

paraphyses, which form an epithecium. The asci measure 50–70 \times 8–10 μ and do not color blue with iodine.

Otidea Smithii, sp. nov.⁴ (Pl. I). — Apothecia solitary or caespitose, arising from a large solid footlike base composed of mycelium intermixed with soil, elongated ear-shaped, split to the base on one side, up to 8 cm. in height, outside of the apothecium “Vandyke brown” (R.) drying “Rood’s brown” (R.), hymenium “wood brown” (R.), drying “vinaceous-buff” (R.); asci cylindrical, 100–130 \times 10 μ , 8-spored, not bluing with iodine; spores hyaline or faintly yellowish, narrowly ellipsoid, 12–14 \times 6–7 μ , containing two small oil drops; paraphyses strongly bent and hooked at their apices.

On soil under pine, Crescent City, Calif., Nov. 18, 1937. Type collected by A. H. Smith, 8843. An additional collection was made at Crescent City, Calif., Dec. 3, 1937, by A. H. Smith, 9340.

The dark brown color of the fresh apothecia at once distinguishes this species from species that become brown only on drying or in age. These specimens resemble *Otidea leporina* in general characteristics, and the two species are undoubtedly closely related, but the marked color difference and the somewhat larger stature of *O. Smithii* establish a distinct species.

PEZICULA ATROVIOLOACEA Bres. — On decaying stick in a stream, Marquette, Mich., Sept. 1, 1935, E. B. and E. E. Mains. This species is well illustrated by Bresadola (2). The paraphyses are very prominent, owing to the purplish brown coloring matter that they contain as well as to their large size and the length to which they extend beyond the asci.

PHAEOPHACIDIUM ABIETINUM Sacc. — On *Abies grandis*, Bethlehem Mine, Ida., Sept. 2, 1922, L. E. Wehmeyer. Saccardo (5) described this species from material collected at Spokane, Washington, on *Abies grandis*. Apparently the fungus is not found often. The species is well defined by the dark spores, by the branched paraphyses that form a yellowish epithecium, and by the red color of the ascus pore when treated with iodine.

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⁴ *Otidea Smithii*, sp. nov. — Apotheciis sparsis vel aggregatis, sessilibus in sclerotiformibus radicibus, auriformibus, 8 cm. altis, extus nigro-brunneis, hyemenio avellaneo; ascis cylindraceis, 100–130 \times 10 μ , octosporis, J–; ascosporis ellipsoideis, subflavis, 2-guttatis, 12–14 \times 6–7 μ ; paraphysibus filiformibus, apicibus curvatis.