

IX. PLANT COLLECTIONS REPRESENTATIVE OF SOME  
TYPICAL COMMUNITIES OF WESTERN  
OKLAHOMA\*

A. I. Ortenburger

Due to a delay in the publication of a general account and description of the major environmental conditions encountered during the Museum of Zoology expedition of 1926 in western Ok'ahoma, the accompanying list of plants collected is given at this time. The list for each locality or particular habitat in a locality is representative of the plants found at the time mentioned. The species enumerated comprise the commonest and most typical rather than the general or rarer forms, in this way presenting the best idea of the floral conditions met. Because of the fact that the primary purpose of the expedition was the collecting, identification, and recording of data concerning vertebrate animals it should be obvious that such plant lists as these cannot be at all complete. In many cases the time available for making a plant collection was only a few minutes but it is thought that a small representative collection is better than none as some idea of each region can thus be obtained.

Mr. Paul Standley has very kindly identified the specimens and I wish to acknowledge my indebtedness to him. The specimens, except those which were not preserved, are deposited in the U. S. National Herbarium.

**Comanche County.** Wichita National Forest and Game Preserve. General collection mainly near Camp Boulder. June 8. (Plate I, Fig. 1; Plate I, Fig. 2; Plate II).

<i>Phararis caroliniana</i> Walt.	<i>Fraxinus americana</i> L.?
<i>Paronychia Jamesii</i> T. & G.	<i>Asclepiodora decumbens</i> (Nutt.) Gray.
<i>Prunus angustifolia</i> Marsh.	<i>Monarda punctata</i> L.
<i>Morongia uncinata</i> (Willd.) Britt.	<i>Plantago Purshii</i> R. & S.
<i>Psoralea tenuiflora</i> Pursh.	<i>Houstonia angustifolia</i> Michx.
<i>Baptisia Nuttalliana</i> Small.	<i>Erigeron ramosus</i> (Walt.) B. S. P.
<i>Amorpha canescens</i> Pursh.	<i>Berlandiera</i> sp. (leaves only).
<i>Petalostemon purpureus</i> (Vent.) Rydb.	<i>Rudbeckia hirta</i> L.
<i>Tragia</i> sp.	<i>Hymenopappus corymbosus</i> T. & G.
<i>Callirrhoe involucrata</i> (T. & G.) Gray.	<i>Gaillardia pulchella</i> Foug.
<i>Mercurialis serrulata</i> (Nutt.) Walp.	

**Comanche County.** Wichita National Forest and Game Preserve. Open woods near Panther Creek. June 12. (Plate I, Fig. 3).

<i>Callirrhoe involucrata</i> (T. & G.) Gray.	<i>Oxalis stricta</i> L.
	<i>Plantago Purshii</i> R. & S.

**Comanche County.** Wichita National Forest and Game Preserve. Along Panther Creek. June 12.

<i>Potamogeton</i> sp. (Sterile)	<i>Ptilimnium Nuttallii</i> (DC.) Britt.
<i>Hordeum pusillum</i> Nutt.	<i>Daucus pusillus</i> Michx.
<i>Lepidium virginicum</i> L.	<i>Specularia leptocarpa</i> (Nutt.) Gray.
<i>Isnardia palustris</i> L.	<i>Rudbeckia hirta</i> L.
<i>Myriophyllum</i> sp.	<i>Helenium tenuifolium</i> Nutt.

**Comanche County.** Wichita National Forest and Game Preserve. Summit of Mt. Sheridan. June 12. (Plate III).

*Quercus marilandica* Muench.      *Vicia micrantha* Nutt.  
*Quercus Schneckii* Britt.?      *Artemisia kansana* Britt.

**Harmon County.** Ten miles north of Hollis. June 23.

*Quercus undulata* Torr.      *Monarda punctata* L.  
*Eriogonum* sp. (sterile).

**Harmon County.** 10.6 miles north of Hollis. Tops of small hills. June 23.

*Quercus undulata* Torr.      *Artemisia filifolia* Torr.  
*Meriolix serrulata* (Nutt.) Walp.

**Harmon County.** 11.4 miles north of Hollis. Salt Fork of Red River. June 23.

*Poa arachnifera* Torr.      *Ipomoea leptophylla* Torr.  
*Elymus canadensis* L.      *Monarda punctata* L.  
*Commelina crispa* Wooton.      *Solanum elaeagnifolium* Cav.  
*Quercus undulata* Torr.      *Plantago Purshii* R. & S.  
*Argemone alba* Lestib.      *Plantago rhodosperma* Dcne.  
*Dithyrea Wislizeni* Engelm.      *Cucurbita foetidissima* H. B. K.  
*Thelypodium* sp.      *Helianthus petiolaris* Nutt.  
*Amorpha fruticosa* L.      *Ratibida columnifera* (Nutt.) W.  
*Parosela enneandra* (Nutt.) Britt. & S.  
*Glycyrrhiza lepidota* Nutt.      *Gaillardia pulchella* Foug.  
*Rhus trilobata* Nutt.      *Artemisia filifolia* Torr.  
*Apocynum cannabinum* L.      *Cirsium ochrocentrum* Gray.

**Harmon County.** 13.8 miles north of Hollis. Top of hills. June 23.

*Prunus angustifolia* Marsh.      *Helianthus petiolaris* Nutt.  
*Eriogonum annuum* Nutt.      *Gaillardia pulchella* Foug.  
*Rhus trilobata* Nutt.      *Artemisia filifolia* Torr.

**Harmon County.** Elm Fork of Red River. Four miles north of Mangum. June 23.

*Salix interior* Rowlee.      *Helianthus annuus* L.  
*Solanum carolinense* L.

**Beckham County.** Near Sayre, south bank of North Fork of Red River. June 24.

*Distichlis spicata* (L.) Greene.      *Glycyrrhiza lepidota* Nutt.  
*Scirpus americanus* Pers.      *Grindelia* sp. (sterile).  
*Salix interior* Rowlee.      *Ambrosia psilostachya* DC.  
*Populus Sargentii* Dode.

**Roger Mills County.** 10.8 miles south of Cheyenne. June 24.

*Elymus canadensis* L.      *Amorpha canescens* Pursh.  
*Quercus undulata* Torr.      *Helianthus petiolaris* Nutt.

**Roger Mills County.** On the Washita River, 1.8 miles north of Cheyenne. June 24.

*Elymus canadensis* L.      *Gymnocladus dioica* (L.) Koch.  
*Scirpus americanus* Pers.      *Chaetochloa viridis* (L.) Scribn.  
*Salix nigra* Marsh.      *Vitis* sp.  
*Populus Sargentii* Dode.      *Ambrosia psilostachya* DC.  
*Polygonum* sp. (sterile).      *Xanthium commune* Britt.

**Roger Mills County.** 11.9 miles northwest of Cheyenne. June 24.

*Andropogon* sp.      *Asclepiodora decumbens* (Nutt.) Gray.  
*Eriogonum triste* Wats.      *Sideranthus glaberrimus* Rydb.  
*Mimosa borealis* Gray.      *Ratibida columnifera* (Nutt.) W.  
*Baptisia* sp. (sterile).      & S.  
*Parosela enneandra* (Nutt.) Britt.  
*Rhus trilobata* Nutt.

**Roger Mills County.** South bank of the South Canadian River. 6 miles northwest of Durham. June 25. (Plate IV, Fig. 4).

*Quercus undulata* Torr. *Mentzelia stricta* (Osterh.)  
*Rus trilobata* Nutt. *Artemisia filifolia* Torr.

**Roger Mills County.** Antelope Hills, 6 miles northeast of Durham. June 25. Plate IV, Fig. 5).

*Yucca glauca* Nutt. *Phacelia corrugata* Nels.  
*Quercus undulata* Torr. *Hedeoma ciliata* Nutt.  
*Petalostemon purpureus* (Vent.) Rydb. *Houstonia angustifolia* Michx.  
*Psoralea pedunculata* (Mill.) Vail. *Townsendia grandiflora* Nutt.  
*Ceanothus ovatus* Desf. *Hymenopappus tenuifolius* Pursh.  
*Vitis* sp. (sterile). *Tetranneuris stenophylla* Rydb.

**Texas County.** Coldwater Creek. 8 miles southeast of Guymon. June 27-28. (Plate V, Fig. 6).

*Sagittaria cuneata* Sheldon. *Salix* sp.  
*Eleocharis palustris* (L.) R. & S. *Populus Sargentii* Dode.  
*Elymus canadensis* L.

**Cimarron County.** 26 miles east of Boise City. June 29.

*Festuca octoflora* Walt. *Ratibida columnifera* (Nutt.) W. & S.  
*Erysimum asperum* DC.  
*Plantago Purshii* R. & S.

**Cimarron County.** On North Canadian River away from stream. 7 miles south of Boise City. June 30.

*Rumex* sp. (sterile). *Mentzelia stricta* (Osterh.)  
*Commelina crispa* Wooton. *Anogra latifolia* Rydb.  
*Eriogonum annuum* Nutt. *Heliotropium convolvulaceum*  
 (Nutt.) Gray  
*Salsola pestifer* Nels. *Plantago Purshii* R. & S.  
*Lupinus pusillus* Pursh. *Zinnia grandiflora* Nutt.  
*Psoralea tenuiflora* Pursh. *Artemisia filifolia* Torr.  
*Petalostemon* sp.  
*Glycyrrhiza lepidota* Nutt.

**Cimarron County.** North Canadian River near stream, 7 miles south of Boise City. June 30.

*Redfieldia flexuosa* (Thurb.) Vasey. *Solanum rostratum* Dunal.  
*Yucca glauca* Nutt. *Helianthus petiolaris* Nutt.  
*Rumex venosus* Pursh. *Ratibida columnifera* (Nutt.) W. & S.  
*Polanisia trachysperma* T. & G. *Verbesina encelioides* Cav.  
*Salsola pestifer* Nels. *Othake sphacelatum* (Nutt.) Rydb.  
*Cleome serrulata* Pursh. *Bahia oppositifolia* Nutt.  
*Psoralea lanceolata* Pursh. *Artemisia filifolia* Nutt.  
*Verbena bipinnatifida* Michx.  
*Apocynum cannabinum* L.

**Cimarron County.** Near Kenton, 101 Pass. July 4. (Plate V, Fig. 7).

*Pinus edulis* Engelm. *Quercus undulata* Torr.  
*Juniperus monosperma* Engelm. *Eriogonum Jamesii* Benth.

**Cimarron County.** Along Cimarron River, 3 miles north of Kenton, July 5 (Plate VI, Figs. 8 and 9).

*Panicum virgatum* L. *Hordeum jubatum* L.  
*Distichlis spicata* (L.) Greene. *Scirpus validus* Vahl.

**Cimarron County.** General vicinity of Black Mesa. 3 miles north of Kenton.  
July 8. (Plate VII, Fig. 10).

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|---|---|
| Andropogon saccharoides var.<br>laguroides. | Asclepias latifolia (Torr.) Raf.                  |
| Bouteloua gracilis (H. B. K.) Lag.          | Gutierrezia sarothrae (Pursh.)<br>Britt. & Rusby. |
| Triodia pilosa                              | Zinnia grandiflora Nutt.                          |
| Scirpus validus Vahl.                       | Ratibida columnifera (Nutt.) W.<br>& S.           |
| Celtis reticulata Torr.                     | Hymenopappus tenuifolius Pursh.                   |
| Sophora sericea Nutt.                       | Senecio filifolius Nutt.                          |
| Psoralea tenuiflora Pursh.                  | Cirsium ochrocentrum Gray.                        |
| Rhus trilobata Nutt.                        |   |

**Cimarron County.** 3 miles northwest of Kenton on top of Black Mesa. July 8.  
(Plate VII, Fig. 11).

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|----------------------------------|---|
| Aristida longiseta Steud.        | Gutierrezia sarothrae (Pursh.)<br>Britt. & Rusby. |
| Distichlis spicata (L.) Greene.  | Grindelia sp. (sterile).                          |
| Psoralea tenuiflora Pursh.       | Berlandiera lyrata Benth.                         |
| Petalostemon tenuifolius Gray.   | Ratibida columnifera (Nutt.) W.<br>& S.           |
| Ptelea trifoliata L.             | Melampodium leucanthum T. & G.                    |
| Rhus trilobata Nutt.             | Tetaneuris sp.                                    |
| Glossopetalon spinescens Gray.   | Tetaneuris acaulis (Pursh) Greene.                |
| Mentzelia stricta (Osterh.)      | Artemisia gnaphalodes Nutt.                       |
| Asclepias latifolia (Torr.) Raf. |   |
| Ipomoea leptophylla Torr.        |   |

**Harper County.** Sleeping Bear Creek. 20 miles southeast of Buffalo. July 10.

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|---------------------------|-----------------------------------|
| Ambrosia psilostachya DC. | Parosela enneandra (Nutt.) Britt. |
| Artemisia filifolia Torr. | Anogra latifolia Rydb.            |
| Commelina crispa Wooton.  | Meriolix serrulata (Nutt.) Walp.  |

**Alfalfa County.** Salt Fork of the Arkansas River. 6½ miles northeast of  
Ingersoll. July 11.

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| Calamovilla gigantea (Nutt.) S.<br>& M. | Polygonum Muhlenbergii Wats.           |
| Distichlis spicata (L.) Greene.         | Chenopodium album L.                   |
| Agropyron Smithii Rydb.                 | Acuan illinoensis (Michx.) Kuntze.     |
| Elymus canadensis L.                    | Sida hederacea (Dougl.) Torr.          |
| Eleocharis palustris (L.) R. & S.       | Lythrum linearifolium (Gray)<br>Small. |
| Salix nigra Marsh.                      | Lycopus americanus Muhl.               |
| Salix interior Rowlee.                  | Helianthus annuus L.                   |
| Populus Sargentii Dode.                 |  |