



FIG. 2. *Pronectria terrestris*. A. Ascus. a. Detail of ascus apex. B. Wall of ascoma. C. Mid section of ascoma. D. Ascospores. E. Surface of ascoma. Bar = 8 μm (A, B, D, E); 100 μm (C). All in LCB.

(Ferdinandsen and Winge, 1909: 316; Lind, 1913, p. 171, in Rostrup herbarium n. 655 as *Nectria fuckelii*). These collections (not examined) are likely to be *Pronectria xanthoriae* and would extend the known distribution.

Pronectria xanthoriae is distinguished from other species of *Pronectria* by its bright orange color, long, ornamented ascospores and substrate of *Xanthoria parietina*.

***Pronectria terrestris* Lowen & Diederich, sp. nov.**

FIG. 2A–D

Ascomata globosa vel obpyriformia, 210–260 μm diam, in thallo *Thrombii* immersa, dispersa vel gregaria; papilla truncata, 60 μm lata, rosea vel luteola; paries 20 μm crassus, cellularis oblongaris 10–15 \times 2–4 μm constans. Asci clavati, 60–70 \times 8–10 μm , 8-spori, unitunicati, apice truncati, apicis annulo non-amylideo. Sporae uniseriatae, sed in medio asco biseriatae, ellipsoideae vel fusiformes, 12–17 \times 5.5–7.0 μm , 1-septatae, hyalinae, laeves, cellulis 1–2-guttulatis, guttis aurantiaciis emergentibus. Paraphyses in maturitate desunt.

HOLOTYPE: LUXEMBOURG. City of Luxembourg, W Zwickau (M8.25.42), between railroad tracks,

soil covered with algae, bryophytes, and lichens, on *Thrombium epigaeum* (Pers.) Wallr., 5 Aug 1987, P. Diederich 8362 & G. Marson (NY; ISOTYPE Herb. Diederich).

ETYMOLOGY: The specific epithet refers to the terrestrial location of the host lichen *Thrombium*.

ANAMORPH: not known.

HABITAT: *Thrombium*, on soil.

DISTRIBUTION: Luxembourg; known only from the type.

Ascomata globose to obpyriform, 210–260 μm diam, immersed, scattered or in groups 3–5, non-stromatic, papilla truncate to slightly rounded, 60 μm wide, very pale red to yellowish, not changing color in KOH; collapse not observed. Surface of perithecium of indistinct angular cells, 10 μm diam. Perithecial wall 20 μm wide, delicate, of one region: cells elongate to angular, 10–15 \times 2–4 μm near the centrum, becoming rounder, 6–10 μm diam toward the outside. Perithecial apex formed of rows of vertically elongated cells continuous with the inner region of the perithecial wall, cells becoming increasingly narrow and merging with the paraphyses. Asci clavate, 60–

70 × 8–10 µm, 8-spored, unitunicate, apex truncate, containing a non-amyloid apical ring, ascospores biseriate in the middle, uniseriate above and below, filling the ascus. Ascospores ellipsoid to ovoid, 12–17 × 5.5–7.0 µm, 1-septate, septa often appearing angular, colorless, smooth, often 1–2 orange guttules per cell, sometimes germinating in the centrum, L/W 2.3. Centrum contents appearing slightly brown, orange oily drops emitted from crushed perithecia. Paraphyses not seen.

Pronectria terrestris is easily seen as reddish spots when moist, but becomes extremely difficult to find when it is dry. This is the only *Pronectria* found on *Thrombium*. *Pronectria terrestris* has a globose fruitbody similarly structured to *Nectriella anisospora* from which it may be distinguished by its pale color, perithecia which lack hairs and the smooth, equally celled, ellipsoid to ovoid ascospores.

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Key Words: Hypocreales, lichenicolous, *Nectriella*, *Pronectria*, *Thrombium*, *Xanthoria*.

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