

## DICRANACEAE

**Microdus papuanus** Dix. sp. nov.

*M. brasiliensi* (Duby) habitu et foliis simillimus, fructu autem sat distinctus. Theca *multo angustior*, e collo distincto *anguste elliptica* vel subcylindrica, deoperculata circa 1.5 mm. longa, vix .5 mm. lata, vetustate sub ore contracta. Peristomium *minus*, dentibus et videtur brevioribus, integris. Port Moresby, Papua, 1935; coll. C. E. Carr 12,506, **type**. Koitaki, Papua, in road cutting, circa 450 m., soc. cum *Garckea phascoides*, May, 1935; coll. C. E. Carr 12,243.

No. 12,243 was distributed as *M. brasiliensis* (Duby) Fleisch., on my determination, by Verdoorn (Musci Selecti et Critici, No. 189); it agrees with that species vegetatively altogether; the fruit was very sparse and in poor condition. The later gathering, however, showed the fruit in good condition, and it was at once obvious that it could not be referred to Duby's plant, *M. pomiformis* (Grif.) Besch., where the capsules are turgidly ovate or subglobose. Here they are constantly markedly elliptic or fusiform, the collum is very distinct, and the peristome seems to be less developed. Fleischer describes the teeth as "nicht langsgestreifte," but he figures them as indistinctly striolate, which is the case also here.