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NOMENCLATURAL CHANGES FOR SOME GRASSES IN CALIFORNIA. II

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ABSTRACT

Two additional nomenclatural changes are required for Poaceae treatments that will appear in the second edition of The Jepson Manual: Higher Plants of California. They are **Elymus** × **gouldii** and **Festuca temulenta**. The former corrects a violation of the rule in the International Code of Botanical Nomenclature involving the naming of hybrids, and the latter involves a widely occurring non-native grass in California traditionally assigned to *Lolium*.

Key words: California, Elymus, Festuca, Leymus, Lolium, nomenclature, Poaceae.

In 1945, Frank W. Gould published the name Elymus triticoides Buckley subsp. multiflorus Gould for robust plants that occurred in dense stands along California's central and southern coast. He found that the plants were hexaploids and displayed features of both the giant wild-rye, E. condensatus J.Presl, and beardless wild-rye, E. triticoides. This sterile hybrid has since been named Leymus triticoides (Buckley) Pilg. subsp. multiflorus (Gould) Á.Löve and L. × multiflorus (Gould) Barkworth & R.J.Atkins. Our decision to employ broader generic concepts for Poaceae in the second edition of The Jepson Manual: Higher Plants of California (B. G. Baldwin et al., in prep.), based on the principles of monophyly and diagnosability (ease of identification at the genus level), led us to subsume Leymus Hochst. within the broader, more traditionally defined concept of Elymus L. However, retention of the Gould name violates Article H.5.1 of the International Code of Botanical Nomenclature (McNeill et al. 2006) that requires that the appropriate rank for the name of a hybrid (nothotaxon) be that of its postulated or known parent taxa, in this case a name at the species level. Unfortunately, the combination E. multiflorus (Banks & Sol. ex Hook.f.) Á.Löve & Connor, based on Triticum multiflorum Banks & Sol. ex Hook.f., has already been published. Therefore, we propose the following name in honor of Frank Walton Gould (1913-1981), eminent American agrostologist and important contributor to our understanding of California Elymus:

Elymus × gouldii J.P.Sm. & Columbus, nom. nov.

Replaced name: *Elymus triticoides* Buckley subsp. *multiflorus* Gould, *Madroño* 8: 46–47 (1945).

Darnel, long known as *Lolium temulentum* L., is a grass of disturbed places over much of the United States and it is also a weed of cereal and flax fields in southwest Asia where it is native. It is found widely in California, from Humboldt County south to San Diego County. As we noted in our earlier paper (Columbus and Smith 2010), *Lolium* L. has long been known to be phylogenetically nested within *Festuca* L. and we have proposed that it be subsumed within that genus. Therefore, the following new combination is required:

Festuca temulenta (L.) Columbus & J.P.Sm., comb. nov.

Basionym: Lolium temulentum L., Sp. Pl. 1: 83 (1753).

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