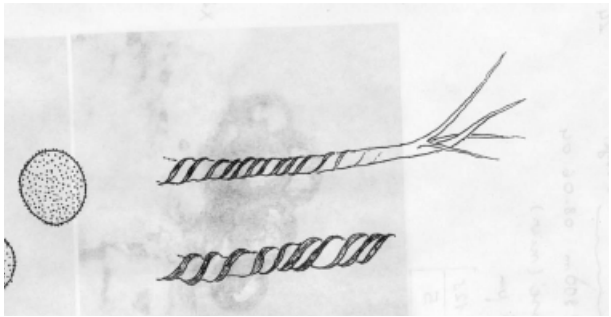


Nannenga_Bremekamp

specimen data *071236,38*

AM 294 ESSERTS-BLAY (73) alt. 1600m le 26-05-2001-

Prototrichia schroeteri Meyl



Prototrichia Schröteri spec. nov.

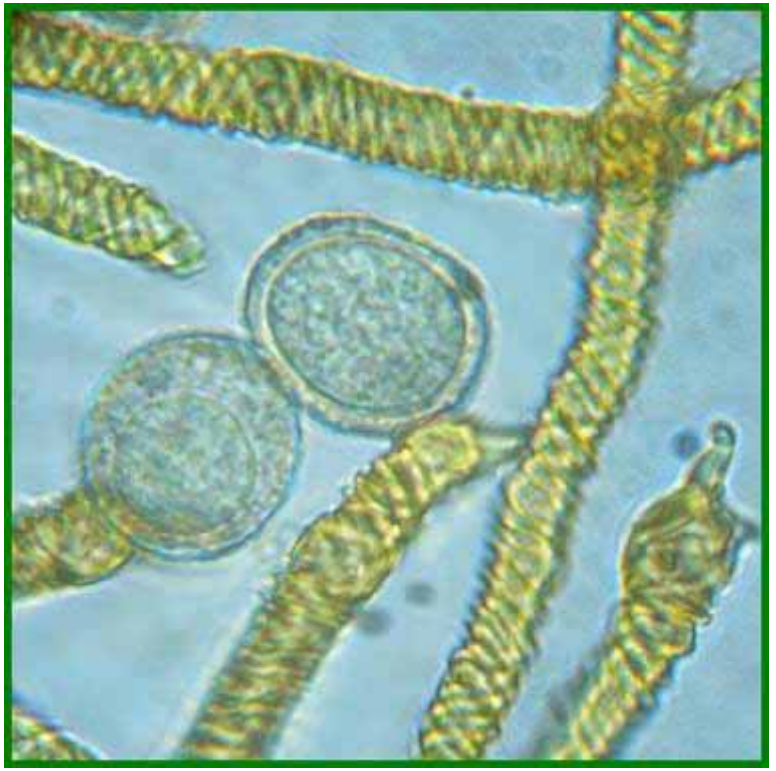
Plasmodium ? Sporanges globuleux de 1 à 1 ½ mm. de diamètre, brun clair, brillants, irisés, et ayant l'aspect de ceux des Licea lobata et jurensis ; portés par un stipe de ½ à 1 mm., solide, brun. Peridium membraneux translucide, non adhérent au capillitium, s'ouvrant irrégulièrement à la maturité et flottant en longs fragments autour de la base du sporange. Capillitium dense, fixé très solidement au sommet du stipe et gardant la forme du sporange après la chute du peridium ; filaments d'un brun violet foncé ou pâle, incolores à l'extrémité des ramuscules, ramifiés, anastomosés et formant un réseau ou feutrage persistant. Spires tantôt très nettement marquées, tantôt plus ou moins distinctes. Spores jaune ochracé pâle de 10 à 12 μ, finement spinuleuses. Maturité juin-juillet.

Sur le bois mort dans les forêts de la région de l'Ofen (Parc National) 1800-2000 m., juillet 1920.

Je me fais un plaisir de dédier cette nouvelle espèce à M. le professeur-docteur C. Schröter, président de la Commission pour l'étude scientifique du Parc National.

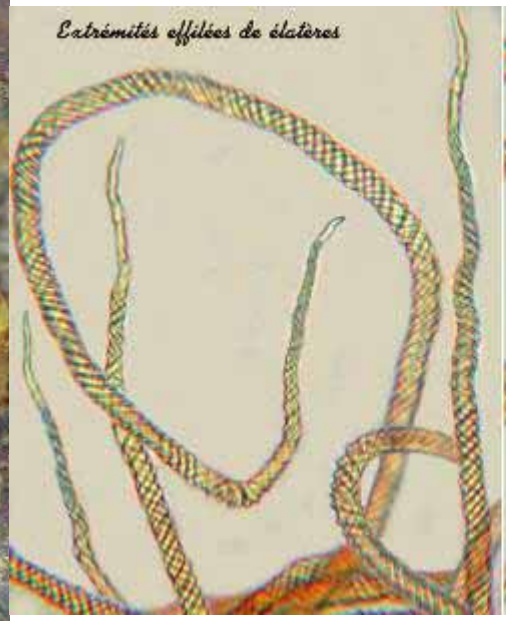
Le *Prototrichia Schröteri* diffère du *P. metallica* par ses sporanges bruns, tous pédicellés, alors que parmi les centaines de sporanges du *P. metallica* que j'ai eu l'occasion de rencontrer, je n'en ai jamais vu un seul qui ne soit sessile ; par son peridium non adhérent au capillitium et n'en emportant pas de fragments ; par son capillitium dense, persistant, très solidement fixé au sommet du pédicelle, et gardant après la chute du peridium la forme du sporange ; par la couleur de ses spores ; enfin par l'époque de maturité de ses sporanges : le *P. metallica* mûrissant les siens en octobre-novembre dans la montagne.

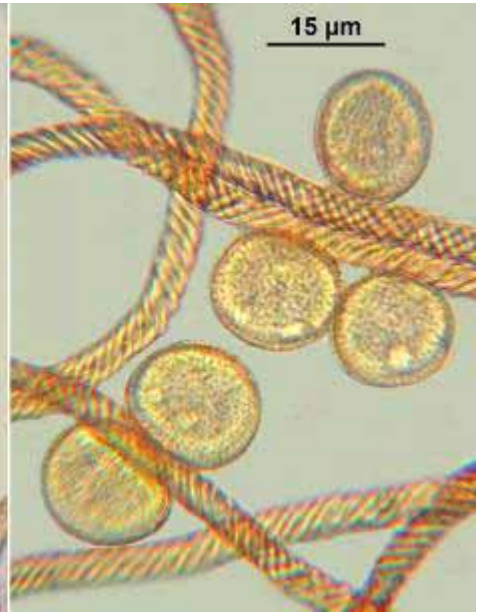
Trichia alpina (R.E.Fries) Meyl.



Herbier et photos R. Cainelli

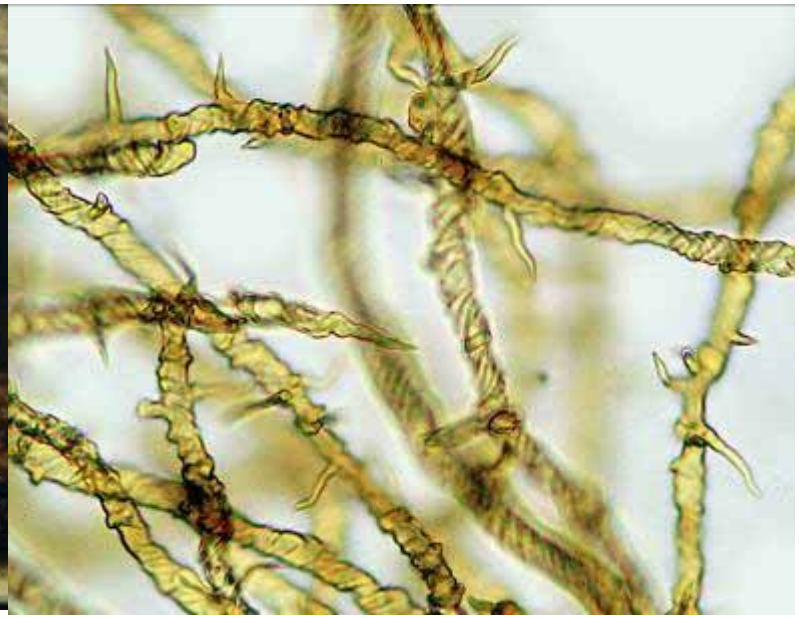
Trichia sordida Johannesen





MM 35019 Essert-Blay (73) à 1330 m, le 4/04/2005.
Photos J.L. Cheype

Trichia sordida var. *sordidoides* Illana & G.Moreno



AM 1103 FLAINE Combe Vernant (74) alt. 1740m
le 24-05-2004 Photo A. Michaud