

## Some Additions to Eskew's List of Flowering Plants of the Wichita Mountains Wildlife Refuge

PAUL BUCK, University of Tulsa, Tulsa and

JERRY J. CROCKETT, Oklahoma State University, Stillwater

A list of flowering plants of the Wichita Mountains Wildlife Refuge, a 59,099-acre area located in Comanche County, Oklahoma, was published over twenty years ago (Eskew 1938). In subsequent research, we noted that certain plants, now occurring within the boundaries of the refuge, were not included in Eskew's account. At the request of local officials of the U. S. Fish and Wildlife Service, who have jurisdiction over the refuge, we undertook the preparation of a current list in connection with our own ecological research.

Earlier this year, the senior author compiled a list of vascular plants of the refuge area and sent copies to personnel at the refuge for distribution, but not for publication since the identity of all species listed had not been verified by a qualified taxonomist. The nomenclature followed was that of Keys To The Flora of Oklahoma (Waterfall, 1960) from which work authors of names may be obtained. Common names (Rechenthin, 1954; Fernald 1950) were also included.

Several sources were used in completing this work. They included: (1) our collections (now in the Bebb Herbarium of the University of Oklahoma); (2) specimens from the Bebb Herbarium and a small herbarium located at the refuge headquarters; (3) Eskew's 1938 list; and (4) a list prepared by Osborn and Allan (1949).

Species and varieties, numbering 735, representing 100 families were recorded. The Compositae was largest with 111 representatives, followed by the Gramineae with 103, the Leguminosae with 55, and the Cyperaceae with 43.

From this list, we have verified the occurrence of 44 species not reported by Eskew. It is anticipated that others may be included at a later date. These 44 species representing 23 families are listed below.

We wish to acknowledge Dr. George J. Goodman of the University of Oklahoma for his valuable aid in verifying the identification of many species. Also, we thank Dr. U. T. Waterfall for his criticisms of this paper.

### ADDITIONS TO ESKEW'S PLANT LIST OF THE WICHITA MOUNTAINS WILDLIFE REFUGE

**Gramineae:** *Eragrostis sessilispica* (tumble lovegrass), *Eragrostis capillaris* (lacegrass), *Eragrostis intermedia* (plains lovegrass), *Sporobolus airoides* (alkali sacaton), *Sporobolus pyramidatus* (whorled dropseed), *Sporobolus vaginiflorus* var. *neglectus* (poverty dropseed), *Sporobolus asper* (tall dropseed), *Bouteloua hirsuta* (hairy grama), *Leptochloa dubia* (green sprangletop), *Paspalum ciliatifolium* (fringeleaf paspalum), *Setaria viridis* (green bristlegrass), *Andropogon barbinodis* (cane bluestem), *Tripsacum dactyloides* (eastern gamagrass)

**Liliaceae:** *Allium canadense* var. *canadense* (Canada garlic)

**Amaryllidaceae:** *Agave lata* (agave)

**Santalaceae:** *Comandra pallida* (western comandra)

- Polygonaceae:** *Polygonum tenue* (pleatleaf knotweed)
- Amaranthaceae:** *Gossypianthus tenuifolius* (lanceleaf cottonflower)
- Portulacaceae:** *Talium parviflorum* (shaggy purslane)
- Capparidaceae:** *Polanisia dodecandra* (roughseed clammywort)
- Leguminosae:** *Cassia marilandica* (wild senna), *Melilotus alba* (white sweetclover), *Lotus americana* (deervetch), *Lespedeza procumbens* (trailing lespedeza), *Lespedeza intermedia* (lespedeza)
- Simaroubaceae:** *Ailanthus altissima* (tree-of-heaven)
- Hippocastanaceae:** *Aesculus glabra*<sup>1</sup> (Ohio buckeye)
- Umbelliferae:** *Chaerophyllum tainturieri* var. *dasy carpum* (hairy-fruit chervil)
- Ebenaceae:** *Diospyros virginiana* var. *virginiana*<sup>1</sup> (common persimmon)
- Convolvulaceae:** *Cuscuta indecora* (showy dodder)
- Hydrophyllaceae:** *Nama hispidum* (rough nama)
- Labiatae:** *Nepeta cataria* (catnip), *Monarda clinopodioides* (basil beebalm)
- Solanaceae:** *Solanum torreyi* (Torrey horsenettle)
- Scrophulariaceae:** *Scrophularia lanceolata* (narrowleaf figwort)
- Martyniaceae:** *Proboscidea louisianaca* (common devilsclaw)
- Acanthaceae:** *Ruellia humilis* (low ruellia)
- Cucurbitaceae:** *Ibervillea lindheimeri* (Lindheimer globeberry)
- Campanulaceae:** *Lobelia appendiculata* (earflower lobelia)
- Compositae:** *Chrysopsis villosa* var. *canescens* (hairy goldaster), *Haplopappus spinulosus* (cutleaf goldaster), *Aphanostephus pilosus* (hairy dozedaisy), *Silphium asteriscus* (sand rosinweed), *Thelesperma filifolium* (plains greenthread).

## LITERATURE CITED

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<sup>1</sup>These two plants have been reported in the refuge but have not been reported as additions to Eskew's work (Halloran, 1959).