



DUDLEYA ARIZONICA

DUDLEYA ARIZONICA**Arizona Dudleya***Native of western Arizona*

Family CRASSULACEÆ

ORPINE Family

Dudleya arizonica Rose, sp. nov.

Along the west coast of the United States is a very interesting group of Crassulaceous plants. Those first known were described as species of *Echeveria*, while a little later they were referred to the genus *Cotyledon*. In 1903, however, the few described species with a host of new ones were brought together to form a new genus called *Dudleya*,¹ named for Prof. William Russel Dudley (1849–1911) of Leland Stanford University, who for many years was one of our great teachers of botany.

Of the sixty or more species, only a few have been in general cultivation, although many of them are quite ornamental and most can be grown easily with ordinary cultivation. The succulent houses of the Department of Agriculture at Washington and of the New York Botanical Garden have grown many of the species.

Although most of the species are to be found along the Pacific coast of North America and chiefly in California and Lower California, a species or two extend into western Arizona, while an anomalous one to be discussed at another time is found in eastern Arizona. For several years we have received a very interesting *Dudleya* from Mrs. Charles Blys of Yucca, Arizona, which is here described for the first time. It most resembles *Dudleya pulverulenta*, a species of the coastal hills of San Diego County, California, and southward, but it is less pulverulent, with shorter pedicels and leaves of a different shape.

The flowering stalk of the Arizona dudleya is sometimes stiff and erect as shown in our illustration or it may be weak and sprawling. The inflorescence is usually of two to four secund racemes with stout pedicels about half an inch long. The sepals are triangular and acute. The corolla is a half inch long; the petals are dark red, erect, and obtuse at apex.

J. N. ROSE.

EXPLANATION OF PLATE. Fig. 1.—Flowering plant. Fig. 2.—Flower, split open on one side.

¹ Dr. David Starr Jordan has commented on it as follows: "A genus of stone-crops of many species abounding on the cliffs of California and especially on those which overhang the sea was named *Dudleya* by Britton & Rose."