

THE SPECIMENS OF *HYSTERIUM LINEARE* (HYSTERIACEAE, ASCOMYCOTA) IN THE FARLOW CRYPTOGAMIC HERBARIUM*

LAURA EMMA LORENZO¹ y MARÍA INÉS MESSUTI^{1,2}

Summary: Fourteen specimens identified as *Hysterium lineare* Fr. in Farlow Herbarium (FH) were examined during a study of some hysteriaceous Ascomycota. This analysis revealed that the collections belong to the genera: *Gloniella*, *Gloniopsis*, *Glonium*, *Hysterium*, *Hysterographium*, and *Mytilinidion*. This article comprises a list of current names arranged alphabetically, with collection data and some comments about the identifications.

Key words: Ascomycota, Hysteriaceae, Mytilinidaceae, Herbarium FH.

Resumen: Los especímenes de *Hysterium lineare* (Hysteriaceae, Ascomycota) en el Herbario Criptogámico Farlow. Durante el estudio de algunas especies de Ascomycota con histerotecios, se examinaron catorce especímenes del Herbario Farlow (FH) identificados como *Hysterium lineare* Fr. Este análisis reveló que las colecciones corresponden a los géneros: *Gloniella*, *Gloniopsis*, *Glonium*, *Hysterium*, *Hysterographium* y *Mytilinidion*. Este artículo presenta una lista de los nombres actuales de las especies ordenadas alfabéticamente, con los datos de colección y algunos comentarios sobre las identificaciones.

Palabras clave: Ascomycota, Hysteriaceae, Mytilinidaceae, Herbario FH.

In the course of our works about southern South America species of hysteriaceous Ascomycota (Messuti & Lorenzo, 1997, 2003, 2007 in press; Lorenzo & Messuti, 1998, 2005) we ask FH for the type material of *Hysterium lineare* Fr. Because of the type material was not in the Herbarium, the Assistant Curator offered and sent in loan, fourteen specimens identified as *H. lineare*.

The material was studied and revealed that there were misidentifications. The aim of this contribution is to present a list of current names with authors of those specimens and collection information (if it was available in envelopes and labels) of the material examined and some comments about the identifications.

Names of genera and species have been updated as far as feasible. Family names follow Ainsworth & Bisby's Dictionary of the Fungi (Kirk *et al.*, 2001). The list of the collections was arranged alphabetically, preceded with data of identification registered by the

*Trabajo publicado en homenaje a la Dra Irma J. Gamundi en conmemoración de su 80° aniversario.

¹Departamento de Botánica, Centro Regional Universitario Bariloche, Universidad Nacional del Comahue, Quintral 1250, R8400 FRF, San Carlos de Bariloche, Río Negro, Argentina.

²CONICET.

Herbarium.

The Species:

FAM. HYSTERIACEAE

GLONIELLA Sacc., Syll. fung. (Abellini) 2: 765 (1883).

Blake (640): *Gloniella aff. graphidoidea* Rehm (Fig. 1 A).

USA. Maine. *Lign. Mali*, 1859, Blake (640), Harvard University Herbaria, Curtis folder 409-410 (FH).

Sprague (679): *Gloniella aff. graphidoidea* Rehm (Fig. 1 B).

USA. Mass. *In Quercu*, V.1856, Sprague (679), Harvard University Herbaria, Curtis folder 409-410 (FH).

Comments: *Gloniella graphidoidea* Rehm was originally described growing on *Pteris aquilina*, from France. Both FH collections (Blake 640, Sprague 679) agree with the description by Zogg (1962) except in the dimensions of both the asci (100-106 x 16-20 µm) and the broad of ascospores (8 µm).

GLONIOPSIS De Not., G. bot. ital. 2 (2): 12 (1847).

Ex Herb. Ellis from Joseph Blake: *Gloniopsis praelonga* (Schwein.) H. Zogg (Fig. 1 D).

USA. Wills ?, Me.? (FH). There is no more

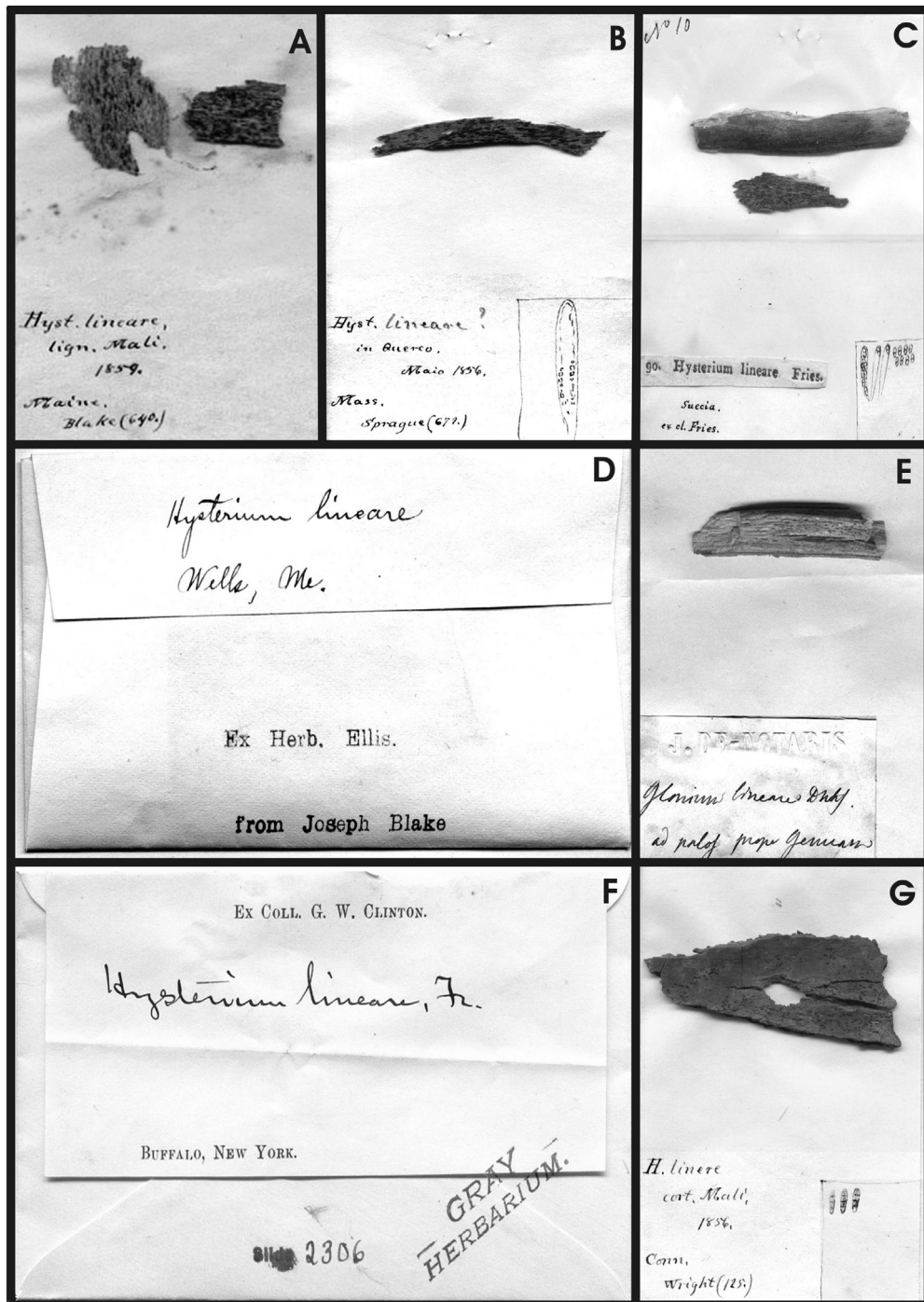


Fig. 1. A. *Gloniella* aff. *graphidoidea* [Blake (640)]. B. *Gloniella* aff. *graphidoidea* [Sprague (679)]. C. *Glonium lineare* (Suecia ex cl. Fries). D. *Gloniopsis praelonga* (Ex Herb. Ellis from Joseph Blake). E. *Glonium lineare* (Without references—J. De Notaris). F. *Glonium lineare* (Ex Coll. G.W. Clinton - Gray Herbarium). G. *Hysterium angustatum* [Wright (125)].

information in the envelope.

(Fig. 1 C).

GLONIUM Mühl., Cat. Pl. Amer. Sept.: 101 (1813).
Suecia ex cl. Fries: *Glonium lineare* (Fr.) De Not.

The information available in the envelope is: «90.
Hysterium lineare Fr. Suecia ex cl. Fries» and
 «Fries Scleromyceti Suecia ex Curtis»

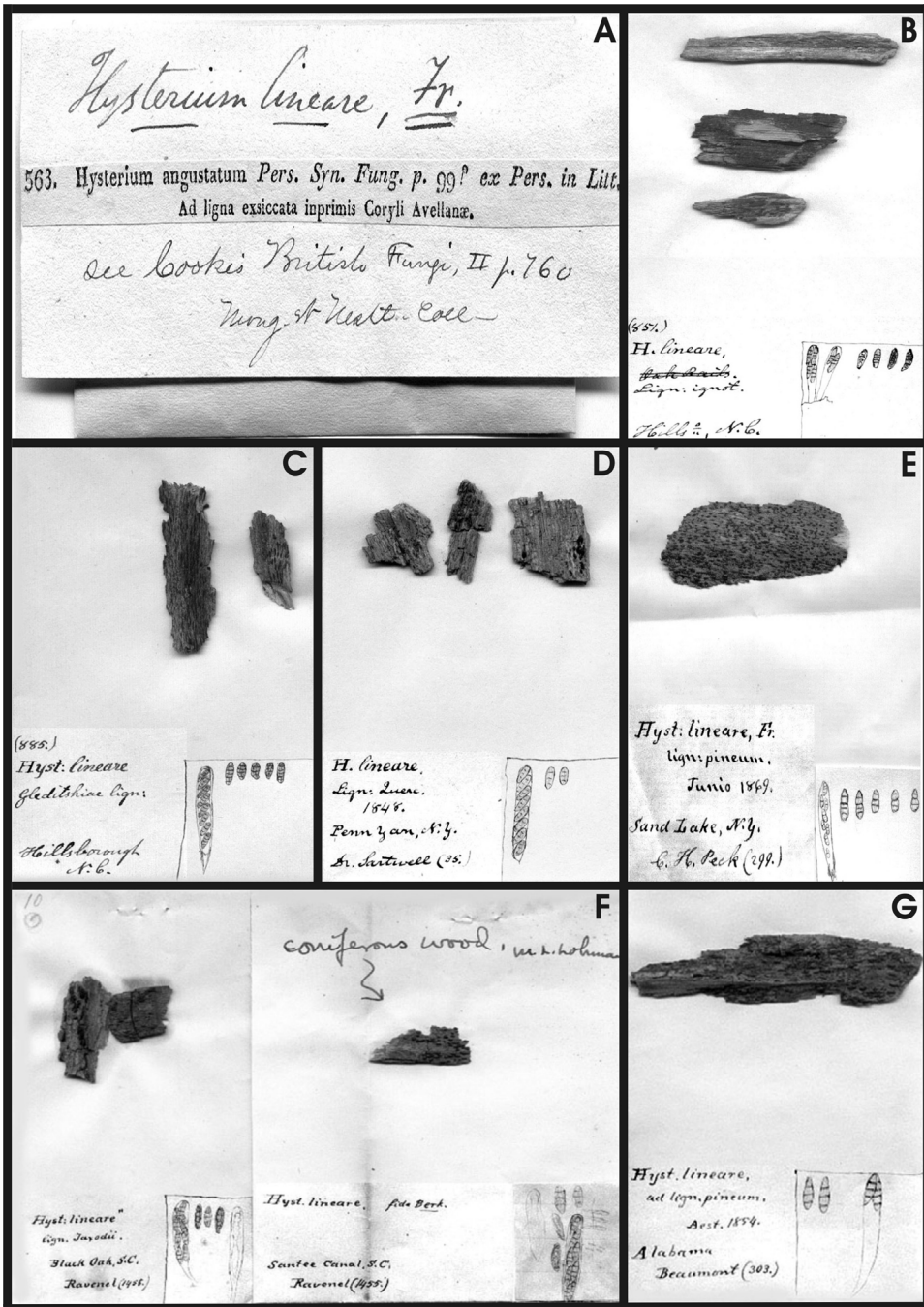


Fig. 2. A. *Glonium lineare* (Without references). B. *Hysterium insidens* (851). C. *Hysterographium mori* (885). D. *Hysterographium mori* [Sartwell (35)]. E. *Hysterographium mori* [Peck (299)]. F. *Mytilinidion thujarum* [Ravenel (1455)]. G. *Mytilinidion thujarum* [Beaumont (303)].

Ex Coll. G.W. Clinton - Gray Herbarium: *Glonium lineare* (Fr.) De Not. (Fig. 1 F).

USA. Buffalo, New York (FH). Slide n° 2306 not included in the envelope.

Without references: *Glonium lineare* (Fr.) De

Not. (Fig. 2 A).

There are not collections records. The only information available in the envelope is: «563. *Hysterium angustatum* Pers. Syn. Fung. p. 99? ex Pers. in Litt. Ad ligna exsiccata inprimis Coryli

Avellanæ au Cookis British Fungi, II p 760. Mong. sb Malt. Coll.»? (FH).

Without references– J. De Notaris: *Glonium lineare* (Fr.) De Not. (Fig. 1 E).

Ad palus prope Genuam, Harvard University Herbaria Curtis folder 409-410 (FH).

HYSTERIUM Pers., Tent. disp. meth. Fung.: 5 (1797).

Wright (125): *Hysterium angustatum* Alb. et Schwein. (Fig. 1 G).

USA. Conn. Cort. Mali, 1856, Wright (125), Harvard University Herbaria Curtis folder 409-410 (FH).

(851): *Hysterium insidens* Schwein. (Fig. 2 B).

USA. N.C., Hillsborough. *Lign. ingot.* (851), Harvard University Herbaria Curtis folder 409-410 (FH).

HYSTEROGRAPHIUM Corda, Icon. fung. (Abellini) 5: 34, 77 (1842).

(885): *Hysterographium mori* (Schwein.) Rehm (Fig. 2 C).

USA. N.C., Hillsborough. *Gleditsiæ lign.* (885), Harvard University Herbaria Curtis folder 409-410 (FH). Slide n° 2405, in good condition.

Sartwell (35): *Hysterographium mori* (Schwein.) Rehm (Fig. 2 D).

USA. N.Y., Penn Yan. *Lign. Querc.* 1848, Sartwell (35), Harvard University Herbaria Curtis folder 409-410 (FH).

Peck (299): *Hysterographium mori* (Schwein.) Rehm (Fig. 2 E).

USA. N.Y., Sand Lake. *Lign. pinneum*, VI.1869, Peck, C. H. (299), Harvard University Herbaria Curtis folder 409-410 (FH).

FAM. MYTILINIACEAE

MYTILINIDIUM Duby, Mém. Soc. Phys. et Hist. Nat. Genève 16: 34 (1861).

Ravenel (1455): *Mytilinidium thujarum* (Cooke & Peck) Lohman (Fig. 2 F).

There are two specimens with the same collection number in the envelope:

USA. S.C., Black Oak. *Lign. Taxodii*, Ravenel

(1455), Harvard University Herbaria Curtis folder 409-410 (FH). Slide n° 2404, in bad condition.

USA. S.C., Santee Canal, Ravenel (1455), Harvard University Herbaria Curtis folder 409-410 (FH). This collection was revised by Lohmann.

Beaumont (303): *Mytilinidium thujarum* (Cooke & Peck) Lohman (Fig. 2 G).

USA. Alabama. *Ad lign. pinneum*, Aest.1854, Beaumont (303), Harvard University Herbaria Curtis folder 409-410 (FH).

ACKNOWLEDGMENTS

We wish dedicate this work to Dra. Irma J. Gamundi de Amos for her human quality, educational vocation and permanent stimulus. We are grateful to the Assistant Curator of FH for the loan of material. Funds for this research were provided by grant B04-118 from Universidad Nacional del Comahue and PIP 5270 CONICET.

BIBLIOGRAPHY

- KIRK, P. M., P. F. CANNON, J. C. DAVID & J. A. STALPERS. 2001. *Ainsworth & Bisby's Dictionary of the Fungi*. 9th ed. International Mycological Institute, CAB International, London.
- LORENZO, L. E. & M. I. MESSUTI. 1998. Noteworthy Hysteriaceae from Southern South America. *Mycol. Res.* 102: 1101-1107
- LORENZO, L. E. & M. I. MESSUTI. 2005. *Glyphium elatum* (Ascomycota) in Patagonia (Argentina). *Bol. Soc. Argent. Bot.* 40: 13-16.
- MESSUTI, M. I. & L. E. LORENZO. 1997. A new species of *Hysterium* from Patagonia, Argentina. *Mycol. Res.* 101: 302-304.
- MESSUTI, M. I. & L. E. LORENZO. 2003. Notes on the genus *Hysterographium* (Ascomycota) in southern South America. *Nova Hedwigia* 76: 451-458.
- MESSUTI, M. I. & L. E. LORENZO. 2007. Taxonomy of *Glonium* (Hysteriales, Ascomycota) in southern Argentina and Chile. *Nova Hedwigia* 84: in press.
- ZOGG, H. 1962. Die Hysteriaceae s. str. und Lophiaceae unter besonderer Berücksichtigung der mitteleuropäischen Formen. *Beitr. Kryptogamenfl. Schweiz* 11: 1-190.
- Recibido el 15 de Noviembre de 2006, aceptado el 21 de Marzo de 2007.

