

Brachionidium longicaudatum A. & S., sp. nov. Herba pusilla, epiphytica. Radices crassae. Rhizoma prorepens, vaginis tubulatis caudatis dense vestitum. Caules minuti, monophylli. Folium ellipticum, apiculatum, subtus rubrum. Pedunculi singuli, folia superantes, filiformes. Flos parvus. Perianthii segmenta ovata cum longis caudis, in medio ciliolata. Labellum valde sigmoideum, parte inferiore convexa pubescente, parte apicale triangulare, acuta, concava. Gynostemium crassum.

Plant very small but with stout glabrous roots. Rhizome creeping, concealed by approximate or imbricating tubular sheaths with conspicuous spreading long-acuminate or caudate apices. Stems minute, monophyllous, entirely concealed by 2 imbricating tubular sheaths with abruptly long-acuminate or caudate tips. Leaf elliptic, spreading, 7.5–11.5 mm. long, about 3.5–4 mm. wide, rigid, apiculate, coriaceous, very shortly petioled. Peduncle solitary 1-flowered, much exceeding the leaf, 1.5–1.6 cm. long, filiform, provided above the middle with a single loose tubular abruptly caudate sheath. Ovary clothed at base with a similar infundibuliform sheath. Flower small. Perianth-segments caudate, ciliolate in the middle of each side. Dorsal sepal ovate with long caudate apex, 9.5–9.8 mm. long, 3–3.4 mm. wide near the base, 3-nerved. Lateral sepals connate nearly to the apex, lamina very similar to the dorsal sepal but a little broader, 3.2–4 mm. wide, 5-nerved with 2 long prominent nerves. Petals lanceolate-ovate with long caudate apex, 8.2–8.7 mm. long, about 2 mm. wide, slightly oblique. Labellum minute, closely sigmoid in natural position, entire and lanceolate-oblong when forcibly spread out; basal portion quadrate, convex, pubescent, 3-nerved, terminating in a fleshy transverse obscurely bilobed callus; terminal third concave with triangular acute upturned apex, lower margins fleshy-thickened. Column stout with dentiform erect arms.

6500 ft., 682; small, epiphytic, capsules red, leaves red beneath. *Brachionidium longicaudatum* is apparently most nearly allied to *B. parvum* Cogn. but differs in its distinctive lip. The description is drawn from a small specimen with flowers in an advanced state of development. The specific name is in allusion to the sheaths, bracts, sepals, and petals. *Bull. Ton. Bot. Club.* 58 (1931) 348