

*Guepiniopsis buccina*

(Pers.) L.L. Kenn.

Figures 1–5

*Peziza buccina* Pers. 1801 [12 : 2: 659] ≡ *Helotium buccinum* (Pers.)  
Fr. 1849 [2 : 355] ≡ *Phialea buccina* (Pers.) Quél. 1883 [15 : 407] ≡  
*Guepiniopsis buccina* (Pers.) L.L. Kenn. 1959 [4 : 888]

= *Peziza merulina* Pers. 1822 [13 : 1: 279] teste McNabb [9] ≡ *Guepinia  
merulina* (Pers.) Quél. 1884 [16 : 507] ≡ *Guepiniopsis merulina* (Pers.)  
Pat. 1887 [11 : 159] ≡ *Ditiola merulina* (Pers.) Rea 1922 [17 : 743]

= *Guepinia peziza* Tul. 1853 [21 : 224] teste McNabb [9]

= *Guepinia tubiformis* Fuckel 1870 [3 : 30] teste McNabb [9]

= *Guepinia cochlearis* Quél. 1875 [14 : 547] teste McNabb [9]

= *Peziza exarata* Berk. 1875 [1 : 160] teste McNabb [9] ≡ *Phialea exarata*  
(Berk.) D. Sacc. 1889 [19 : 268] ≡ *Hymenoscyphus exaratus* (Berk.)  
Kuntze 1898 [6 : 485]

= *Guepinia crenata* Lloyd 1922 [7 : 1152] teste McNabb [9]

= *Guepiniopsis tortus* Pat. 1883 [10 : (1) : 62] teste McNabb [9]

**Basidiome** pileate, stipitate, scattered or gregarious, caespitose, often fused one another, firm-gelatinous, ceraceous to corneous when dry, yellowish to orange, becoming orange-red when dry.

**Hymenium** smooth or almost so, continuous, confined to the interior of the cup.

**Pileus** discoid to cupulate, 1–5 mm across, 1–4 mm high.

**Margin** of pileus entire, smooth, rounded to almost sharp.

**Stipe** central, up to 5×0.5 (1) mm, sometimes rooting and longer, cylindrical, wider at the base of the cup, concolorous or slightly darker toward the base, becoming longitudinally ridged and often brownish on drying.

**Hyphal system** monomitic; all hyphae with simple septa.

**Context hyphae** regular, straight, infrequently branched, (1) 1.5–3.5 (4)  $\mu\text{m}$  in diam., sometimes with intercalary swellings up to 8  $\mu\text{m}$  wide, thin to thick-walled, hyaline.

**Surface of pileus and stipe** covered by a 20–50  $\mu\text{m}$  thick palisade of chained cells, each cell subglobose to clavate or cylindrical, 4–11 (14)  $\mu\text{m}$  in diam., with very thick and stratified wall, hyaline or subhyaline.

**Cystidia** absent.

**Basidia** cylindrical, narrowly clavate, 25–50 $\times$ 4.5–6 (7)  $\mu\text{m}$ ; 2 sterigmata 15–30 $\times$ 2–4  $\mu\text{m}$ .

**Basidiospores** subcylindrical with a flattening or slightly depressed ad-axial side, some tapering toward the apiculus and eggplant-shaped, (10) 11–15 (17) $\times$ (4) 5–6 (6.5)  $\mu\text{m}$ , smooth, thin-walled, subhyaline, yellowish in spore-print; with 0–3 thin-walled septa.

**Conidia** sometimes produced by basidiospores in spore-prints (12 hours), globose to subglobose, 1–2.5  $\mu\text{m}$  across, hyaline.

**Chemical reactions:** CB–; IKI–.

**Incrustation:** most context hyphae and outer thick-walled cells densely covered by small hyaline crystals.

## Specimens examined

SWITZERLAND — **Ticino** – Bignasco, Ganne, on wood of a standing trunk of a deciduous tree, leg. E. Martini, 14.XII.1996 (em-5982) – Ritorto, Rivera (Valle Bavona), on wood of a standing, decayed trunk of *Alnus incana*, leg. E. Martini, 25.X.1987 (em-1390) – Sabbione, Caslitt (Valle Bavona), on wood of a hanging, rather hard trunk of *Alnus incana*, leg. E. Martini, 19.III.2002 (em-7923) – Sabbione, Dréom (Valle Bavona), on wood of a hard stump of *Corylus avellana*, leg. E. Martini, 20.VIII.1988 (em-1915) – San Carlo, Prèsa (Valle Bavona), on wood of a hanging, decayed trunk of *Alnus incana*, leg. E. Martini, 17.VIII.2016 (em-12927) – Sornico, on bark of a hanging, rather hard branch of *Alnus incana*, leg. E. Martini, 29.VII.2014 (em-12201)



Fig. 1: Basidiomes. Image width = 25 mm [em-12927]



Fig. 2: Basidiomes. Image width = 9 mm [em-12927]

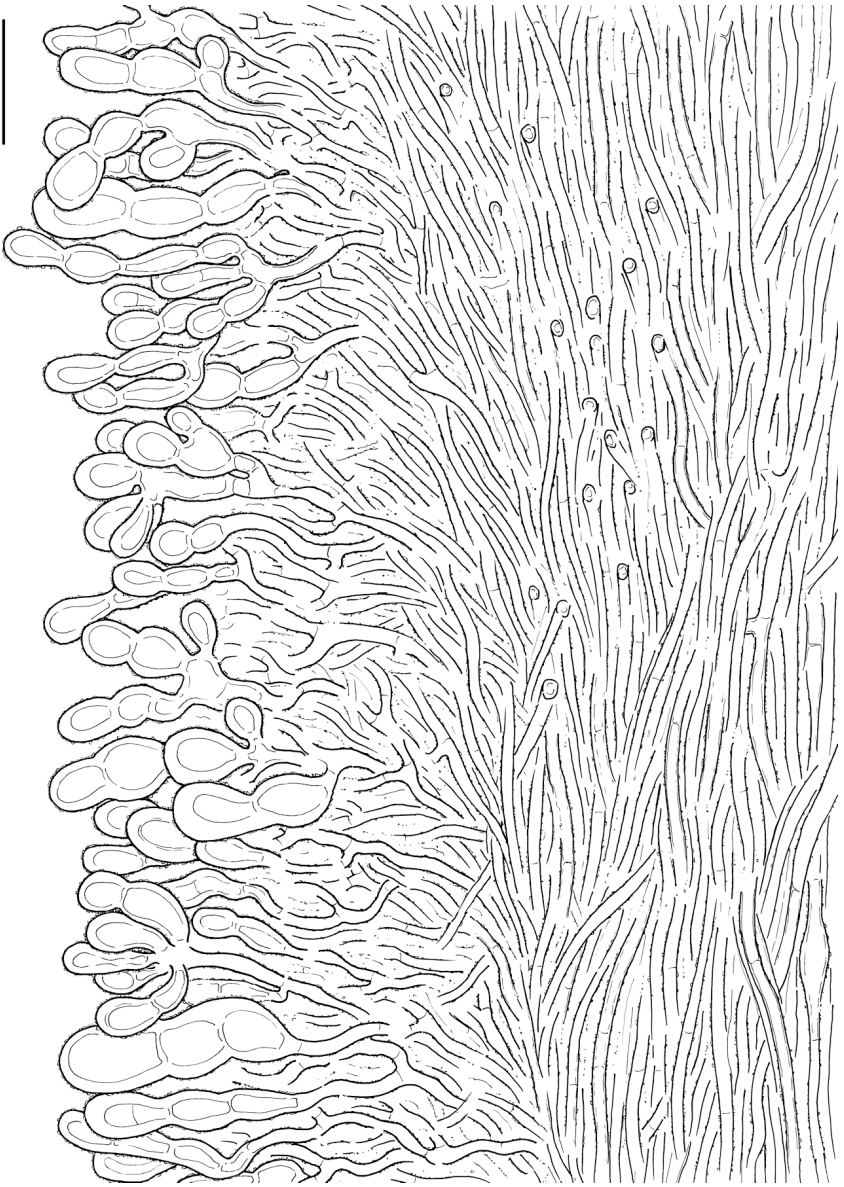


Fig. 3: Simplified section of the outer surface and context. Bar = 20  $\mu\text{m}$  [em-12927]



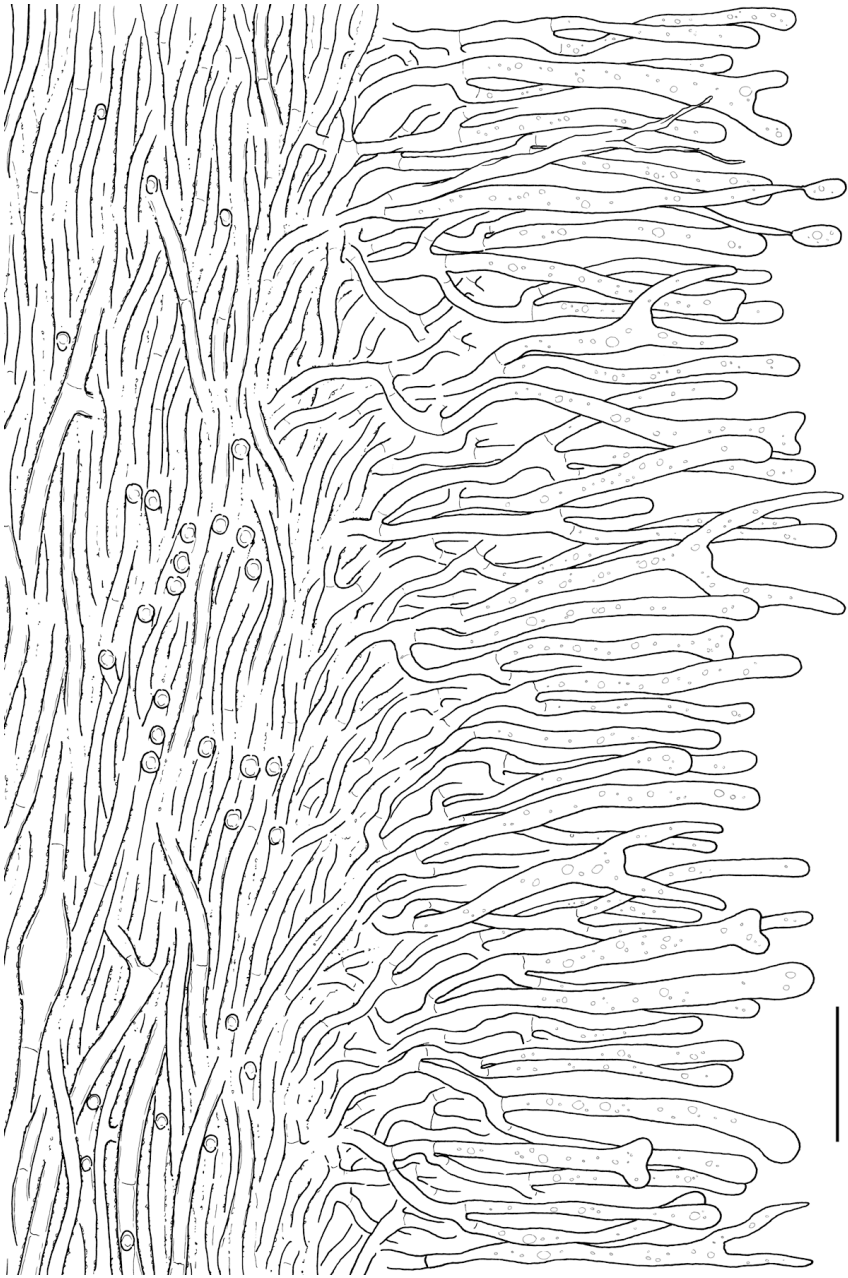


Fig. 4: Simplified section of the hymenium and subhymenium. Bar = 20  $\mu\text{m}$   
[em-12927]

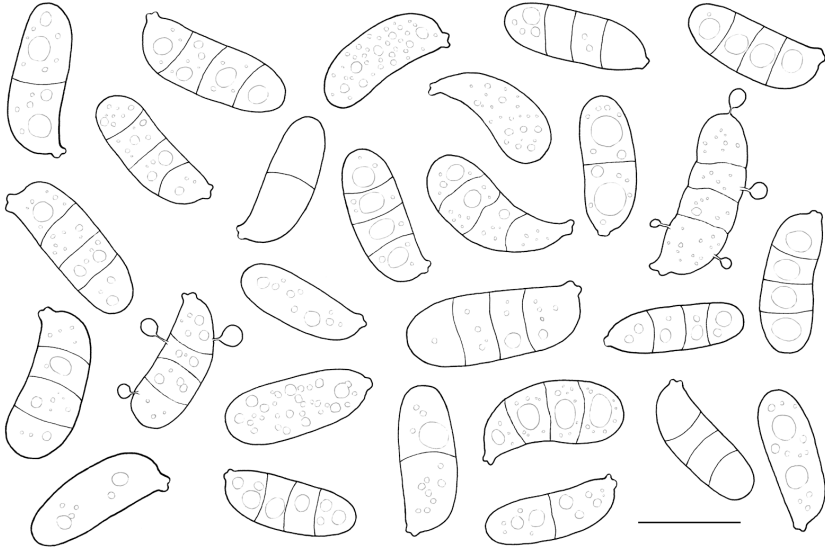


Fig. 5: Basidiospores. Bar = 10  $\mu\text{m}$  [em-12927]

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# Excerpts from *Crusts & Fells*

Descriptions and reports of resupinate Aphyllophorales and Heterobasidiomycetes

Authored and published by

ELIA MARTINI  
Via ai Ciòss 21  
CH-6676 Bignasco  
Switzerland

Email: [emart@aphyllo.net](mailto:emart@aphyllo.net)  
<http://www.aphyllo.net>



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