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ERRATUM in Mosquin 1966, cited above: On p. 172, l. 23, for "subsp. *angustifolium*" read "subsp. *circumvagum*."

COMPARATIVE STUDIES OF PHOTOSYNTHESIS AND RESPIRATION IN ECOLOGICAL RACES

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The basic evidence for the existence of genetically distinct, ecologically adapted races within species has been obtained from experiments on responses to reciprocal transplantation in contrasting environments. Although survival fitness may often be connected with morphological and other features, this does not necessarily mean that these features are of direct adaptive significance. The mere existence of differences in any characteristic whatever, even physiological, tells us nothing about their adaptive significance unless we also know in what way they are adaptive. If our aim is to uncover the mechanisms whereby ecological adaptation is achieved, there is no escape from critical studies on the direct relationship between functional char-