

Perenne, stoloniferum, undique glabra, stolonibus brevibus. *Culmi* adscendentes, graciliusculi, 9–18 poll. longi, supra paucifoliati. *Folia* tenuia, lævia vel margine leviter scabrida, plana, basi latiuscula (2–2½ lineas), acutissima, absque-vagina 1–3 poll. longa, in loco ligulæ ciliolata. *Paniculæ* compactæ, 1½–3 poll. longæ, $\frac{3}{4}$ –1½ poll. latæ, longiuscule pedunculatæ; spiculæ breviter graciliterque pedicellatæ, 2-floræ, cum aristis 7–8 lineas longæ. *Flores* hermaphroditi, basi pilosuli; glumæ scariosæ, uninerviæ, 2 exteriores lanceolatae, longe acuminatæ vel pseudoaristatæ, carinatæ, secus carinam leviter scabridæ; gluma florens absque aristis exsertis duplo brevior, apice triaristata, vel bisetosa cum arista inter setas terminalis, arista propria torta, geniculata, setas laterales triplo superans; palea angustissima glumam æquans; stamina 3. *Caryopsis* libera, anguste oblonga, glabra.

ST PAUL.—Endemic. Frequent in the low grounds, rare on the summit—*MacGillivray* and *Milne*; without locality—*Lieut. A. J. Smith*; the earliest flowering plant in the island—*De l'Isle*, 1.

We suspect this is the plant referred to by Reichardt under the above name, though it is perfectly distinct from the typical plant in Kew Herbarium. We have placed it in the genus *Trisetum* in spite of its having a terminal instead of a dorsal awn, because we believe that *Danthonia* must eventually be reduced to the former genus. Among plants in the two genera there exists every gradation from a strictly dorsal awn to a terminal one, as in our plant, between the two lateral setæ. *Trisetum insulare* is most nearly allied to the South African *Danthonia papillosa*, Trin., which, however, is a very hairy plant. *Aira pictigluma*, Steud., now referred to *Trisetum*, is a very similar plant from the mountains of Tropical Africa. There are two flowered species with a dorsal awn, and there are two flowered species with a terminal awn in both genera; and as the genera have been limited, one finds the same range of variation and parallel forms in the two.

***Agrostis difficilis*, Hemsl. (Plate XLIII.)**

Agrostis difficilis, Hemsl., n. sp.

Cæspitosus, erectus, glaber, lævis, foliis tenuiusculis planis, spiculis minutis, glumis muticis exterioribus fere æqualibus.

Perennis, 1½–2 pedalis, culmis graciliusculis. *Folia* radicalia non visa, caulina acuta, 3–6 poll. longa, ligula ampla, integra, rotundata. *Paniculæ* graciles, angustæ, pedicellis parcissime et minutissime puberulis. *Glumæ* glabræ, vel exteriores pilis paucissimis secus carinam instructæ, acutæ; florens paulo brevior, obtusa, integra; palea obtusa; stamina 3. *Caryopsis* matura non visa.

AMSTERDAM ISLAND.—Endemic. Rather common in humid parts of the low ground—*De l'Isle*, 37.