

DISTRIBUTION RECORDS OF OKLAHOMA FLOWERING PLANTS

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In a previous paper (5), I gave some distribution records of thirty-seven species and varieties of Oklahoma plants. This paper continues this distribution record by counties. Hence, the main value of this paper will rest in the definite recording for the state, the species contained herein, and extension of the known range of a few species. The species marked with an asterisk are possibly new records for the state or are extensions of the known range of the species or variety. Some of the distribution by counties is taken from the work of previous taxonomists (1, 2, 4); mostly from actual specimens in the Oklahoma A. & M. College herbarium.

It may be of interest to note that the genus *Carex*, which is one of the largest genera in the world, contains some species that are valuable as forage plants. A government publication (3) lists four species valuable as forage plants: *Carex festivella*, the Ovalhead Sedge; *Carex filifolia*, the Threadleaf Sedge; *Carex Geyeri*, the Elk Sedge; *Carex nebraskensis*, the Nebraska Sedge. Of these, the last species and perhaps the first are found in Oklahoma. In addition, the Cherokee Sedge, *Carex cherokeensis* Schwein, and *Carex oxylepis* Torrey and Hooker, occur in Oklahoma and have value as forage plants.

Most of the species and varieties listed in this paper will be found in the Oklahoma A. & M. College Herbarium, and duplicates of most of them have been sent to the New York Botanical Garden.

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Collections of the species included in this report have been made mostly by my students and myself from the counties indicated based only upon specimens in the Oklahoma A. & M. College Herbarium. Hence, the distribution given is very incomplete for the state.

The families and species follow, listed in alphabetical order.

ARACEAE: **Acorus calamus* L.; Cherokee, Comanche, Kay.

ASCLEPIADACEAE: **Odontostephana decipiens* Alexander; Murray.

CALLITRICHACEAE: *Callitriche heterophylla* Pursh; Greer, McCurtain, Murray.

CRUCIFERAE: *Iodanthus pinnatifidus* (Michx.) Steud.; LeFlore, McCurtain, Ottawa.

CUCURBITACEAE: *Ibervillea Lindheimeri* (A. Gray) Greene; Murray.

CYPERACEAE: **Carex amphibola* Steud. var. *turgida* Fernald; Kay. *Carex brevior* (Dewey) Mack; LeFlore, Muskogee, Payne, Wagoner. *Carex caroliniana* Schw.; Rogers. *Carex cherokeensis* Schwein.; Atoka, Choctaw, Cleveland. *Carex Emoryi* Dewey; Murray. *Carex Frankii* Kunth; Choctaw, LeFlore, Ottawa, Pittsburg. *Carex hyalinolepis* Steud.; Tulsa. *Carex Leavenworthii* Dewey; Kay. *Carex lurida* Wahl; Cimarron, LeFlore, Major. *Carex Meadii* Dewey; Murray, Rogers. **Carex Muhlenbergii* var. *australis* Olney; Kay. **Carex oxylepis* Torr. & Hook; Atoka, Tulsa. *Carex plana* Mack.; Wagoner. *Carex vulpinoidea* Michx.; Pittsburg, Rogers. *Cyperus filiculmis* Vahl; Alfalfa, Cleveland, Comanche, Logan, Osage, Payne, Pittsburg, Woods. **Cyperus ovularis* var. *robustus* Boeckle. Payne. **Eleocharis acutisquamata* Buckley; Murray. **Eleocharis macrostachya* Britton; Rogers. **Eleocharis tenuis* var. *verrucosa* Svenson; Rogers. *Rhynchospora macrostachya* Torr.; Pittsburg. *Scirpus lineatus* Michx.; Comanche, Rogers. *Scirpus validus* Vahl.; Atoka, Cleveland, Major, Ottawa.

GRAMINEAE: **Eragrostis orcuttiana* Vasey; Okmulgee. **Eragrostis glomerata* (Walt.) L. H. Dewey; (County not given). **Leptochloa uninervia* (Presl.) Hitchc. & Chase; Love. **Muhlenbergii utilis* (Torr.) Hitchc.; Payne. **Setaria Faberi* Herrm.; (County not given).

JUNCACEAE: *Juncus Dudleyi* Wiegand; Kay. *Juncus effusus* L.; Cimmaron, LeFlore, Ottawa. *Juncus scirpoides* Lam.; LeFlore, Pittsburg. *Juncus tenuis* Willd.; Cleveland, Craig, Murray, Osage, Rogers.

NAJADACEAE: *Potamogeton pectinatus* L.; Alfalfa, Bryan, Comanche, Payne.

ORCHIDACEAE: *Epipactis gigantea* Dougl. ex Hook.; Murray.

ROSACEAE: **Crataegus viridis* var. *lutensis* (Sarg.) Palmer; Rogers. **Rosa conjuncta* Rydb.; Rogers.

UMBELLIFERAE: **Cymopterus macrorrhizus* Buckl.; Beckham; *Ptilimnium costatum* (Ell.) Raf.; Atoka.

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