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ANDEAN PLANTS :
A NEW ASTRAGALUS AND NEW
NAMES IN DALEA

BY

Francis MACBRIDE ¹

A contribution, however trivial in itself, to the extremely important publication of the Botanical Conservatory, "Candollea", as edited by the Director, Professor B.P.G. Hochreutiner is an honor to the author which I acknowledge with sincere appreciation and thanks.

Astragalus Cuatrecasatii Macbr. spec. nov. —

Suffrutex humilis lax caespitosus subglaber ; caulibus diffusis 5-10 cm. longis ; foliis viridibus sparse hispidulis demum glabris fere 9-12-jugis 1.5-2 cm. longis, foliolis vix 2 mm. longis 0.75 mm. latis anguste oblongis obtusis vel acutiusculis plerumque haud conduplicatis ; stipulis 3 mm. longis solum ad basin connatis ; floribus 7 mm. longis perbreviter racemosis ad apicem pedunculi axillaris folio multo brevioris ; calyce dense pilis brevibus nigris pubescente 4 mm. longo, laciniis lineari-subulatis 2 mm. longis ; vexillo circa 4.5 mm. lato, 7 mm. longo, alis 5 mm. longis ; ovario uniloculari, 2-ovolato.

Pérou. Without locality, Ruiz & Pavón, type, Herb. Madrid.

With the aspect of *A. micranthellus* Wedd. and *A. Pilgeri* Macbr. but with smaller and more numerous leaflets ; from the former it differs, too, in its much larger flowers and from the latter in its narrow not at all retuse leaflets. From *A. salubris* Macbr. to which, among Peruvian species, it seems to be most nearly related, it may be distin-

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guished by its much smaller leaves, narrow leaflets and larger flowers. There are now known about thirty species of *Astragalus* in Peru.

It is peculiarly fitting to associate the name of my friend Professor José Cuatrecasas with a plant collected by Ruiz and Pavón whose classical collections he has so splendidly ordered, assuring their perfect preservation for our own and future generations.

Dalea — This name having been included with the approval of the international Botanical Congress in the list of additional generic terms to be conserved the names of the Andean species which thereby must be transferred from *Parosela* are here appended.

Attention may be called here to my remarks in *Field Mus. Bot.* 8 : 84. 1930 on the validity of several of these species. The size and color of the flowers, the nature of the calyx-lobes, the number of the leaflets and the distribution of the pubescence are characters that readily serve to separate groups of Andean species but it is probable that the species themselves have been much too finely divided on characters that represent in reality individual variations.

D. boliviana Britton, var. **Herrerae** Macbr. comb. nov. = *Parosela boliviana* (Britton) Macbr. var. *Herrerae* Macbr. *Field Mus. Bot.* 4 : 106. 1927.

This may be separable specifically from the Bolivian plant but it belongs to a very complex group of not clearly distinct entities including *D. pazensis*, *D. Onobrychis*, *D. nova*, *D. Smithii*, *D. Pennellii* and *D. Sawadae*; that is their validity remains to be proved by more numerous collections or further study.

D. catatona Macbr., comb. nov. = *Parosela catatona* Macbr. *l.c.* 4 : 105. 1927.

D. eosina Macbr., comb. nov. = *Parosela eosina* Macbr. *l.c.* 4 : 109. 1927.

D. Fieldii Macbr., comb. nov. = *Parosela Fieldii* Macbr. *l.c.* 4 : 111. 1927.

D. galbina Macbr., comb. nov. = *Parosela galbina* Macbr. *l.c.* 4 : 104. 1927.

D. humifusa Benth. var. **anatona** Macbr., comb. nov. = *Parosela humifusa* (Benth.) Macbr. var. *anatona* Macbr. *l.c.* 4 : 105.. 1927.

D. Jamesonii Macbr., comb. nov. = *Parosela Jamesonii* Macbr. *l.c.* 4 : 11. 1927.

D. Killipii Macbr., comb. nov. = *Parosela Killipii* Macbr. *l.c.* 4 : 110. 1927.

By a typographical error the name was originally spelled "Killippii".

D. Pennellii Macbr., comb. nov. = *Parosela Pennellii* Macbr. *l.c.* 4 : 107. 1927.

D. peruviana Macbr., comb. nov. = *Parosela peruviana* Macbr. *l.c.* 4 : 106. 1927.

D. Sawadae Macbr., comb. nov. = *Parosela Sawadae* Macbr. *l.c.* 11 : 24. 1931.

D. Smithii Macbr., comb. nov. = *Parosela Smithii* Macbr. *Candollea* 5 : 370. 1934.
