

31489 to 31509.

From New Zealand. Presented by Mr. A. H. Cockayne, biologist, Department of Agriculture, Commerce, and Tourists, Wellington, New Zealand. Received July 27, 1911.

“These seeds were collected primarily in connection with the regrassing of denuded areas.” (*Cockayne*.)

31489. AGROPYRON SCABRUM (R. Br.) Beauv.

Distribution.—Throughout the islands of New Zealand from sea level up to an elevation of 4,500 feet; also in Australia from Queensland to West Australia and Tasmania.

31490. AGROSTIS DYERI Petrie.

“This usually constitutes a large proportion of the subalpine pastures in elevated districts in both islands.” (*Cheeseman, Manual of the New Zealand Flora, 1906, p. 865.*)

Distribution.—Mountainous districts at an elevation of 1,000 to 5,000 feet in the islands of New Zealand.

31491. AGROSTIS sp.

The seeds of this grass were received under the name *Agrostis tenella*, which was given to the species in 1889 by Petrie (Transactions of the New Zealand Institute, vol. 22, p. 442). However, in 1800, Hoffmann (Deutschlands Flora, ed. 2, vol. 1, p. 36) had published the name *Agrostis tenella* for a German form of *Agrostis alba*, thus invalidating the use of the same name for the New Zealand grass. As this species has apparently never been given any other name, it seems best to list the material at hand as *Agrostis* sp.

31492. TRIODIA PUMILA (Kirk) Hackel.

Distribution.—Mountainous districts of South Island in New Zealand at an altitude of 2,000 to 5,000 feet.

31493. DANTHONIA BUCHANANI Hook. f.

Distribution.—In the lake region of the South Island of New Zealand.

31494. DANTHONIA CUNNINGHAMII Hook. f.

Distribution.—A handsome grass, often 5 feet high, growing in the islands of New Zealand, ascending to an elevation of 3,500 feet.

31495. DANTHONIA NUDA Hook. f.

Distribution.—On the mountain slopes near the eastern coast of North Island, and in dry places among the mountains on the South Island of New Zealand.

31496. DANTHONIA PILOSA R. Brown.

Distribution.—The provinces of West Australia, Queensland, and New South Wales in Australia, and in Tasmania and the islands of New Zealand.

31497. DANTHONIA RIGIDA Raoul.

Distribution.—Abundant in hilly and mountainous districts up to an elevation of 5,000 feet in the islands of New Zealand.

31498. CALAMAGROSTIS YOUNGII (Hook. f.) Skeels.

(*Agrostis youngii* Hook. f. 1867, Handbook of the New Zealand Flora, p. 330.)

(*Deyeuxia youngii* Buchanan 1880. Manual of the Indigenous Grasses of New Zealand, p. vi.)

The seeds of this New Zealand pasture grass were received under the name *Deyeuxia youngii*. As *Deyeuxia* is not considered to be distinct from *Calamagrostis* and as this species is more closely related to the type of *Calamagrostis* than to the type of *Agrostis*, it is here placed in the former genus.