

## Some Tremellales from Finland.

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With one Textfig.

### **Dacrymyces fennicus** Lowy sp. nov.

Carposomata minuta, in humido cartilagineo-gelatinosa, pustulata, atro-brunnea, in sicco atro-fusca vel nigra, coalescentia, circa 2.5 mm lata, 0.5 mm crassa, in superficie minutissime rugulosa; basidia matura bifurcata (40—)45—56(—62)  $\times$  3—4.5  $\mu$ ; basidiosporae ovoideae vel oblongo-cylindraceae, postremo 3-septatae, (11—)13—15.5(—16.5)  $\times$  5—5.5  $\mu$ ; hyphae nodosae, 2.5—3  $\mu$  diam.; conidia subglobosa vel ellipsoidea, 2—3.5  $\times$  3—4.5  $\mu$ . Hab. ad ligna pinea.

Fructification small, pustulate, coalescing to form minutely convoluted clusters up to 2.5 mm broad and 0.5 mm high when wet; attached by a slender radicate base; SO 898 (Villalobos)<sup>1)</sup> when wet, becoming raisin-colored to blackish on drying; basidia characteristically forked at maturity, (40—)45—56(—62)  $\times$  3—4.5  $\mu$ ; hyphae smooth, 2.5—3  $\mu$  diam. with clamp connections; basidiospores curved-cylindrical with prominent apiculus, becoming 3-septate, (11—)13—15.5(—16.5)  $\times$  5—5.5  $\mu$ , the septa up to 1  $\mu$  thick; conidia subglobose to ellipsoid, 2—3.5  $\times$  3—4.5  $\mu$ . On pine wood.

Material studied: Helsinki, Lauttasari. 22—VII—1944. Leg. Viljo K u j a l a. Fungi Fennici No. 25, type. The type is deposited in the mycological herbarium of Louisiana State University, Baton Rouge.

The most striking macroscopic feature of this species is the almost black color when dry. In this respect it is like *Dacrymyces nigrescens* Lowy (1) and unusual among the species of *Dacrymyces*, which generally develop a bright pigment, some hue of red or yellow. Both basidia and basidiospores are significantly smaller in the new species and have septa that are thick and gelatinous. *D. nigrescens* was found on frondose wood, the new species on coniferous wood.

Other tremellaceous fungi from Finland recently examined and determined by the writer and almost all collected by Dr. K u j a l a, include the following.

*Arrhytidia enata* (Berk. & Curt.) Coker, *Calocera cornea* Fries, *Calocera viscosa* Fries, *Dacrymyces deliquescens* (Mérat) Duby, *Dacrymyces palmatus* (Schw.) Bres., *Dacrymyces punctiformis*

<sup>1)</sup> Villalobos, C. y J. Atlas de los colores. El Ateneo. Buenos Aires. 1947.

Neuh., *Dacrymyces Romellii* Neuh., *Dacrymyces rubiformis* (Fries) Neuh., *Dacrymyces stillatus* Fries, *Ditangium insigne* Karst., *Exidia cartilaginea* Lund. & Neuh., *Exidia glandulosa* Fries, *Exidia recisa* Fries, *Exidia repanda* Fries, *Exidia saccharina* Fries, *Exidia villosa* Neuh., *Dacrymyces stillatus* Fries, *Ditangium insigne* Karst., *Exidia*

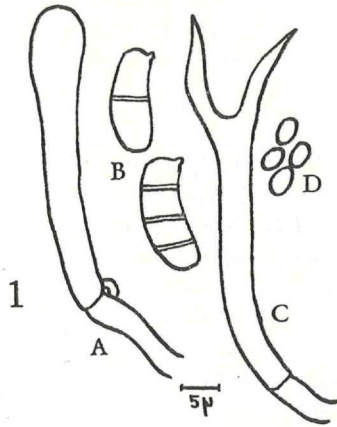


Fig. 1. *Dacrymyces fennicus*. A — Probasidium with basal clamp. B — Basidiospores. C — Mature basidium. D — Conidia.

Brasf., *Pseudohydnum gelatinosum* (Fries) Karst., *Tremella atrovirens* (Fries) Sacc., *Tremella encephala* (Pers) Fries, *Tremella foliacea* Fries, *Tremella mesenterica* Fries.

#### Literature Cited

1. Lowy, B. A new *Dacrymyces*. Bull. Torrey Bot. Club 81: 300—303. 1954.

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