

CONTRIBUTIONS TOWARD A
FLORA OF WYOMING

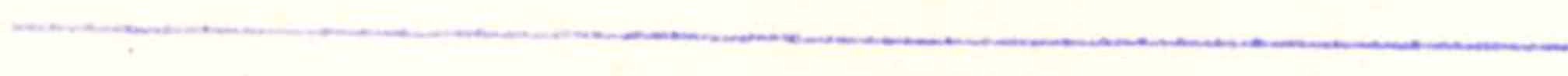


THE JUNCAGINACEAE OF WYOMING

by

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Leaflet No. 19.

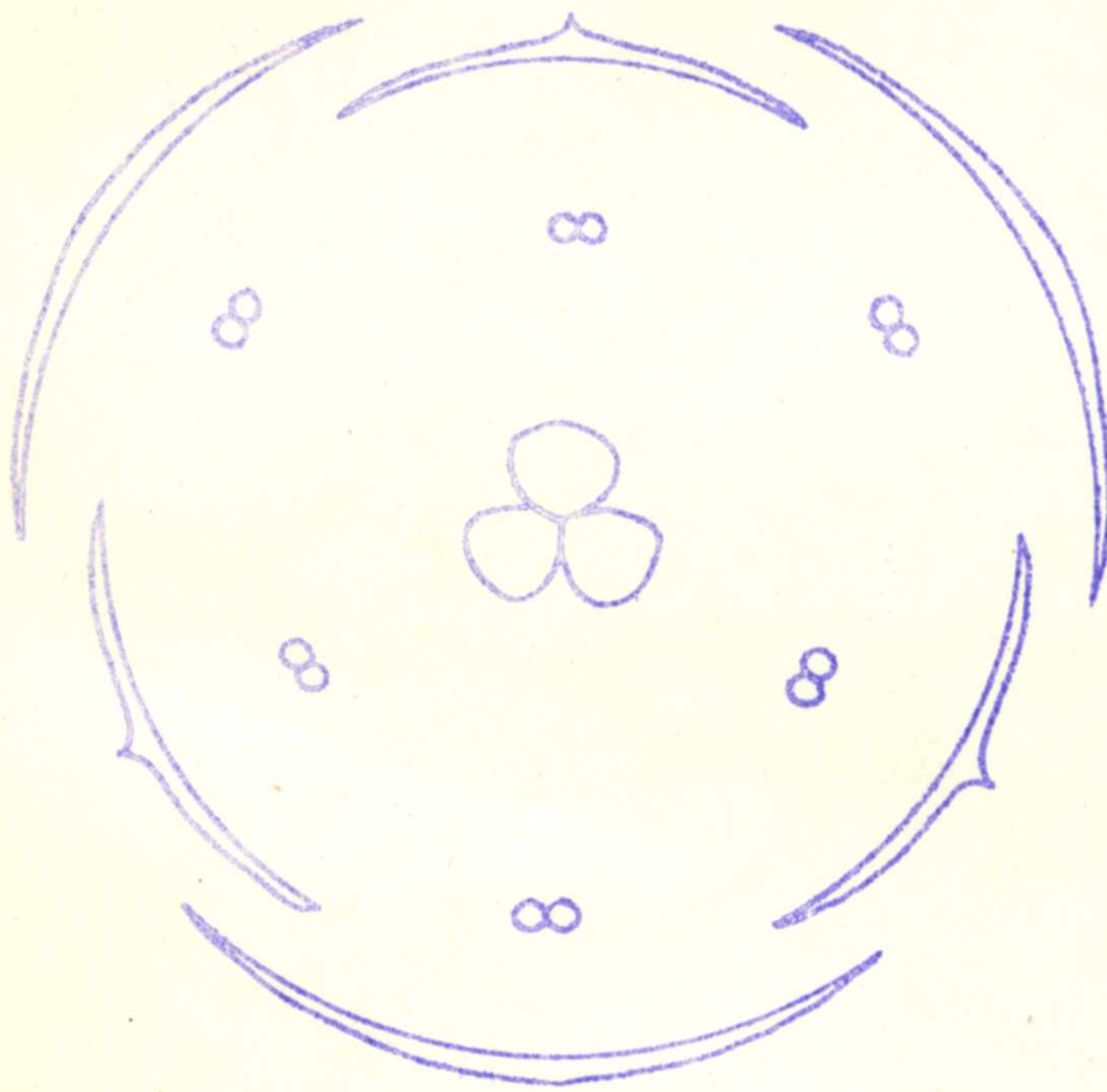
The Rocky Mountain Herbarium
University of Wyoming
Laramie

JUNCAGINACEAE Arrowgrass Family

Marsh herbs with long, narrow, semiterete, basal leaves which are sheathing at the base, and spikelike inflorescences of numerous, small, ebracteate, perfect, hypogynous, greenish flowers. Perianth of 6 concave segments. Stamens 6 or 3, the anthers nearly sessile. Carpels 6 or 3, weakly united, each containing 1 or 2 ovules and becoming achene-like in fruit.

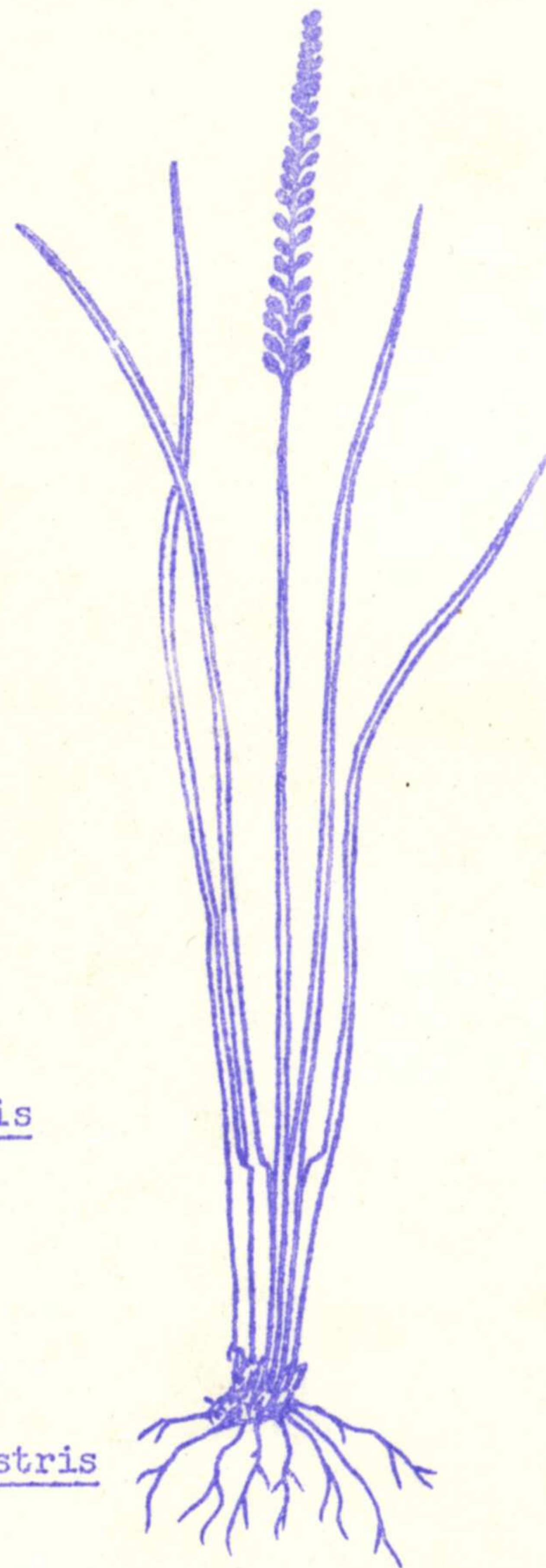
TRIGLOCHIN L. Arrowgrass

Our only genus, with the characteristics of the family as given above. The plants are poisonous to livestock.



Floral diagram of Triglochin palustris

Plant of Triglochin palustris
x 1/4



Key to the species

Carpels 6, obtuse at the base at maturity

Ligules entire, denticulate, or emarginate; rhizomes thick and contracted; old leaf-bases persistent for several seasons, indurate-corky; scapes mostly 60 cm. high or more in fruit - - - - - 1. T. maritima

Ligules 2-parted to the base; rhizomes slender and creeping; old leaf-bases evanescent or merely fibrous in age; scapes mostly 10-40 cm. high - - - 2. T. concinna var. debilis

Carpels 3, tapering at the base at maturity - - - - - 3. T. palustris

1. TRIGLOCHIN MARTIMA L., Sp. Pl. 339. 1753. Seaside Arrowgrass.

Triglochin elata Nutt., Gen. 1:237. 1818.

In alkaline marshes and meadows and borders of alkali lakes at middle and lower elevations. Probably to be found throughout the State, but specimens seen only from Albany, Carbon, Fremont, Sublette, and Sweetwater counties, and Yellowstone National Park. Ranging along the seacoasts of North America, Europe, and Asia, and inland in saline areas. Map 1.

2. TRIGLOCHIN CONCINNA VAR. DEBILIS (M. E. Jones) J. T. Howell, Leaflet W. Bot. 5:18. 1947.

Triglochin maritima var. debilis M. E. Jones, Proc. Calif. Acad. Sci., ser. 2, 5:722. 1895.

In alkaline marshes and meadows and borders of alkali lakes at middle and lower elevations. Apparently less common than the preceding and seen from Fremont and Sweetwater counties, and Yellowstone National Park. Ranging from the Dakotas westward to Oregon and southward to Colorado, Arizona, and eastern California. Map 1.

3. TRIGLOCHIN PALUSTRIS L., Sp. Pl. 338. 1753. Marsh Arrowgrass.

In alkaline marshes and meadows and borders of alkali lakes at middle and lower elevations. Specimens seen from Albany, Fremont, and Sweetwater counties. Ranging along the eastern coast of North America, Europe, and Asia, and inland in saline areas. Map 1.

Triglochin maritima - - - - - ●
 Triglochin concinna var. debilis - - - - - +
 Triglochin palustris - - - - - *

