

**INVENTORY OF THE FLORA OF THE  
GUADALUPE MOUNTAINS,  
NEW MEXICO AND TEXAS**

**[SECOND WORKING DRAFT]  
[MARCH, 2002]**

**Compiled by:  
Richard D. Worthington, Ph.D.  
Floristic Inventories of the Southwest Program  
P. O. Box 13331  
El Paso, Texas 79913**

**El Paso, Texas  
March, 2002**

# **INVENTORY OF THE FLORA OF THE GUADALUPE MOUNTAINS, NEW MEXICO AND TEXAS**

## **INTRODUCTION**

This report is a second working draft of the inventory of the flora of the Guadalupe Mountains, Eddy and Otero Cos., New Mexico and Culberson Co., Texas. I have drawn on inventory work I have done in the Sitting Bull Falls and Last Chance Canyon area of the mountains and a survey project at Manzanita Springs carried out over the past several years as well as collections made during survey work on two projects completed in 1999 (Worthington 1999a, 1999b). I have included in this report a review of almost all of the literature that deals with the flora of the study area.

The goals of this project are to provide as nearly a complete inventory as possible of the flora of the Guadalupe Mts. which includes cryptogams (lichens, mosses, liverworts), to provide a nearly complete review of the literature that references the study area flora, to document where the voucher specimens are located, and to reconstruct a history of collecting efforts made in the region. Each of these activities demands a certain amount of time. Several more years of field work are contemplated. On-line resources have yet to be evaluated.

The compiler of this report welcomes any assistance especially in the form of additions and corrections. No work of this type is ever complete. However, the effort will be made to bring it to a satisfactory level of completion so that it can be used in the context of the research objectives of the compiler (floristic diversity of island mountain masses) and in countless other ways including conservation efforts and land management.

## SELECTED MUSEUM ACRONYMS

A	Arnold Arboretum, Cambridge, MA
ARIZ	University of Arizona, Tempe, AZ
ASU	Arizona State University, Phoenix, AZ
BRIT	Botanical Research Institute of Texas, Ft. Worth, TX
CAS	California Academy of Sciences, San Francisco, CA
GH	Gray Herbarium, Cambridge MA
GUMO	Guadalupe Mountains National Park
MICH	University of Michigan, Ann Arbor, MI
MO	Missouri Botanical Garden, St. Louis, MO
NMC	New Mexico State University, Las Cruces, NM
NMCR	New Mexico State University, Coll. Range Sci. Herbarium, Las Cruces, NM
NY	New York Botanical Garden, Bronx, NY
PH	Academy of Natural Sciences, Philadelphia, PA
RM	Rocky Mountain Herbarium, Univ. Wyoming, Laramie, WY
RSA-POM	Rancho Santa Ana and Pomona College Herbaria
SRSC	Sul Ross State University, Alpine, TX
TAES	Texas A & M University, College Station, TX
TEX-LL	University of Texas and Lundell Herbaria, Austin, TX
UC	University of California, Berkeley, CA
UCR	University of California, Riverside, CA
UNM	University of New Mexico, Albuquerque, NM
US	U. S. National Herbarium, Washington, DC
UTEP	University of Texas at El Paso, El Paso, TX

**PLANT COLLECTORS VISITING THE NEW MEXICO PART OF THE GUADALUPE MTS.**

<b>DATE:</b>	<b>COLLECTOR:</b>	<b>PLACE:</b>	<b>HERBARIA:</b>
?	J. D. Bacon	Sitting Bull Falls	TEX-LL
?	Patterson	North McKittrick Canyon	TEX-LL
?	Marley		GH; UNM
?	Spellenberg & Repass		NMC
?	Perry Convis	Carlsbad Caverns	US
SEP-OCT 1881	V. Havard	Guadalupe Mts. (TX)	US; MO
27 AUG 1901	V. Bailey		US
4 SEP 1902	V. Bailey	North end of Guadalupe Mts.	US
22 JUN 1906	E. O. Wooten		
31 JUL-04 AUG 1909	E. O. Wooten	Queen	NMC; US
05 AUG 1909	E. O. Wooten	Dark Canyon	NMC
29 May - 04 1924	A. Chase	Guadalupe Mts.	US
4 SEP 1916	A. S. Hitchcock	Queen	NY; TEX-LL
25 MAY 1916	W. R. Chapline	Sitting Bull Falls	US
16-28 AUG 1916	M. Young	Guadalupe Mts.	TEX-LL
29 AUG 1916	(? illegible)	McKittrick Canyon, TX	TEX-LL
14 SEP 1916	W. R. Chapline	Guadalupe Ridge, Hilton Can.	NMC; US; NMCR
03 OCT 1916	W. R. Chapline	Cottonwood Canyon	US
17 JUL 1921	M. W. Talbot	Dog Town Flat	NMCR
21 APR 1929	M. W. Talbot	Otero Co., Guadalupe rim	GH
15 APR - 5 MAY 1924	V. Bailey	Carlsbad Caverns	US
25 APR - 05 MAY 1924	Lee	Carlsbad Caverns	US
12-20 AUG 1924	P. Standley	Dark Canyon, Carlsbad Caverns	US
MAY 1930	Gladys Convis	Carlsbad Caverns	RM
01 MAY 1930	M. Jones	Guadalupe Canyon	UCR
04 AUG 1930	Grassl	Frijole	MICH
24 MAY 1931	A. Nelson	Carlsbad Caverns	US; GH, RM
22 JUL 1931	Moore & Steyermark	upper McKittrick	US
27 SEP 1931	Payson	Carlsbad Caverns	RM
11 NOV 1931	Whitehouse	Pine Springs	TEX-LL
17 NOV 1931	Whitehouse	Pine Springs	TEX-LL
21 APR 1932	Wilkins	Dark Canyon	PA
06 MAY 1932	Wilkins	Rocky Arroyo	US
29 OCT 1936	I. N. Goodding	Gray=s Ranch	ARIZ
14 JUN 1937	Dole	Guadalupe Mts., Carlsbad Caverns	UC
29 AUG 1937	L. N. Goodding	Gray=s Ranch (mouth Big Canyon)	US
12 MAY 1939	Hershey & Nisbet	NM Guadalupe Mts.	UNM
13 MAY 1939	J. O. Bridges	Gray=s Ranch	NMCR
JUN 1939	W.B.Davis	McKittrick Canyon	TAES
12 JUL 1939	A. L. Hershey	Guadalupe Mts.	NMC; CAS

19 OCT 1939	R. Barneby	Dark Canyon	NY
03 MAY 1941	A. L. Hershey	Guadalupe Mts.	CAS
18 MAY 1940	A. L. Hershey	Guadalupe Mts.	NMC
24 MAY 1941	Nelson	Carlsbad Caverns	GH, US
14 AUG 1942	U. T. Waterfall	SW of Carlsbad	GH; NY; MO
21 JUL 1943	U. T. Waterfall	Guadalupe Mts.	
23 MAY 1944	A. L. Hershey	Guadalupe Mts.	US
24 MAY 1944	A. L. Hershey	Sitting Bull Falls	GH
14 JUL 1945	R. McVaugh	Guadalupe Peak	MICH; F
17 JUL 1945	C. H. Muller	Smith Canyon	TEX-LL
09 AUG 1945	Lundell & Lundell	Frijole	TEX-LL
14 AUG 1946	D. S. Correll	Guadalupe Canyon	TEX-LL
15 AUG 1946	L. H. Shinnars	Pine Springs Station	BRIT
15 AUG 1946	D. S. Correll	Pine Top Mtn.	TEX-LL
18 AUG 1946	D. S. Correll	N. McKittrick Canyon	US; TEX-LL; BRIT
20-23 SEP 1946	E. Whitehouse	N of Pine Springs	BRIT
03 JUN 1949	Hinckley & Hinckley	McKittrick Canyon	BRIT
20 JUL 1950	Fisher	McKittrick Canyon	KANU
31 AUG 1950	B. H. Warnock	McKittrick Canyon	BRIT
18 JUN 1951	Castetter	Carlsbad Caverns	UNM
11 JUL 1952	Castetter	Big Canyon	UNM
03 AUG 1952	B. H. Warnock	McKittrick Canyon	BRIT
17 MAY 1953	Ripley & Barneby	SW of Whites City	CAS; GH; NY et al.
20 JUL 1954	B. H. Warnock	McKittrick Canyon	TEX-LL
05 SEP 1954	B. H. Warnock	McKittrick Canyon	TEX-LL
24 JUL 1956	B. H. Warnock	McKittrick Canyon	TEX-LL
29 OCT 1956	B. H. Warnock	McKittrick Canyon	TEX-LL
25 JUL 1957	Correll & Johnston	near Pine Spring	BRIT?
18 MAY 1958	Warnock & Johnston	McKittrick Canyon	TEX-LL
01 JUL 1958	Correll & Johnston	4 mi. NE of Pine Springs	TEX-LL
16 MAY 1959	Correll & Johnston	Guadalupe Canyon	TEX-LL
13 SEP 1960	McKechnie	near Queen; Walnut Canyon	DES; UNM
30 APR 1961	B. H. Warnock	McKittrick Canyon	SRSC
20 APR 1962	Correll & Ogden	McKittrick Canyon	BRIT?
28 SEP 1962	Correll & Correll	McKittrick Canyon	TEX-LL
JUN 1962	T. Melchert	Whites City	TEX-LL
03 APR 1963	Little & Correll	Pine Springs	TEX-LL
21 JUN 1964	Correll & Hanson	McKittrick Canyon	TEX-LL
30 MAY 1965	A. M. Powell	Carlsbad Caverns	SRSC
01 SEP 1965	A. M. Powell & Sikes	Dark Canyon	SRSC
27 MAY 1968	B. H. Warnock	McKittrick Canyon	TEX-LL
25 MAY 1969	Lind	McKittrick Canyon	TEX-LL
01 MAY 1971	Weston	Pine Springs	SRSC
22-26 SEP 1972	H. S. Gentry & Engard	Guadalupe Mts.; Queen; El Paso Gap	DES; US
05 JUN 1973	D. Northington	South McKittrick Canyon	UCR
JUL 1973	Reisch & Riskind	The Bowl	TEX-LL
11 JUL 1973	T. Burgess	lower McKittrick Canyon	UCR
07 AUG 1973	T. Burgess	Bell Canyon	UCR
08 SEP 1973	R. Spellenberg	Guadalupe Rim Rd. No. 67	NMC
29 SEP 1973	T. Burgess	Shumard Canyon	ASU
27 JUN 1974	H. S. Gentry & Hughes	Guadalupe Mts.	DES
10 AUG 1974	D. Northington	Devil's Den Canyon	UCR
28 AUG 1974	L. C. Higgins	near Dark Canyon	NY; ASU
16 SEP 1974	T. Burgess	Bear Canyon Trail	ARIZ

08 OCT 1974	D. Northington	North McKittrick Canyon	UCR
01 JAN 1975	R. Adams	McKittrick Canyon	TEX-LL
09 JUN 1975	T. Burgess	McKittrick Canyon	TEX-LL
12 JUN 1975	T. R. Van Devender	Dark Canyon	ARIZ
1976	R. Spellenberg	Sitting Bull Falls	NMC
19 AUG 1976	B. Everett	Guadalupe Peak	UCR
27 OCT 1976	Walker	Pine Springs Campground	OKLA
17 MAY 1977	T. L. Burgess	Walnut Canyon	TTC
30 JUN 1977	H. L. Parent	Oak Spring	ARIZ
19 AUG 1977	T. Van Devender	Last Chance Canyon	ARIZ
18 SEP 1977	T. Wendt & E. Lott	Big Canyon	GH
01 SEP 1978	R. Sanders	South McKittrick Canyon	UCR
21 APR 1979	D. A. Bearden & Hatch	Last Chance Canyon; Rocky Arroyo	NMC; TAES; UTEP
05 MAY 1979	S. Lambert	Sitting Bull Falls	UTEP
17 MAY 1979	R. Fletcher	Black River Canyon	UNM
26 MAY 1979	B. H. Warnock	Bear Canyon	SRSC
09 JUL 1979	T. Burgess	upper Dog Canyon	UCR
25 OCT 1979	R. Hutte	FSR 540 area	NMCR
21 MAY 1980	R. Fletcher	Big Canyon drainage	Forest Serv.
22 MAY 1980	R. Fletcher	Black Canyon Spring	Forest Serv.
23 JUN 1981	T. R. Van Devender	Sitting Bull Falls	ARIZ; UTEP
24 JUN 1981	T. R. Van Devender	Last Chance Canyon	ARIZ; UTEP
27 MAY 1982	Paul Knight	Big, Black & Gunsight Canyons	UNM
15 SEP 1982	Paul Knight	Gunsight Canyon	UNM
6-7 JUN 1982	K. W. Allred	Sitting Bull Falls	NMCR
26 AUG 1982	G. Ferguson	Dark Canyon Lookout	UTEP
15 SEP 1982	Paul Knight	Big, Black and Gunsight Canyons	UNM
26 MAY 1983	G. Ferguson	Sitting Bull Falls	UTEP; UCR
1984	D. Ward	Slaughter Canyon	NMC
17 JUN 1986	K. W. Allred	Queen	NMCR
25 APR 1989	W. W. Dunmire	North Fork Big Canyon	NMCR
28 AUG 1991	Robert Sivinski	Black Canyon; ridge at Cottonwood	Can. UNM
20 APR 1992	Robert Sivinski	Lower Rocky Arroyo	NMC; UNM
22 MAR 1995	Robert Sivinski	15 mi. NE Carlsbad	UNM
22 MAY 1996	Robert Sivinski	Rawhide Ridge	UNM
26 SEP 1996	T. Wootten & Howard	Mouth of Pup Canyon	NMC
05 AUG 1997	R. Spellenberg	Mouth of Pup Canyon	NMC
22 SEP 1997	R. Spellenberg	Mouth of Pup Canyon	NMC
19 MAY 1998	Robert Sivinski	Rawhide and Pierce Canyons	UNM
27 MAY 1998	Robert Sivinski	Ares Peak	UNM
23 JUN 1998	R. D. Worthington	Sitting Bull Falls	UTEP
18 JUL 1998	R. D. Worthington	Sitting Bull Falls	UTEP
26 JUL 1998	R. D. Worthington	Sitting Bull Falls	UTEP
27 JUL 1998	R. Spellenberg	Pup Canyon area	NMC
09 AUG 1998	R. D. Worthington	Sitting Bull Falls	UTEP
22 AUG 1998	R. D. Worthington	Sitting Bull Falls	UTEP
29 AUG 2998	R. D. Worthington	Last Chance Canyon	UTEP
07 SEP 1998	R. D. Worthington	Last Chance Canyon	UTEP
20 SEP 1998	R. D. Worthington	Sitting Bull Falls	UTEP
04 OCT 1998	R. D. Worthington	White Oaks and Last Chance Canyons	UTEP
07 APR 1999	R. Sivinski	upper Dog Canyon	UNM
10 APR 1999	R. D. Worthington	Last Chance Canyon	UTEP
21 APR 1999	R. Sivinski	upper Dog Canyon	UNM
25 APR 1999	R. D. Worthington	Last Chance Canyon	UTEP
08 MAY 1999	R. D. Worthington	Sitting Bull Falls	UTEP

10 MAY 1999	R. D. Worthington	E. of Coon Dog Tank	UTEP
11 MAY 1999	R. D. Worthington	North Rocky Arroyo	UTEP
22 MAY 1999	R. Sivinski	upper Dog Canyon	UNM
23 MAY 1999	R. D. Worthington	Dark Canyon	UTEP
06 JUN 1999	R. D. Worthington	White Oaks and Last Chance Canyons	UTEP
23-24 JUN 1999	M. Baker	Last Chance Canyon; Sitting Bull Falls ?	
08 AUG 1999	R. D. Worthington	N. McKittrick Canyon	UTEP
21 AUG 1999	R. D. Worthington	White Mule Ridge	UTEP
28 AUG 1999	R. D. Worthington	Big Canyon	UTEP
05 SEP 1999	R. D. Worthington	Devil=s Den Spring	UTEP
06 SEP 1999	R. D. Worthington	Big Canyon	UTEP
11 SEP 1999	R. D. Worthington	Gunsight Ridge	UTEP
03 MAY 2000	R. D. Worthington	Sitting Bull Falls	UTEP
04 MAY 2000	R. D. Worthington	Wilderness Ridge	UTEP
14 MAY 2000	R. D. Worthington	Dark Canyon Fire Lookout Tower	UTEP
15 MAY 2000	R. D. Worthington	North Side of Wilderness Ridge	UTEP
01 JUN 2000	R. D. Worthington	0.7 mi. SE Klondyke Gap; Robinson Can.	UTEP
02 JUN 2000	R. D. Worthington	Devil=s Den Spring	UTEP
08 JUN 2000	R. D. Worthington	Sitting Bull Falls	UTEP
12 JUL 2000	R. D. Worthington	Upper Big Canyon	UTEP
13 JUL 2000	R. D. Worthington	Devil=s Den Canyon	UTEP
28 JUL 2000	R. D. Worthington	upper Big Canyon	UTEP
30 JUL 2000	R. D. Worthington	White Oak Canyon	UTEP
13 AUG 2000	R. D. Worthington	Big Canyon Ridge	UTEP
02 SEP 2000	R. D. Worthington	Devil=s Den Canyon; Gig Canyon Ridge	UTEP
03 SEP 2000	R. D. Worthington	SW of Queen	UTEP
17 SEP 2000	R. D. Worthington	mouth of Pup Canyon	UTEP
01 OCT 2000	R. D. Worthington	N slopes Wilderness Ridge	UTEP
15 Aug 2004	R. D. Worthington	Whites City	UTEP
10 SEP 2004	R. D. Worthington	Whites City	UTEP
19 SEP 2004	R. D. Worthington	1.5 mi. NE of Whites City	UTEP

## SURVEY OF FLORA

### THALLOPHYTA (Lichens)

ACAROSPORA FUSCATA (Schrader) Arnold

[RDW 29988: UTEP]

[Substrate: Sandstone]

ACAROSPORA SCHLEICHERI (Ach.) Massal.

[*Acarospora albida* H. Magn.]

[RDW 29988: UTEP]

[Substrate: sandstone]

ACAROSPORA SMARAGDULA (Wahlenb.) Massal.

[*Acarospora strigata* (Nyl.) Jatta]  
[RDW 29929: UTEP]  
[Substrate: sandstone]  
ACAROSPORA TEXANA H. Magn.  
[*Pleopsidium chlorophanum* (Wahlenb.) Zopf]  
[RDW 28197: UTEP; COLO]  
[Substrate: sandstone]  
AMANDINEA PUNCTATA (Hoffm.) Coppins & Scheid.  
[*Buellia punctata* (Hoffm.) A. Massal.]  
[RDW 27752: UTEP; COLO]  
[Substrate: bark]  
BUELLIA SPURIA (Schaerer) Anzi  
[RDW 29998: UTEP]  
[Substrate: sandstone]  
CALOPLACA ARIZONICA Magn.  
[RDW 28298: UTEP, COLO]  
[Substrate: juniper bark]  
CALOPLACA CHRYSOPHALMA Degel.  
[RDW 28858, 28825: UTEP]  
[Substrate: oak bark]  
CALOPLACA EUGYRA (Tuck.) Zahlbr.  
[RDW 29987: UTEP]  
[Substrate: travertine]  
CALOPLACA FLAVOVIRESCENS (Wulf.) Della Torre & Sornth.  
[RDW 27751: UTEP; COLO][RDW 28886: UTEP]  
[Substrate: limestone]  
CALOPLACA MICROPHYLLINA (Tuck.) Hasse  
[RDW *s.n.*: UTEP]  
[Substrate: juniper wood]  
CALOPLACA MODESTA (Zahlbr.) Fink  
[RDW 28192: UTEP; COLO]  
[Substrate: sandstone]  
CALOPLACA OBLONGULA (H. Magn.) Wetmore  
[RDW 29930: UTEP]  
[Substrate: sandstone]  
CALOPLACA cf. PELODELLA (Nyl.) Hasse  
[RDW 28191: UTEP; COLO]  
[Substrate: sandstone]  
CANDELARIA CONCOLOR (Dicks.) B. Stein  
[RDW 27747: UTEP; COLO][RDW 28326: UTEP; COLO][RDW 28798.5: UTEP]  
[Substrate: bark]  
CATAPYRENIUM CINEROPULVINATUM Thompson  
[RDW 29962: UTEP]  
[Substrate: crack in limestone rockface]  
CLADONIA CARIOSA (Ach.) Sprengel  
[RDW 30144: UTEP]  
[Substrate: dirt on roadcut]  
CLADONIA CONIOCRAEA (Florke) Sprengel  
[RDW 30316: UTEP]  
[Substrate: rotting conifer wood]  
CLADONIA FIMBRIATA (L.) Fr.  
[RDW 29949: UTEP]  
[Substrate: on bark of *Prunus* near ground]  
CLADONIA PYXIDATA (L.) Hoffm.  
[RDW 28896: UTEP]



[Substrate: on moss and dirt on limestone rockface]  
COLLEMA POLYCARPON Hoffm.  
[RDW 28835, 30319: UTEP]  
[Substrate: limestone rockface]  
COLLEMA TEXANUM Tuck.  
[RDW 30162: UTEP]  
[Substrate: flat ledge of shaded limestone rockface]  
DERMATOCARPON MINIATUM (L.) Mann.  
[RDW 27755: UTEP]  
[Substrate: limestone]  
DIPLOSCHISTES CANDIDISSIMUS (Kremp.) Zahl.  
[RDW 28190: UTEP]  
[Substrate: sandstone]  
Note: this is the first record of this species from New Mexico.  
ENDOCARPON PUSILLUM Hedwig  
[RDW 28887: UTEP]  
[Substrate: dirt in crack of limestone ledge]  
FLAVOPARMELIA CAPERATA (L.) Hale  
[RDW 28652: UTEP; COLO][RDW 28815, 28846, 28920: UTEP; COLO; SBBG]  
[Substrate: conifer wood and Douglas fir bark]  
FLAVOPUNCTELIA FLAVENTIOR (Strit.) Hale  
[RDW 28296, 28843: UTEP]  
[Substrate: pine bark]  
FLAVOPUNCTELIA PRAESIGNIS (Nyl.) Hale  
[RDW 28885, 28844: UTEP]  
[Substrate: oak and pine bark]  
FLAVOPUNCTELIA SOREDICA (Nyl.) Hale  
[RDW 28294, 28857: UTEP; SBBG]  
[Substrate: bark]  
FULGENSIA DESERTORUM (Tomin) Poelt  
[RDW 30303: UTEP, COLO]  
[Substrate: gypsum]  
HEPPIA LUTOSA (Ach.) Nyl.  
[RDW 29961: UTEP]  
[Substrate: crack in limestone rockface]  
HETERODERMIA DIADEMATA (Tayl.) Awasthi  
[RDW 27734: UTEP; COLO]  
HETERODERMIA RUGULOSA (Kurok.) Wetmore  
[RDW 27734: UTEP; COLO][RDW 28329: COLO][RDW 28793, 28822, 29944: UTEP; SBBG]  
[Substrate: bark of *Quercus*, *Acer* and *Prunus*]

HYPERPHYSIA SYNCOLA (Tuck. ex Nyl.) Kalb  
[RDW 27745: COLO; UTEP][RDW 28795: UTEP; SBBG]  
[Substrate: bark of *Prunus* and *Acer*]  
LECANORA ALBELLA (Pers.) Ach.  
[RDW 30320: UTEP]  
[Substrate: bark of *Amelanchier*]  
LECANORA AGROPHOLIS (Ach.) Ach.  
[RDW 29991: UTEP]  
[Substrate: sandstone]  
LECANORA CAESIORUBELLA Ach.  
[RDW 28818: UTEP; SBBG]  
[Substrate: juniper wood]  
LECANORA CHLAROTEA Nyl.

[RDW 30279: UTEP]  
[Substrate: bark of ponderosa pine]  
LECANORA MURALIS (Schreber) Rabenh.  
[*Protoparmeliopsis muralis* (Schreber) Choisy]  
[RDW 29994, 29995: UTEP]  
[Substrate: sandstone]  
LECANORA cf. VALESIACA (Muell.-Arg.) Sitzenberger  
[RDW 27749: UTEP; COLO]  
[Substrate: sandstone]  
LECIDEA TESSELLATA (Ach.) Florke  
[RDW 27750: UTEP; COLO][RDW 28827: UTEP; SBBG]  
[Substrate: sandstone]  
LEPRARIA sp.  
[RDW 28862: UTEP; SBBG]  
[Substrate: oak bark]  
LEPTOGIUM FURFURACEUM (Harm.) Sierk  
[*Leptogium papillosum* (B. de Lesd.) Dodge]  
[RDW 27741: UTEP; COLO][RDW 28796, 29936: UTEP]  
[Substrate: oak bark]  
LEPTOGIUM PSEUDOFURFURACEUM Joergensen & Wallace  
[RDW 28821: UTEP]  
[Substrate: oak bark]  
LOBTHALLIA ALPHOPLACA (Wahlenb. ex Ach.) Mass.  
[*Aspicilia alphoplaca* (Wahlenb.) Poelt & Leuckert]  
[RDW 28196: UTEP; COLO]  
[Substrate: sandstone]  
LOBTHALLIA RADIOSA (Hoffm.) Schaer  
[*Aspicilia radiosa* (Hoffm.) Poelt & Leuckert]  
[RDW 28195: UTEP; COLO]  
[Substrate: sandstone]  
MARONIA CONSTANS (Nyl.) Hepp  
[RDW 27742: UTEP, COLO][RDW 28847: UTEP]  
[Substrate: Douglas fir bark]  
MEGASPORA VERRUCOSA (Ach.) Hafellner & V. Wirth  
[*Pachyspora mutabilis* (Ach.) A. Massal.]  
[RDW 28295: UTEP, COLO][RDW 28797, 29938, 29942: UTEP]  
[Substrate: bark of *Quercus* and *Prunus*]  
MELANELIA SUBOLIVACEA (Nyl. In Hasse) Essl.  
[RDW 28852: UTEP]  
[Substrate: pinyon pine bark]  
OCHROLECHIA SUBSIDIATA Brodo  
[RDW 30278: UTEP]  
[Substrate: ponderosa pine bark]  
PANNARIA TAVARESII Joergensen  
[RDW 30170: UTEP]  
[Substrate: bark of *Juniperus scopulorum*]  
PELTIGERA CANINA (L.) Willd.  
[RDW 30140: UTEP]  
[Substrate: on humus on ground]  
PELTIGERA COLLINA (Ach.) Ach.  
[RDW 28833, 29984: UTEP]  
[Substrate: over moss and on humus on ground]  
PERTUSARIA AZULENSIS Lesdain  
[RDW 28816, 28848, 28906: UTEP; COLO; SBBG]  
[Substrate: juniper wood and Douglas fir bark]

PERTUSARIA SAXIMONTANA Wetmore  
[RDW 30280: UTEP]  
[Substrate: ponderosa pine bark]

PHAEOPHYSCIA ADIASTOLA (Essl.) Essl.  
[RDW 29951: UTEP; SBBG]  
[Substrate: limestone]

PHAEOPHYSCIA HIRTELLA Essl.  
[RDW 28861a, 28868: UTEP; SBBG]  
[Substrate: oak bark]

PHAEOPHYSCIA KAIRAMOI (Vain.) Moberg  
[RDW 29935, 30280.5: UTEP; SBBG]  
[Substrate: oak bark]

PHYSICIA AIPOLIA (Ehr. ex Humb.) Furnr.  
[RDW 29941: UTEP; SBBG]  
[Substrate: bark of *Prunus*]

PHYSICIA BIZIANA (Mass.) A. Zahlbr.  
[RDW 27753, 28293: UTEP][RDW 28861b, 28792: UTEP]  
[Substrate: bark]

PHYSICIA STELLARIS (L.) Nyl.  
[RDW 28792: UTEP]  
[Substrate: bark]

PHYSCONIA DETERSA (Nyl.) Poelt  
[RDW 29952: UTEP]  
[Substrate: on shaded limestone rockface]

PHYSCONIA MUSCIGENA (Ach.) Poelt  
[RDW 28904: UTEP]  
[Substrate: on moss and dirt on limestone]

PLACYNTHIUM NIGRUM (Hudson) Gray  
[RDW 27748: UTEP; COLO]  
[Substrate: sandstone]

PLACYNTHIUM SUBRADIATUM (Nyl.) Arnold  
[RDW 28316: UTEP; COLO]  
[Substrate: dolomite]

PSEUDEVERNIA CONSOCIANS (Vain.) Hale & Culb.  
[RDW30209: UTEP, COLO]  
[Substrate: trunk of Douglas fir]

PSEUDEVERNIA INTENSA (Nyl.) Hale & Culb.  
[RDW 28650: UTEP][RDW 28853: UTEP; SBBG]  
[Substrate: bark of pinyon pine]

PSORA CRENATA (Tayl.) Reinke  
[Timdal, 1986, mapped]  
[RDW 27869: UTEP][RDW 28802: UTEP; SBBG]  
[Substrate: on dirt in cracks of limestone]

PSORA DECIPIENS (Hedw.) Hoffm.  
[RDW 30302: UTEP, COLO]  
[Substrate: gypsum bank]

PSORA PSEUDORUSSELLII Timdal  
[RDW 28880: UTEP]  
[Substrate: limestone]

PUNCTELIA BOLLIANA (Müll. Arg.) Krog  
[RDW 28832A, 28859: UTEP; SBBG; COLO]  
[Substrate: oak bark]

PUNCTELIA HYPOLEUCITES (Nyl.) Krog  
[RDW 28654: UTEP; COLO][RDW 28832B, 29959, 28849: UTEP]

[Substrate: bark of oak and Douglas fir]  
RAMALINA SINENSIS Jatta  
[RDW 28842, 28860, 30277: UTEP]  
[Substrate: on oak and pine bark]  
SPEERSCHNEIDERA EUPLOCA (Tuck.) Trev.  
[RDW 28791, 28836: UTEP, COLO; SBBG]  
[Substrate: shaded limestone rockfaces]  
STAUROTHELE EFFIGURATA Thomson  
[RDW 28193: UTEP; COLO]  
[Substrate: sandstone]  
STAUROTHELE ELENKINII Oxner  
[RDW 28198, 29933: UTEP]  
[Substrate: sandstone]  
TONINIA CANDIDA (Weber) Th. Fr.  
[RDW 30208: UTEP]  
[Substrate: shaded limestone rockface]  
TONINIA SEDIFOLIA (Scop.) Timdal  
[RDW 28895, 28807: UTEP; SBBG]  
[Substrate: shaded limestone rockface]  
TONINIA TRISTIS (Th. Fr.) Th. Fr.  
[RDW 28806: UTEP]  
[Substrate: limestone rockface]  
TUCKERMANNOPSIS CORALLIGERA (Weber) Weber  
[*Cetraria coralligera* (Weber) Hale]  
[RDW 28821, 28910: UTEP, COLO; SBBG]  
[Substrate: juniper wood]  
USNEA ARIZONICA Mot.  
[RDW 28651: UTEP][RDW 28851: UTEP; SBBG]  
[Substrate: pinyon pine]  
USNEA CAVERNOSA Tuck.  
[RDW 28653: UTEP; COLO]  
[Substrate: conifer twigs]  
XANTHORIA ELEGANS (Link) Th. Fr.  
[RDW 29950: UTEP]  
[Substrate: dolomite rockface]  
XANTHORIA MONTANA Lindblom  
[*Xanthoria polycarpa* (Hoffm.) Rieber in many treatments]  
[RDW 27746: UTEP; COLO][RDW 28798: UTEP]  
[Substrate: bark]  
XANTHOPARMELIA COLORADOENSIS (Gyel.) Hale  
[*Xanthoparmelia taractica* (Kremp.) Hale]  
[RDW 28837: UTEP]  
[Substrate: sandstone]  
  
XANTHOPARMELIA CUMBERLANDIA (Gyel.) Hale  
[RDW 28814, 28881, 28882: UTEP]  
[Substrate: on sandstone and juniper wood]  
XANTHOPARMELIA LINEOLA (Berry) Hale  
[RDW 28829, 2883: UTEP][RDW 28830: ASU]  
[Substrate: sandstone]

## **BRYOPHYTA (Mosses)**

## AMBLYSTEGIACEAE

- AMBLYSTEGIUM SERPENS (Hedw.) BSG var. JURATZKANUM Schimp.  
[RDW 28645: UTEP, COLO; NMCR]  
CAMPYLIUM CHRYSOPHYLLUM (Brid.) J. Lange  
[Whitehouse & McAllister, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2852 (MICH)]  
LEPTODICTYUM RIPARIUM (Hedw.) Warnst.  
[Whitehouse & McAlister, 1954]  
[Records: McKitrick Canyon, 15 Aug 1924, *Standley* 40507 and 21 Jul 1931, *Moore*  
& *Steyermark* 3539]

## BRACHYTHECIACEAE

- BRACHYTHECIUM WOOTONII Grout  
[Whitehouse & McAllister, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2846a, 2852 (MICH)]

## BRYACEAE

- BRYUM ARGENTEUM Hedw.  
[*Bryum lanatum* P. Beauv.]  
[Whitehouse & McAllister, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2845 (MICH); 0.7 mi. SE Klondike Gap, 6400 ft.,  
*Worthington* 29939 (UTEP)]  
BRYUM PSEUDOTRIQUETRUM (Hedw.) Gaertn. *et al.*  
[Whitehouse & McAlister, 1954]  
[Records: near Pinetop, 3 May 1947, *Harvill* 2848b (MICH)]  
BRYUM TURBINATUM (Hedw.) Turn.  
[Whitehouse & McAllister, 1954]  
[Records: Smith Canyon, 3 May 1947, *Harvill* 2837 (MICH)]  
POHLIA ELONGATA Hedw.  
[RDW 27736: UTEP; COLO]

## DITRICHACEAE

- CERATODON PURPUREUS (Hedw.) Brid.  
[Whitehouse, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2844b, 2848 (Mich)]

## ENCALYPTACEAE

- ENCALYPTA VULGARIS Hedw.  
[Records: above Middle Fork of Big Canyon, *Worthington* 30135 (UTEP)]

## ERPODIACEAE

- VENTURIELLA SINENSIS (Vent.) Müll.  
[Whitehouse & McAllister, 1954]

[Records: McKittrick Canyon, 21 Jul 1931, *Moore & Steyermark* 3524]

## FABRONIACEAE

FABRONIA CILIARIS (Brid.) Brid.  
[*Fabronia wrightii* Sull.]  
[Whitehouse & McAllister, 1954]  
[Records: Smith Canyon, 3 May 1947, *Harvill* 2831, 2832 (MICH)]

## FUNARIACEAE

FUNARIA HYGROMETRICA Hedw.  
[Whitehouse & McAllister, 1954]  
[Records: McKittrick Canyon, 15-17 Aug 1924, *Standley* 40550]

## GRIMMIACEAE

GRIMMIA ARIZONAE Ren. & Card.  
[Whitehouse & McAllister, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2844g (MICH); near Devil=s Den Spring, *Worthington* 28809 (UTEP); Wilderness Ridge, *Worthington* 28919 (UTEP)]

GRIMMIA PULVINATA (Hedw.) Sm.  
[Records: *Worthington* 28813 (UTEP; COLO)]

JAFFUELIOBRYUM WRIGHTII (Sull.) Ther.  
[*Grimmia wrightii* (Sull.) Aust.]  
[Records: Smith Canyon, 3 May 1947, *Harvill* 2833 (MICH); *Worthington* 27738 (UTEP; COLO)]

PTYCHOMITRIUM LEIBERGII Best.  
[RDW 28646: UTEP; COLO; NMCR]

PTYCHOMITRIUM SERRATUM B.S.G.  
[Whitehouse & McAllister, 1954]  
[Records: Guadalupe Mts., 15-17 Aug 1924, *Standley* 4068; McKittrick Canyon, 18 Jul 1931, *Moore & Steyermark* 3796]

SCHISTIDIUM APOCARPUM (Hedw.) Bruch & Schimp. in B.S.G.  
[*Grimmia apocarpa* Hedw.]  
[Whitehouse & McAllister, 1954]  
[Records: Smith Canyon, 3 May 1947, *Harvill* 2833 (MICH); Pine Top, 3 May 1947, *Harvill* 2846c (MICH); *Worthington* 28317 (UTEP; COLO)]

## HEDWIGIACEAE

HEDWIGIA CILIATA (Hedwig.) P. Beauv.  
[Records: *Worthington* 30139 (UTEP)]

## HYPNACEAE

HOMOMALLIUM MEXICANUM Card.  
[Records: McKittrick Canyon, 18 Jul 1931, *Moore & Steyermark* 3493, 3495;  
Pine Canyon, 3 May 1947, *Harvill* 2842 (MICH); Pine Top, 3 May 1947, *Harvill* 2849 (MICH); *Worthington* 27739 (UTEP; COLO); *Worthington* 28322 (UTEP; COLO; NMCR)]

HYPNUM CUPRESSIFORME Hedw.

- [RDW 28649: UTEP; COLO; NMCR]  
HYPNUM REVOLUTUM (Mitt.) Lindb.  
[Whitehouse & McAlister, 1954]  
[Records: Guadalupe Peak, 28 Jul 1931, *Moore & Steyermark* 3678; near Pine Top,  
3 May 1947, *Harvill* 2864b (MICH); Devil=s Den Canyon, *Worthington* 29970 (UTEP)]  
HYPNUM VAUCHERI Lesq.  
[Whitehouse & McAlister, 1954]  
[Records: Smith Canyon, 10 Jul 1949, *Turner* 1242]  
PLATYGYRIUM FUSCOLUTEUM Card.  
[Whitehouse & McAlister, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2844, 2848a (MICH)]  
PYLAISIA SUBDENTICULATA B.S.G.  
[Whitehouse & McAlister, 1954]  
[Records: Pipe Canyon, 3 May 1947, *Harvill* 2841 (MICH); Pine Top, 3 May 1947,  
*Harvill* 2844c (MICH)]

## LESKEACEAE

- ANOMODON MINOR (Hedw.) Fürnr.  
[Whitehouse & McAlister, 1954; Vitt & Lee, 1984]  
[Records: McKitrick Canyon, 26 Jul 1931, *Moore & Steyermark* 3654]  
BRYOHAPLOCLADIUM MICROPHYLLUM (Hedw.) Wat. & Iwats.  
[*Haplocladium microphyllum* (Hedw.) Broth.]  
[Whitehouse & McAlister, 1954]  
[Records: Pine Top, 3 May 1947, *Harvill* 2844d (MICH)]  
LESCURAEA ARIZONAE (Williams) P. Wils. & Norris  
[*Pseudoleskeella arizonae* (Williams) Lawt.]  
[Wilson & Norris, 1989]  
[Records: TX, Culberson Co., near Pine Top, *Harvill* 2846 (MO)]  
LINDBERGIA BRACHYPTERA (Mitt.) Kindb.  
[Crum, 1956]  
[Records: Smith Canyon, 3 May 1947, *Harvill* 2836a (MICH); Pine Top, 3 May 1947,  
*Harvill* 2843a (MICH); Dark Canyon Lookout, *Worthington* 28874 (UTEP); Wilderness  
Ridge, *Worthington* 28898.5 (UTEP); Devil=s Den Spring, *Worthington* 30168 (UTEP);  
*Worthington* 30314 (UTEP); *Worthington* 28667 (UTEP; COLO; NMCR)]  
LINDBERGIA MEXICANA (Besch.) Card. *ex* Pringle  
[Whitehouse & McAlister, 1954]  
[Records: Pipe Canyon, 3 May 1947, *Harvill* 2842 (MICH)]

## ORTHOTRICACEAE

- ORTHOTRICHUM ANOMALUM Hedw.  
[Whitehouse & McAllister, 1954]  
[Records: near Pine Top, 3 May 1947, *Harvill* 2850 (MICH)]  
ORTHOTRICHUM DIAPHANUM Brid.  
[Whitehouse & McAllister, 1954]  
[Records: Smith Canyon, 3 May 1947, *Harvill* 2836a (MICH); near Pine Top, 3 May 1947,  
*Harvill* 2843 (MICH)]

## POTTIACEAE

- BRYOERYTHROPHYLLUM RECURVIROSTRE (Hedw.) Chen  
[Whitehouse & McAllister, 1954]

- [Records: near Pine Top, 3 May 1947, *Harville* 2844a, 2847 (MICH)]  
 DIDYMODON TOPHACEUS (Brid.) Lisa  
 [Whitehouse & McAllister, 1954]  
 [Records: Smith Canyon, 3 May 1947, *Harvill* 2837, 2839(MICH)]  
 GYMNOSTOMUM AERUGINOSUM Sm.  
 [Records: Sitting Bull Falls, *Worthington* 28801 (UTEP); Devil's Den Spring, *Worthington* 28801 (UTEP)]  
 GYMNOSTOMUM RECURVIROSTRUM Hedw.  
 [Whitehouse & McAllister, 1954]  
 [Records: Guadalupe Mts., 1931, *Steyermark & Moore* 3582]  
 PLEUROCHAETE SQUARROSA (Brid.) Lindb.  
 [RDW 27736, 28647: UTEP; COLO; NMCR]  
 SYNTRICHIA FRAGILIS (Tayl.) Ochyra  
 [*Tortula fragilis* Tayl.]  
 [Whitehouse & McAllister, 1954]  
 [Records: Pine Top, 3 May 1947, *Harvill* 2846 (MICH); Smith Spring, 3 May 1947, *Harvill* 2833 (MICH)]  
 SYNTRICHIA NORVEGICA Weber & Mohr.  
 [Records: *Worthington* 30315 (UTEP; COLO)]  
 SYNTRICHIA OBTUSISSIMA (C. Müll.) Zander  
 [*Tortula obtusissima* (C. Müll.) Mitt.]  
 [Whitehouse & McAllister, 1954]  
 [Records: McKittrick Canyon, 15-17 Aug 1924, *Standley* 40513]  
 SYNTRICHIA PAGORUM (Milde)Amann  
 [*Tortula pagorum* (Milde) De Not.]  
 [Whitehouse & McAllister, 1954]  
 [Records: near Pine Top, 3 May 1947, *Harvill* 2836 (MICH)]  
 SYNTRICHIA PAPILLOSA (Wils.) Jur.  
 [Records: *Worthington* 28915 (UTEP)]  
 SYNTRICHIA RURALIS (Hedw.) Web. & Mohr.  
 [*Tortula ruralis* (Hedw.) Gaertn., Meyer & Scherb.]  
 [Records: *Worthington* 27737 (UTEP; COLO); Sitting Bull Falls, *Worthington* 28788 (UTEP); Dark Canyon Fire Lookout Tower, *Worthington* 28872 (UTEP)]  
 TORTELLA FLAVOVIRESCENS (Bruch) Broth.  
 [Whitehouse & McAllister, 1954]  
 [Records: near Pine Top, 3 May 1947, *Harvill* 2844c (MICH)]  
 TORTELLA HUMILIS (Hedw.) Jenn.  
 [Records: White Oak Canyon, *Worthington* 30186 (UTEP; COLO)]  
 TORTULA ATROVIRENS (Sm.) Lindberg  
 [Records: mouth of Pup Canyon on gypsum, *Worthington* 30301(UTEP; COLO)]

## PTYCHOMITRIACEAE

- PTYCHOMITRIUM LEIBERGII Best  
 [Records: Dark Canyon Fire Lookout Tower, *Worthington* 28877 (UTEP)]

## HEPATOPHYTA (Liverworts)

## AYTONIACEAE

- PLAGIOCHASMA WRIGHTII Sull.



[RDW 27707: UTEP; COLO]

## JUBULACEAE

FRULLANIA INFLATA Gott.

[RDW 27734: UTEP; COLO]

## PORELLACEAE

PORELLA CORDAENA (Hub.) Moore

[RDW 28668: UTEP; COLO]

## LYCOPODIOPHYTA

### SELAGINELLACEAE

### Spikemoss Family

SELAGINELLA cf. ARIZONICA Maxon

[Correll, 1949; Valdespino, 1993, mapped]

[Records: NM: RDW 27706 (UTEP)]

Arizona Spikemoss

SELAGINELLA LEPIDOPHYLLA (Hook. & Greville) Spring in Martius *et al.*

[Valdespino, 1993, mapped]

Resurrection Plant

SELAGINELLA MUTICA D. C. Eaton

[Dittmer *et al.*, 1954; Burgess & Northington, 1981; Valdespino, 1993, two varieties mapped]

[Records: TX, Culberson Co., top of Bush Mtn., *Burgess* 4375 (TTC; GUMO); McKittrick Canyon, *Stanford* 1127 (GUMO); Pine Springs Canyon, *Correll & Correll* 2611 (TEX-LL); Pine Canyon, *Young* (TEX-LL); NM, RDW 29980 (UTEP, UCR)]

SELAGINELLA PERUVIANA (J. Milde) Hieron

[Tryon, 1955, mapped; Burgess & Northington, 1981; Valdespino, 1993, mapped]

[Records: TX, near Upper Sloth Cave (Burgess & Northington, 1981); NM, RDW 29954 (UTEP, CHSH, UCR)]

Peruvian Spikemoss

SELAGINELLA PILIFERA A. Br.

[*Selaginella pringlei* Baker]

[Hershey, 1940; Dittmer *et al.*, 1954; Gehlbach, 1965; Fletcher, 1980b; Burgess & Northington, 1981; Valdespino, 1993, mapped; Worthington, 1999b]

[Records: TX, Culberson Co., North McKittrick Canyon, *Burgess* 2064 (TTC; GUMO); Pine Canyon, *Young* (TEX-LL); NM, RDW 28612 (UTEP; UCR)]

Resurrection Plant

SELAGINELLA RUPINCOLA L.

[Valdespino, 1993, mapped]

SELAGINELLA SCOPULORUM Maxon

[*Selaginella densa* Rydb. Var. *scopulorum* (Maxon) R. Tryon]

[Records: NM, Eddy Co., CCNP, *Sutherland* 6937 (NMC)]

SELAGINELLA UNDERWOODII Hieron.

[Van Devender, 1975; Valdespino, 1993, mapped]

Underwood's Spikemoss

SELAGINELLA WRIGHTII Hieron

[Dittmer *et al.*, 1954; Burgess & Northington, 1981; Valdespino, 1993, mapped]

Wright's Spikemoss

## POLYPODIOPYTA (Ferns)

## ASPLENIACEAE

## Spleenwort Family

- ASPLENIUM RESILIENS Kunze Black-stemmed Spleenwort; Rock Spleenwort  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., Blue Ridge Campsite, 8100 ft., *Hougham* (GUMO); South McKittrick Canyon, *Warnock 11924* (TEX-LL), *Correll & Correll 26066* (TEX-LL); Pine Top Mtn., *Correll 13888* (TEX-LL); NM, *RDW 28324, 2862* (UTEP; UCR); *RDW 29958*: (UTEP)]
- ASPLENIUM TRICHOMANES L. ssp. TRICHOMANES  
[Wagner, Moran & Werth, 1993]  
[Records: NM, Eddy Co., Guadalupe Mts., *Hershey* (NMC)]

## AZOLLACEAE

## Azolla Family

- ?AZOLLA MEXICANA C. Presl. Mexican Mosquito Fern  
[Lumpkin, 1993, mapped as occurring in the area]

## DENNSTAEDTIACEAE

- ?PTERIDIUM AQUILINUM (L.) Kuhn var. PUBESCENS L. Western Bracken  
[Jacobs & Peck, 1993, mapped]

## DRYOPTERIDACEAE

## Wood Fern Family

- CYSTOPTERIS BULBIFERA (L.) Bernh. Bulblet Fern; Bladder Fern  
[Dittmer *et al.*, 1954; Correll, 1965; Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981; Haufler, Moran & Windham, 1993, mapped]  
[Records: TX, Culberson Co., South Fork of McKittrick Canyon, a pocket of ledge, several clumps seen, upper part of canyon near pools and rope swing, 21 Jun 1964, *Correll & Hanson 29803* (TEX-LL); upper South McKittrick Canyon, *Burgess 3560* (TTC; GUMO), *3718* (TEX-LL)]
- CYSTOPTERIS REEVESIANA Lellinger Southwestern Brittle Fern  
[Correll, 1949, as *C. fragilis*; Gehlbach, 1965, as *C. fragilis*; Northington & Burgess, 1979, as *C. fragilis*; Haufler, Moran & Windham, 1993, mapped]  
[Records: TX, South McKittrick Canyon, *Warnock 12000* (TEX-LL)]
- CYSTOPTERIS UTAHENSIS Windham & Haefler  
[Records: TX, South McKittrick Canyon, *Warnock 12000* (TEX-LL), *Correll & Hanson 29816* (TEX-LL); Pine Canyon, *Young* (TEX-LL); Guadalupe Mts., *Riskind 1050* (TEX-LL)]
- ?DRYOPTERIS FILIX-MAS (L.) SCHOTT Male Fern  
[Montgomery & Wagner, 1993, mapped as occurring in the area]
- PHANEROPHLEBIA AURICULATA L. Mexican Holly Fern  
[Northington & Burgess, 1979; Burgess & Northington, 1981; Yatskievych, 1993, mapped as occurring in the area]  
[Records: TX, The Narrows, 2.6 km S and 2.0 km W Pratt Lodge (Northington & Burgess, 1979)]
- WOODSIA NEOMEXICANA Windham Cliff Fern  
[*Woodsia mexicana auct. non A. Feé*]  
[Burgess & Northington, 1981]  
[Records: TX, Blue Ridge Campsite, *Hougham* (GUMO); NM, Wilderness Ridge, *RDW 30321* (UTEP)]
- WOODSIA PLUMMERAE Lemmon  
[Records: TX, The Bowl on Pine Top, *Correll 13911* (TEX-LL)]  
Note: Windham (1993) mapped three taxa (*W. plummerae*, *W. neomexicana*, *W. phillipsii*) as

occurring in the area.

## EQUISETACEAE

## Horsetail Family

- EQUISETUM LAEVIGATUM A. Br. Smooth Scouring-rush  
[*Equisetum kansanum* Schaffn.]  
[Gehlbach, 1965; Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., McKittrick Canyon, *Northington 513* (TTC; GUMO),  
*Correll 13962* (TEX-LL), *Warnock & Johnston 16443* (TEX-LL), *Warnock 23171*  
(TEX-LL); NM, *RDW 27666* (UTEP), *Batkin 2* (UTEP)]
- EQUISETUM X FERRISII Clute  
[Records: South McKittrick Canyon, *Warnock 10982* (TEX-LL). *Lind* (TEX-LL)]  
Note: Hauke (1993) mapped *Equisetum hyemale* ssp. *affine* and the hybrid between that species  
and the above (*E. X ferrissii*) as occurring in the area.

## MARSILEACEAE

## Water Clover Family

- MARSILEA VESTITA Hook. ssp. VESTITA Hairy Pepperwort  
[*Marsilea mucronata* A. Br.]  
[Wooton & Standley, 1915; Dittmer *et al.*, 1954; Johnson, 1986]  
[Records: NM, Eddy Co., vicinity of Queen, *Wooton s.n.* (US); Queen, *Standley40706*  
(GH; US)]

## OPHIOGLOSSACEAE

## Adder=s-tongue Family

- ?OPHIOGLOSSUM ENGELMANNII Prantl. Limestone Adder' s-tongue  
[Wagner & Wagner, 1993, mapped as occurring in the area]

## PTERIDACEAE

## Brake Family

- ADIANTUM CAPILLUS-VENERIS L. Southern Maidenhair; Venus' s-hair Fern  
[Fernald, 1950; Dittmer *et al.*, 1954; Gehlbach, 1965; Spellenberg, 1976; Fletcher, 1980a;  
Burgess & Northington, 1981; Windham, 1993; Baker, 1999]  
[Records: TX, Culberson Co., McKittrick Canyon, *Moore & Steyermark 3548* (MO); Pine  
Springs Campground, *Correll 13863* (TEX-LL); Frijole, *Lundell & Lundell 14396* (TEX-LL);  
Taylor's Spring, *Young* (TEX-LL); NM, Eddy Co., Sitting Bull Falls, *Ferguson 309* (UCR), *J. & C.*  
*Meyers* (UTEP), Last Chance Canyon, *Worthington 27962* (UTEP; UCR)]
- ARGYROCHOSMA LIMITANEA (Maxon) Windham Southwestern False Cloakfern  
[Burgess & Northington, 1981]  
[Records: NM, *RDW 28627* (UTEP)]
- ARGYROCHOSMA MICROPHYLLA (Met. *ex* Kuhn) Windham Small-leaf False Cloakfern  
[*Notholaena parvifolia* R. Tryon; *Pellaea microphylla* Met. *ex* Kuhn]  
[Wooton & Standley, 1915; Dittmer *et al.*, 1954; Gehlbach, 1965; Knobloch, Tai & Ninan,  
1973; Van Devender, 1977; Burgess & Northington, 1981; Windham, 1993, mapped]  
[Records: Guadalupe Mts., *Knobloch* (Mich. St. ?) *Young* (TEX-LL); Pine Springs  
Canyon, *Whitehouse 17149* (TEX-LL); above Pine Springs Campground, *Correll 13855*  
(TEX-LL); NM, Eddy Co., Queen, *Wooton* (NMC); *RDW 27858* (UTEP; UCR)]
- ASTROLEPIS COCHISENSIS (Goodd.) Benham & Windham Cochise Scaly Cloakfern  
[*Notholaena cochisensis* Goodd.; *Cheilanthes cochisensis* (Goodd.) Mickel;  
*C. sinuata* (Lagasca *ex* Swartz) Domin var. *cochisensis* (Goodd.) Munz; *Notholaena*  
*sinuata* (Lagasca *ex* Swartz) Kaulfuss var. *cochisensis* (Goodd.) Weatherby]  
[Dittmer *et al.*, 1954; Warnock, 1974; Burgess & Northington, 1981; Worthington, 1999a;  
Spellenberg & Wooten, 1999]  
[Records: TX: Pine Springs, *Whitehouse* (TEX-LL); Guadalupe Canyon, *Correll 13846*

(TEX-LL); 4 mi. NE of Pine Springs, *Correll & Johnston 19127* (TEX-LL); NM, Eddy Co., near mouth Slaughter Canyon, *Burgess 4482* (TTC; GUMO); CCNP, *Sutherland* (NMC); Queen, *Wooton* (NMC - annotated ssp. *chihuahuensis* by Benham); near the mouth of Pup Canyon, *Spellenberg*(NMC); 5 mi. S of Sitting Bull Falls, *Higgins 6724* (NMC); *RDW 27959* (UTEP, UCR; RSA-POM); *Spellenberg 12444* (NMC)]

Note: Windham (1993) mapped subspecies *cochisensis* and *chihuahuensis* as occurring in the area.

- ASTROLEPIS INTEGERRIMA (Hook.) Benham & Windham Wavyleaf Cloakfern  
 [*Notholaena sinuata* (Lagasca ex Swartz) Kaulfuss var. *integerrima* Hook.; *Cheilanthes integerrima* (Hook.) Mickel; *Notholaena integerrima* (Hook.) Hevly]  
 [Wooton & Standley, 1915; Dittmer *et al.*, 1954; Burgess & Northington, 1981; Windham, 1993, mapped]
- ASTROLEPIS SINUATA (Lagasca ex Swartz) Benham & Windham ssp. SINUATA Bulb Lipfern  
 [*Notholaena sinuata* (Lagasca ex Swartz) Kaulfuss]  
 [Wooton & Standley, 1915; Dittmer *et al.*, 1954; Gehlbach, 1965; Burgess & Northington, 1981; Heil & Brack, 1984; Windham, 1993, mapped]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); NM, Eddy Co., CCNP, *Sutherland 6935* (NMC)]
- ?ASTROLEPIS WINDHAMII Benham Windham ' s Scaly Cloakfern  
 [Windham, 1993, mapped]  
 Note: This taxon is an apogamous allotriploid with three different genomes (Windham, 1993).
- BOMMERIA HISPIDA (Mett.) Underw. Copper Fern; Hairy Bommeria  
 [Dittmer *et al.*, 1954; Windham, 1993, mapped]
- CHEILANTHES ALABAMENSIS (Buckl.) Kunze Alabama Lip Fern  
 [Maxon, 1925; Dittmer *et al.*, 1954; Burgess & Northington, 1981; Windham, 1993, mapped]  
 [Records: TX: McKittrick Canyon, *Hougham* (GUMO), *Correll & Correll 26093* (TEX-LL); NM, Big Canyon, 4 Jun 1924, *Lee 158* (US?)
- ?CHEILANTHES BONARIENSIS (Willd.) Proctor Bonaire Lipfern  
 [Windham, 1993, mapped]
- CHEILANTHES EATONII Baker Eaton ' s Lipfern  
 [*Cheilanthes castanea* Maxon]  
 [Maxon, 1925; McVaugh, 1952; Dittmer *et al.*, 1954; Gehlbach, 1965; Knobloch, Tai & Adangappuram, 1975; Van Devender, 1977; Burgess & Northington, 1981; Windham, 1993, mapped; Baker, 1999]  
 [Records: TX, Pine Spring Canyon, *Whitehouse 17109* (TEX-LL); Pine Top Mtn., *Correll 13887* (TEX-LL); McKittrick Canyon, *Warnock 11944* (TEX-LL), *Burgess 41844* (TTC, GUMP); NM, Eddy Co., Carsbad Caverns, *Bailey* (US?); Carlsbad Caverns Natl. Park, *J. K. Baker* (Mich. State ?); Queen, *Wooton* (NMC); *Baker, 13365*; *RDW 29927* (UTEP)]
- CHEILANTHES FEEI T. Moore Slender Lipfern; Fee Lipfern  
 [Dittmer *et al.*, 1954; Fletcher, 1980a, 1980b; Burgess & Northington, 1981; Windham, 1993, mapped; Baker, 1999]  
 [Records: TX, E canyon draining The Bowl, *Burgess 4329* (TTC; GUMO); Guadalupe Canyon, *Correll 13848* (TEX-LL); McKittrick Canyon, *Warnock & Johnston 16445* (TEX-LL); Pine Springs, *Whitehouse* (TEX-LL); NM, Queen, *Wooton* (NMC); CCNP, *Sutherland 6982* (NMC); *RDW 27961* (UTEP, UCR); *Baker, 13366*]
- ?CHEILANTHES FENDLERI Hook. Fendler=s Lipfern  
 [Windham, 1993, mapped]
- ?CHEILANTHES LINDHEIMERI Fairy Swords  
 [Windham, 1993, mapped]
- CHEILANTHES TOMENTOSA Link Woolly Lipfern  
 [Dittmer *et al.*, 1954; Gehlbach, 1965; Windham, 1993, mapped]  
 [Records: NM, *RDW 27705* (UTEP)]
- CHEILANTHES VILLOSA Davenp. ex Maxon Scaly Lipfern; Villous Lipfern  
 [Gehlbach, 1965; Burgess & Northington, 1981; Windham, 1993, mapped]  
 [Records: TX, Bone Canyon, *Burgess 4329* (TTC; GUMO); NM, *RDW 28000* (UTEP, UCR)]
- ?CHEILANTHES WOOTONII Maxon Wooton ' s Lipfern

- [Windham, 1993, mapped]  
 ?CHEILANTHES WRIGHTII Hook. Wright ' s Lipfern  
 [Windham, 1993, mapped]  
 ?CHEILANTHES YAVAPENSIS Reeves *ex* Windham Yavapai Lipfern  
 [Windham, 1993, mapped]  
 Note: This is an apogamous tetraploid that formed by hybridization between *C. lindheimeri*  
 and *C. covillei*.  
 ?NOTHOLAENA GRAYI Davenport ssp. GRAYI Gray ' s Cloak Fern  
 [Windham, 1993, mapped as occurring in the area]  
 NOTHOLAENA STANDLEYI Maxon Star Cloak Fern  
 [Wooton & Standley, 1915; Windham, 1993, mapped as occurring in the area]  
 [Records: TX, above Williams Ranch, *Hougham* (GUMO)]  
 PELLAEA ATROPURPUREA (L.) Link Purple Cliffbrake  
 [Wooton & Standley, 1915; Dittmer *et al.*, 1954; Tryon, 1957, mapped; Gehlbach, 1965; V  
 an Devender, 1977; Fletcher, 1979; Burgess & Northington, 1981; Baker, 1999]  
 [Records: TX, upper Sloth Cave, *Burgess 2429* (TTC; GUMO); Guadalupe Canyon,  
*Correll 13851* (TEX-LL); Pine Canyon, *Young* (TEX-LL); NM, Queen, *Wooton* (NMC);  
*RDW 28081, 27859* (UTEP); *Baker, 13364; RDW 30156* (UTEP)]  
 PELLAEA INTERMEDIA Mett. *ex* Kuhn Creeping Cliffbrake  
 [Dittmer *et al.*, 1954; Tryon, 1957, mapped; Burgess & Northington, 1981; Windham,  
 1993, mapped]  
 [Records: NM, *RDW 27971* (UTEP)]  
 PELLAEA TRUNCATA Goodd. Spiny Cliffbrake  
 [*Pellaea longmucronata* Hook.]  
 [Dittmer *et al.*, 1954; Windham, 1993, mapped]  
 PELLAEA WRIGHTIANA Hook. Wright ' s Cliffbrake  
 [*Pellaea ternifolia* (Cav.) Link var. *wrightiana* (Hook.) Tryon]  
 [Lloyd, 1966; Tryon, 1972, chromosome count - tetraploid; Windham, 1993, mapped]  
 [Records: NM, 7 mi. S of Whites City, *Cobean s.n.* (UC); T25S, R21E, Sec. 15, 5000 ft.,  
*McIntosh 1736* (NMC)]

## CONIFEROPHYTA (Conifers)

### CUPRESSACEAE

### Cypress Family

- JUNIPERUS DEPPEANA Steudel var. DEPPEANA Alligator Juniper  
 [*Juniperus pachyphloea* Torr.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Fletcher, 1980a, 1980b; Van Devender, 1980;  
 Watson & Eckenwalder, 1993, mapped; Baker, 1999; Sivinski, 1999]  
 [Records: TX, Pine Springs Campground, *Hougham* (GUMO); near Pratt House, *Adams*  
*1106* (TEX-LL); The Bowl, *Reisch & Riskind* (TEX-LL); McKittrick Canyon, *Correll*  
 & *Johnston* (TEX-LL); NM, Queen, *Wooton* (NMC); *RDW 28096* (UTEP, UCR)  
 var. SPERRYI Correll  
 [Correll, 1966; Adams, 1973; Riskind, 1974; Zanoni, 1978, taxonomic interpretation]  
 [Records: TX, sheltered upper slopes of McKittrick Canyon, 2000 m, 17 Jul 1931,  
*Moore & Steyermark 3472* (A; GH; NY; PH; US)]  
 Note: Adams (1973) reduces this variety to a form of *J. deppeana*.  
 JUNIPERUS MONOSPERMA (Engelm.) Sarg. Oneseed Juniper  
 [Gehlbach, 1965; Adams & Zanoni, 1971; Van Devender, 1980; Burgess & Northington,  
 1981; Watson & Eckenwalder, 1993, mapped; Worthington, 1999a; Sivinski, 1999]  
 [Records: TX, Bone Spring, *Burgess* (TTC; GUMO); NM, Eddy Co., 7.3 mi. SW  
 of Queen, *Chadwick 27* (NMC)]

- JUNIPERUS PINCHOTII Sudworth Red Berry Juniper  
 [Adams & Zaroni, 1971; Warnock, 1974; Van Devender, 1975, 1977; Spellenberg, 1976;  
 Van Devender, 1980; Burgess & Northington, 1981; Heil & Brack, 1984; Watson &  
 Eckenwalder, 1993, mapped; Sivinski, 1999]  
 [Records: TX, Nipple Hill, *Burgess 1649* (TTC; GUMO); McKittrick Canyon, *Coprell  
 13935* (TEX-LL), *Warnock 13971* (TEX-LL); NM, CCNP, *Geluso 110* (NMC); 2.2 mi. E of  
 Queen, *Chadwick 25* (NMC); 3 mi. NW of Sitting Bull Falls, *Spellenberg 10013* (NMC);  
*RDW 28100* (UTEP)]  
 Note: Baker (1999) reports *Juniperus coahuilensis* which was not vouchered.
- JUNIPERUS SCOPULORUM Sarg. Rocky Mountain Juniper  
 [Gehlbach, 1965; Riskind, 1974; Zaroni & Adams, 1975; Northington & Burgess, 1979;  
 Fletcher, 1979, 1980a, 1980b; Burgess & Northington, 1981; Watson & Eckenwalder, 1993, mapped]  
 [Records: TX, McKittrick Canyon, *Warnock 12039* (TEX-LL), *Sanchez* (GUMO);  
 Upper Dog Canyon, *Burgess 1457* (TTC, GUMO); NM, 2 mi. SE Slaughter Canyon,  
 7 Apr 1989, *Allred 4920* (NMCR); upper end of Dark Canyon, *Spellenberg 10023* (NMC); Dark  
 Canyon, *Higgins 7343* (NMC); *RDW 28617, 28673* (UTEP)]

## PINACEAE

## Pine Family

- PINUS EDULIS Engelm. Pinyon  
 [Gehlbach, 1965; Fletcher, 1980a, 1980b; Van Devender, 1980, Holocene remains;  
 Burgess & Northington, 1981; Kral, 1993, mapped]  
 [Records: TX, upper Sloth Cave, *Burgess 2434* (TTC; GUMO); near Pine Spring'  
*Young* (TEX-LL); Pine Springs, *Little & Correll 19011* (TEX-LL); Guadalupe Peak,  
*Everett 76101* (UCR)]
- PINUS PONDEROSA Douglas *ex* Lawson & C. Lawson var. SCOPULORUM Ponderosa Pine  
 Engelm. In S. Watson  
 [Gehlbach, 1965; Fletcher, 1979, 1980a, 1980b; Burgess & Northington, 1981; Kral,  
 1993, mapped]  
 [Records: TX, near Pratt Lodge, *Hougham* (GUMO); The Bowl, *Reisch & Riskind*  
 (TEX-LL); McKittrick Canyon, *Warnock 11917* (TEX-LL); NM, *RDW 28669* (UTEP)]
- PINUS STROBIFORMIS Engelm. Southwestern White Pine; Mexican White Pine  
 [*Pinus flexilis* James var. *Reflexa* Engelm.]  
 [Gehlbach, 1965; Andersen & Steinhoff, 1971; Fletcher, 1980a; Burgess & Northington,  
 1981; Kral, 1993, mapped]  
 [Records: TX, McKittrick Canyon, 2400 m, 17 Jul 1931, *Moore & Steyermark 3469* (MO);  
 jct. Tejas and Juniper Trails, *Hougham* (GUMO); The Bowl, *Reisch & Riskind* (TEX-LL);  
 Pine Springs, *Little & Correll 19009* (TEX-LL); South McKittrick Canyon, *Warnock  
 11918* (TEX-LL); NM, *RDW 28665* (UTEP; UCR)]
- PSEUDOTSUGA MENZIESII (Mirb.) Franco var. GLAUCA Rocky Mountain Douglas Fir  
 (Mayr) Franco  
 [Gehlbach, 1965; Fletcher, 1979, 1980a, 1980b; Burgess & Northington; 1981; Lipscomb,  
 1993, mapped]  
 [Records: TX, jct. Tejas and Juniper Trails, *Hougham* (GUMO); Smith Canyon *Muller 8295*  
 (TEX-LL); SE slope of Pine Top, *Correll 13897* (TEX-LL); NM, *RDW 28640* (UTEP)]

## GNETOPHYTA (Gnetophytes)

### EPHEDRACEAE

### Mormon-tea Family; Joint-fir Family

- EPHEDRA ASPERA Engelm. *ex* S. Wats. Boundary Ephedra; Popotillo; Pitamoreal  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Burgess & Northington, 1981;  
 Stevenson, 1993, mapped; Spellenberg & Wootten, 1999]

[Records: TX, foot of El Capitan, *Young* (TEX-LL); Guadalupe Canyon roadside park, *Correll & Johnston* (TEX-LL); NM, Walnut Canyon, *Burgess* 5434 (TTC; GUMO); Sitting Bull Falls, *Carter*995.5 (NMC); CCNP, *Sutherland* 6943 (NMC); *RDW* 28031 (UTEP, UCR, RSA-POM); *Spellenberg* 12473 (NMC)]

EPHEDRA TORREYANA Wats. Torrey Joint-fir

[Burgess & Northington, 1981]

[Records: TX, 3.2 km N and 3.4 km E of Lewis Well, *Burgess* 3153 (TTC; GUMO)]

EPHEDRA TRIFURCA Torr. *ex* S. Wats. Longleaf Ephedra; Canbatilla; Mexican-tea

[Burgess & Northington, 1981; Heil & Brack, 1984; Stevenson, 1993, mapped]

[Records: TX, rd. to Gray Tank, 9 K Ranch, *Burgess* 2834 (TTC; GUMO)]

## MAGNOLIOPHYTA (Flowering Plants)

### LILIOPSISIDA (Monocots)

#### AGAVACEAE

#### Agave Family

AGAVE GRACILIPES Trel. Slimfooted Agave

[Burgess & Northington, 1981; Gentry, 1982]

[Records: lower McKittrick Canyon, *Burgess* 1218 (TEX-LL), 1281 (TEX-LL), 3512 (UCR); NM, *Worthington* 28101 (UTEP); *McKechnie* *s.n.* (DES); *Gentry & Engard* 23054 (DES)]

NOTE: This agave is a hybrid resulting from a cross between *A. lechuguilla* and *A. neomexicana*]

AGAVE HAVARDIANA Trel. Havard Agave

[Trelease, 1911; Fletcher, 1980a; Burgess & Northington, 1981; Gentry, 1982]

[Records: TX, Culberson Co., Oct 1881, *Havard* *s.n.* (MO, type)] [*Gentry & Engard* 23054 (DES) (from TX)]

Note: A photo was taken of the plant observed in Big Canyon (Fletcher, 1980a).

AGAVE LECHUGUILLA Torr. Lechuguilla

[Mulford, 1896; Hershey, 1940; Gehlbach, 1965; Warnock, 1974; Spellenberg, 1976;

- Van Devender, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981; Gentry, 1982; Heil & Brack, , 1984, 1985]  
 [Records: TX, Guadalupe Mts., 1880 & 1881, *Havard s.n.* (US); Lower McKittrick Canyon, *Burgess 1232* (TEX-LL); McKittrick Canyon, *Burgess 1201* (TEX-LL); NM, *Worthington 28333* (UTEP); *Dole 76*: UC); *Gentry & Engard 23052*: (DES; US)]
- AGAVE NEOMEXICANA Woot. & Standl. New Mexico Agave  
 [McKechnie, 1949; Gehlbach, 1965; Fletcher, 1980a, 1980b; Burgess & Northington, 1981; Gentry, 1982; Worthington, 1999a; Sivinski, 1999]  
 [Records: TX, McKittrick Ridge, *Burgess 1167* (TEX-LL); McKittrick Canyon, *Burgess 1028* (TEX-LL); NM, Eddy Co., Dark Canyon, *Higgins 7363* (NMC)][*Gentry & Hughes 23407* (DES)]  
 Note: The report by Gehlbach (1965) of *Agave parryi* Engelm. is a larger plant of the above (Powell, 1998).
- DASYLIRION LEIOPHYLLUM Engelm. Smooth Sotol  
 [Gehlbach, 1965; Warnock, 1974; Spellenberg, 1976, as *Dasyilirion wheeleri*;  
 Van Devender, 1977; Fletcher, 1980a, 1980b; Burgess & Northington, 1981; Heil & Brack, 1984, as *D. wheeleri*; Worthington, 1999a; Sivinski, 1999; Spellenberg & Wootten, 1999, as *D. wheeleri*]  
 [Records: TX, Culberson Co., Smith Canyon, *Burgess 990* (TTC; GUMO); foothills of Guadalupe Mts., *Warnock 6266* (TEX-LL); 3 mi. N of Pine Springs, *Bogler 716* (TEX-LL); McKittrick Canyon, *Bogler 727* (TEX-LL), *Correll & Johnston 18475* (TEX-LL); NM, Eddy Co., along hwy. 137 5.5 mi. from jct. Hwy 285, *Carter 878* (NMC); Sitting Bull Falls, *Higgins 7387* (NMC)][*Worthington 27812* (UTEP, UCR, UNM)]
- NOLINA MICRANTHA I. M. Johnst. Chaparral Beargrass  
 [Gehlbach, 1965, probably what he called *Nolina microcarpa* S. Wats.; Correll, 1968; Van Devender, 1977; Fletcher, 1980a, 1980b, as *N. microcarpa*; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near Pine Springs, 25 Jul 1957, *Correll & Johnston 18473*, 18581; near Frijole, *Lundell & Lundell 14372* (TEX-LL); Guadalupe Canyon, *Warnock 6323* (TEX-LL); NM, Eddy Co., 5 mi. S of Sitting Bull Falls, *Higgins 6732* (NMC); Sitting Bull Falls, *Higgins 7388* (NMC)]
- NOLINA TEXANA S. Wats. var. TEXANA Texas Sacahuiste; Bunchgrass  
 [Gehlbach, 1965; Burgess & Northington, 1981; Heil & Brack, 1984; Sivinski, 1999]  
 [Records: NM, *Worthington 28091* (UTEP, UCR); *Worthington 30290* (UTEP)]
- YUCCA BACCATA Torr. Datil Yucca; Banana Yucca  
 [Gehlbach, 1965; Spellenberg, 1976; Fletcher, 1979, 1980a, 1980b; Burgess & Northington, 1981; Heil & Brack, 1984; Sivinski, 1999; Worthington, 1999a]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Northington 473* (TTC; GUMO)]
- YUCCA ELATA (Engelm.) Engelm. Soaptree Yucca  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981; Spellenberg & Wootten, 1999]
- YUCCA FAXONIANA Sarg. Faxon Yucca  
 [Gehlbach, 1965, references a specimen in CCNP from North McKittrick Canyon; Correll, 1968 as *Yucca carnerosana*; Northington & Burgess, 1979; Burgess & Northington, 1981, sparse populations in McKittrick, Smith, Pine and Bone Canyons; Robins, 1983]  
 [Records: TX, Culberson Co., McKittrick Canyon, 25 Jul 1957, *Correll & Johnston 18497* (TEX-LL); S fork of McKittrick Canyon, 20 Apr 1962, *Correll & Ogden 25057* (TEX-LL); lower McKittrick Canyon (TTC); ridge S of Smith Spring (TTC); ridge N of Pine Springs Campground (TTC); above Bone Spring (TTC)]  
 Note: The above records are treated as *Yucca carnerosana* in TEX-LL.
- YUCCA TORREYI Shafer Torrey Yucca  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Spellenberg, 1976; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981; Worthington, 1999a; Spellenberg & Wootten, 1999]  
 [RDW 28153.5: UTEP]



## COMMELINACEAE

## Spiderwort Family

- COMMELINA ERECTA L. var. ANGUSTIFOLIA (Michx.) Fern. Erect Dayflower  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: TX, mouth of Pine Canyon, *Young* (TEX-LL)][RDW 27912: UTEP; RSA-POM]  
[GUMO]
- COMMELINA DIANTHIFOLIA Delile Birdbill Dayflower  
[Records: *Worthington 28662* (UTEP)]
- TRADESCANTIA WRIGHTII Rose & Bush Wright Spiderwort  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., McKittrick Ridge, *Burgess 1302* (TTC, GUMO); upper  
Sloth Cave, *Burgess 2395* (TEX-LL); below McKittrick Canyon, ]  
[*Worthington 27899* (UTEP, RSA-POM)] [GUMO]

## CYPERACEAE

## Sedge Family

- BULBOSCHOENUS MARITIMUS (L.) Pallas ssp. PALUDOSUS (A. Nels.) Cosmopolitan Bullrush  
A. & D. Löve  
[*Scirpus paludosus* A. Nels.; *Scirpus maritimus* L.]  
[Gehlbach, 1965]
- CAREX FRANKII Kunth Frank=s Sedge  
[Gehlbach, 1965, as *Carex hystricina* Muhl.; Spellenberg, 1976; Burgess & Northington,  
1981, as *Carex hystricina*]  
[Records: NM, Eddy Co., Sitting Bull Falls, *Higgins 7393* (NMC)]  
[RDW 27693: UTEP; RSA-POM] [GUMO][Batkin 3: UTEP, UCR]  
Note: Baker (1999) reports *Carex hystricina* (#13352) which is likely the above.
- CAREX GEOPHILA K. Mackenzie  
[Burgess & Northington, 1981]  
[Records: TX, ridgetop of Bush Mtn., *Burgess 2235* (TEX-LL), The Bowl, *Burgess 5081* (TEX-LL), 2.1 km N and 1.4 km W of Pine Top, *Burgess 5078* (TEX-LL)]
- CAREX HYSTERICINA Muhl. ex Willid.  
[Records: TX, Culberson Co., McKittrick Canyon, *Burgess 4155* (TTC, TEX-LL,  
GUMO), *Correll & Johnston 26070* (TEX-LL), *Weston 112* (TEX-LL)]
- CAREX MCKITTRICKENSIS Ball  
[Riskind, 1974, as *Carex eburnea*; Burgess & Northington, 1981, as *Carex eburnea*]  
[Ball, 1998]  
[Records: TX, Culberson Co., S. Fork McKittrick Canyon, 2 Jul 1958, *Correll & Johnston 19187* (TEX-LL - type; Isotypes - BRIT, MIVH. NC); S. McKittrick Canyon, 0.4 km SW of Turtle Rock, 2.4 km S and 0.9 km W of Pratt Lodge, 5500 ft., 20 Mar, 1975, *Burgess 3002* (TEX-LL)); 2.3 km S and 0.8 km W of Pratt Lodge, 5500 ft., 23 Jul 1976, *Burgess 4158* (TEX-LL); along creek, 1980 m, 22 Jul 1933, *Moore & Steyermark 3575* (MICH)]
- CAREX MICRODONTA Torr. & Hook.  
[Records: TX, McKittrick Canyon, *Warnock 18495* (TEX-LL), *Northington 510* (TEX-LL), *Lind* (TEX-LL), *Hinckley* (TEX-LL); NM, Devil's Den Spring, *Worthington 29977* (UTEP)]
- CAREX MURICULATA F. J. Hermann ssp. MURICULATA Schiede's Sedge  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., lower McKittrick Canyon, *Burgess 4410* (GUMO), *Burgess 4169* (TEX-LL); 0.9 km N and 0.8 km W of Frijole, *Burgess 2571* (TEX-LL); trail to Sloth Cave, *Burgess 2399* (TEX-LL)]  
[RDW 27998: UTEP; NMCR; NMC; UNM; UCR][GUMO]  
NOTE: This is the first discovery of the species in New Mexico. It grows at the base of limestone cliffs just west of the parking area and trailhead for Last Chance Canyon.
- CAREX PLANOSTACHYS G. Kunze  
[Records: TX, Pine Spring Canyon, *Burgess 2291* (TEX-LL); S. McKittrick Canyon, *Burgess*

- 3126 (TEX-LL)]
- CLADIUM MARISCUS (L.) Pohl ssp. JAMAICENSE (Crantz) Kükenthal Saw-grass  
 [Cladium jamaicense Crantz]  
 [Hershey, 1940; Gehlbach, 1965; Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999]  
 [Records: TX, Culberson Co., Choza Spring, *Hougham* (GUMO), *Burgess 1017* (TEX-LL);  
 McKittrick Canyon, *Weston 91* (TEX-LL), *Lind* (TEX-LL); Smith Canyon, *Turner & Warnock*  
*109* (TEX-LL)]  
 [UTEP: Meyer, s.n.][Baker, 13343]
- CYPERUS FENDLERIANUS J. Böckeler Fendler=s Flatsedge  
 [Burgess & Northington, 1981]  
 [RDW 30184.5: UTEP] [RDW 30192: UTEP, CHSC]
- CYPERUS ODORATUS L. RustyFlat-  
 sedge  
 Records: NM, Whites City, *Worthington 32854* (UTEP; BRCH)]
- CYPERUS RETROFLEXUS S. Buckley Oneflower Flatsedge  
 [*Cyperus uniflorus* Torr. & Hook. non Thunb.]  
 [Burgess & Northington, 1981]  
 [Records: TX, 2.1 km S and 5.9 km W top Bush Mtn., *Burgess 2671* (TEX-LL)]
- CYPERUS ROTUNDUS L. Purple  
 Nut-sedge  
 Records: NM, Whites City, *Worthington 32737* (UTEP)]
- CYPERUS SPHAEROLEPIS Boeckl. Rusby 's Flatsedge  
 [*Cyperus rusbyi* Britt.]  
 [Wooton & Standley, 1915]  
 [Records: TX, SW of Smith Canyon, *Burgess 2671* (TEX-LL); S. McKittrick Canyon,  
*Warnock 12027* (TEX-LL)]  
 [RDW 28603: UTEP; CHSC; UCR][RDW 30184: UTEP, CHSC]
- CYPERUS SQUARROSUS L. Bearded Flatsedge  
 [*Cyperus aristatus* Rottb.]  
 [RDW 30200: UTEP, CHSC]
- ELEOCHARIS GENICULATA (L.) Roemer & Schultes Spikerush  
 [*Eleocharis caribaea* auct. non (Rottb.) Blake]  
 [Gehlbach, 1965]
- ELEOCHARIS MONTEVIDENSES K. Kunth Sand Spike Rush  
 [Svensen, 1939; Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Moore & Steyermark 3508* (NY); Choza Spring,  
*Burgess 3596* (TTC; GUMO), *Burgess 1018* (TEX-LL); Manzanita Spring, *Burgess 1978*  
 (TEX-LL); McKittrick Canyon, *Correll & Johnston 19169* (TEX-LL); NM, Eddy Co., Sitting  
 Bull Falls, *Ferguson 303* (UTEP; UCR)]  
 [Baker, 13344][GUMO]
- ELEOCHARIS PALUSTRIS (L.) Roemer & Schultes  
 [*Eleocharis macrostachya* Britt.]  
 [RDW 27637: UTEP]
- ELEOCHARIS ROSTELLATA (Torr.) Torr. Beaked Spikesedge  
 [Burgess & Northington, 1981; Baker, 1999]  
 [Records: TX, Choza Spring, *Burgess 1991* (TEX-LL); *Baker, 13362*]
- FUIRENA SIMPLEX M. H. Vahl var. SIMPLEX Umbrella-grass  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Choza Spring, *Burgess 3601* (TTC; GUMO); McKittrick  
 Canyon, *Young* (TEX-LL), *Correll & Johnston 18506* (TEX-LL); NM, Eddy Co.,  
 Sitting Bull Falls, *Crutchfield 738* (NMC)]  
 [RDW 27679: UTEP]
- SCHOENOPLECTUS ACUTUS (C. H. Muhlenberg ex J. Bigelow) Hardstem Bullrush  
 A. Löve & D. Löve var. ACUTUS  
 [*Scirpus acutus* Muhlenb. ex Bigelow]

- [RDW 27849: UTEP; UCR]  
 SCHOENOPLECTUS AMERICANUS (Pers.) A. von Volkart Chairmaker=s Bullrush  
*ex* H. Schinz & R. Keller  
 [*Scirpus americanus* Pers.]  
 [RDW 27671: UTEP]
- SCHOENOPLECTUS PUNGENS (Vahl) E. Palla var. LONGISPICATUS (Britt.) J.G. Smith Sword-grass  
 [*Scirpus americanus* Pers. ssp. *longispicatus* (Britt.) Sojak]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Choza Spring, *Burgess* 3676 (TTC; GUMO)]  
 Note: Baker (1999) reports *Scirpus pungens* but did not voucher it.

## GRAMINEAE (POACEAE)

## Grass Family

- ACHNATHERUM CURVIFOLIUM (Swallen) Barkworth Guadalupe Needlegrass  
 [*Stipa curvifolia* Swallen]  
 [Fletcher, 1980a; Hatch & Bearden, 1983; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
 [Records: NM, Eddy Co., North Fork Rocky Attoyo, 21 Apr 1979, *Bearden & Hatch* 201 (NMC; TAES; UCR); 2 km W mouth of North Fork of Rocky Arroyo, 21 Apr 1979, *Bearden & Hatch* 202 (NMC; TAES); Last Cahnce Canyon, 21 Apr 1979, *Bearden & Hatch* 203 (NMC; TAES); TX, Hudspeth Co., Guadalupe Mts., 1.4 km SW of Cutoff Peak, 27 Apr 1975, *Burgess* 3220 (TEX-LL); *Worthington* 28257 ( UTEP; NMCR); *Spellenberg* 12477 (NMC; NY)]
- ACHNATHERUM EMINENS (Cav.) Barkworth Southwestern Needlegrass  
 [*Stipa eminens* Cav.]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Peak, *Burgess* 2813 (TTC; GUMO); Pratt Ranch, *Warnock* 13850 (TEX-LL); Guadalupe Canyon, *Warnock* 9415 (TEX-LL)]  
 [RDW 28057: UTEP; TAES; UTC] [GUMO]
- ACHNATHERUM LOBATUM (Swallen) Barkw. Littleawn Needlegrass  
 [*Stipa lobata* Swallen]  
 [Gehlbach, 1965, as *S. columbiana*; Burgess & Northington, 1981, as *Stipa nelsoni*]  
 [NM, Eddy Co., along FSR 540, 7 Jul 1982, *Allred* 2263 (NMCR); Sitting Bull Falls, 7 Jul 1982, *Allred* 2243 (NMCR); TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); upper Dog Canyon, *Burgess* 1490 (TTC; GUMO); Guadalupe Mts., *Silveus* 1606 (TEX-LL); Southe McKittrick Canyon, *Warnock* 12687 (TEX-LL)] [GUMO][RDW 28001: UTEP; NMCR; TAES; UCR; UTC]  
 [RDW 30203: UTEP]
- ACHNATHERUM PERPLEXUM Hoge & Barkw.  
 [*Stipa perplexa* (Hoge & Barkw.) Wipff & Jones]  
 [Records: TX, Culberson Co., upper Pine Spring Canyon, *Warnock* 143 (TEX-LL)]
- ACHNATHERUM SCRIBNERI (Vasey) Barkworth  
 [RDW 28620: UTEP; NMCR]
- AGROSTIS EXARATA Trin. var. MINOR Hook. Spike Bentgrass  
 [RDW 29982: UTEP]
- ANDROPOGON GERARDII Vitman var. CHRYSOCOMAS (Nash) Fern. Big Bluestem  
 [Gehlbach, 1965]  
 [RDW 28600: UTEP; UCR]  
 var. GERARDII  
 [Burgess & Northington, 1981]  
 [GUMO]  
 var. HALLII (Hack.) Wipff  
 [*Andropogon hallii* Hackel]  
 [Northington & Burgess, 1979]  
 Note: Collections of this species at TEX-LL are not identified to variety.

ANDROPOGON GLOMERATUS (Walt.) B.S.P. var. SCABRIGLUMUS Campbell Southwestern Bushy  
 [RDW 28073: UTEP; TAES; UCR] Bluestem  
 ARISTIDA ADSCENSIONIS L. Sixweeks Threeawn  
 [*Aristida bromoides* H.B.K.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 ARISTIDA ARIZONICA Vasey Arizona Threeawn  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); Guadalupe Mts., *Silveus*  
*1602* (TEX-LL)]  
 ARISTIDA DIVARICATA Humb. & Bonpl. ex Willd.  
 [NM, Eddy Co., Queen, 4 Sep 1915, *Hitchcock* 760 (TEX-LL; NY)]  
 ARISTIDA HAVARDII Vasey Havard Threeawn  
 [*Aristida barbata* Fourn.]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
  
 ARISTIDA PANSA Woot. & Standl. var. PANSA Wooton Threeawn  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Allred & Valdés-Reyna,  
 1997; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., 9.6 mi. N of Pine Spring Camp, 20 Sep 1946, *Whitehouse* 16975  
 (ARIZ; NY; BRIT; US); between Pratt Ranch House and McKittrick Canyon, *Warnock*  
*13853*(TEX-LL); *Spellenberg* 12456 (NMC); (GUMO)]  
 ARISTIDA PURPUREA Nutt.  
 var. LONGISETA (Steud.) Vasey Red Threeawn  
 [Burgess & Northington, 1981]  
 var. NEALLEYI (Vasey) Allred Nealley Threeawn  
 [*Aristida glauca* (Nees) Walp.]  
 [Gehlbach, 1965; Spellenberg, 1976; Fletcher, 1980b; Burgess & Northington, 1981;  
 Spellenberg & Wooten, 1999]  
 [RDW 27987, 28048: UTEP; NMCR; RSA-POM; UNM][Spellenberg 12453: NMC][GUMO]  
 [NM, Eddy Co., Sitting Bull Falls, 7 Jul 1962, *Allred* 2238 (NMCR); TX, Culberson Co., Smith  
 Canyon, *Turner & Warnock* 116 (TEX-LL); McKittrick Canyon, *Warnock* 10963 (TEX-LL)]  
 var. WRIGHTII (Nash) Allred Wright Threeawn  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [RDW 28043: UTEP; NMCR][NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred* 2227 (NMCR)]  
 ARRUNDO DONAX L. Giant Reed  
 Records: NM, Whites City, *Worthington* 32846 (UTEP)]  
 AVENA FATUA L. Wild oat  
 [Gehlbach, 1965]  
 BLEPHARONEURON TRICHOLEPIS (Torr.) Nash Pine Dropseed; Hairy Dropseed  
 [Burgess & Northington, 1981; Peterson & Annable, 1990]  
 [Records: TX, Culberson Co., Pine Top Mtn., 15 Sep 1948, *Turner & Warnock* 153 (GH; TEX-LL);  
 near top Bush Mtn., *Burgess* 4304 (TTC; GUMO)]  
 BOTHRIODCHLOA BARBINODIS (Lag.) Herter Cane Bluestem  
 [*Andropogon barbinodis* Lag.]  
 [Gould, 1959; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 [RDW 27836: UTEP; UCR][NM, Eddy Co., Sitting Bull Canyon 3 mi. E of falls, 7 Jul 1982,  
*Allred* 2252 (NMCR); TX, Culberson Co., McKittrick Ranger Station, *Gehlbach* (GUMO);  
 North McKittrick Canyon, *Warnock* 20359 (TEX-LL); Big Pine Spring, *Correll* 15104 (TEX-LL)]  
 BOTHRIODCHLOA ISCHAEMUM (L.) Keng  
 var. ISCHAEMUM Yellow Bluestem  
 [Records: NM, Whites City, *Worthington* 32743 (UTEP)]  
 var. SONGARICA (Rupr. ex Fisch. & Mey.) Celerier & Harlan King Ranch  
 Bluestem  
 [NM, Eddy Co., 2 mi. SW of Queen, lip of Hamm Draw, 17 Jun 1986, *Allred* 3190 (NMCR)]  
 BOTHRIODCHLOA LAGUROIDES (DC.) Herter ssp. TORREYANA (Steud.) Silver Bluestem

- Allred & Gould  
 [*Bothriochloa saccharoides* (Swartz) Rydb.]  
 [Wootton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981; Spellenberg & Wootten, 1999]  
 [RDW 27823: UTEP; NMCR; UCR][Spellenberg 12459: NMC][NM, Eddy Co., 7 mi. W jct. 285 on hwy. 127, 06 Jul 1982, *Allred* 2223, 2233 (NMCR)] [GUMO]
- BOTHRIOCHLOA SPRINGFIELDII (Gould) Parodi Springfield Bluestem  
 [Gould, 1957; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Pine Spring, 1916, *Young* (TEX-LL); Guadalupe Mts., *Lee* 67 (TEX-LL); Choza Spring, *Burgess* 3594 (TTC; GUMO); base of El Capitan along hwy., *Tharp & Gimbrede* 51-1543 (TEX-LL); NM, Eddy Co., FSR 540, 7 Jul 1982, *Allred* 2261 (NMCR)][GUMO]
- BOUTELOUA ARISTIDOIDES (Kunth) Griseb. Needle Grama  
 [Burgess & Northington, 1981]
- BOUTELOUA BARBATA Lag. Sixweeks Grama  
 [Burgess & Northington, 1981]  
 [Records: TX, Hudspeth Co., W bajada of Guadalupe Mts., *Burgess* 2536 (TTC; GUMO)]  
 [RDW 28020: UTEP; TAES; UCR] [GUMO]
- BOUTELOUA CURTIPENDULA (Michx.) Torr. var. CAESPITOSA Gould Sideoats Grama  
 [Griffiths, 1912; Kapadia & Gould, 1964, mapped; Warnock, 1965; Warnock, 1974; Spellenberg, 1976; Burgess & Northington, 1981; Heil & Brack, 1984]  
 [Records: NM, Eddy Co., Guadalupe Mts., *Bailey* 741 (US); *Worthington* 27985 (UTEP; TAES; UCR; RSA-POM); TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); base of Signal Peak, *Lee* 71 (TEX-LL)]
- BOUTELOUA ERIOPODA Torr. Black Grama  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Sivinski, 1999]  
 [GUMO]
- BOUTELOUA GRACILIS (H.B.K.) Lag. *ex* Steud. Blue Grama  
 [Snyder & Harlan, 1956; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Sivinski, 1999]  
 [RDW 28009, 28056: UTEP; TAES; UCR; RSA-POM] [NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred* 2226 (NMCR; TX, Culberson Co., Williams Ranch Rd., *Burgess* 1668 (TTC; GUMO); 1 mi. N of Pine Spring, *Reeder & Reeder* 5841 (TEX-LL)]
- BOUTELOUA HIRSUTA Lag. Hairy Grama  
 [Griffiths, 1912; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Guadalupe Mts., *Bailey* 740 (US); *Worthington* 27944 (UTEP; TAES); *Worthington* 30182 (UTEP); TX, Culberson Co., Pine Springs Canyon, *Burgess* 2326 (TTC; GUMO), *Young* (TEX-LL); McKittrick Canyon, *Gehlbach* (GUMO); base of Signal Peak, *Lee* (TEX-LL)]
- BOUTELOUA SIMPLEX Lag. Mat Grama  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Burgess* (TTC; GUMO)]
- BOUTELOUA TRIFIDA Thurb. *ex* Wats. Red Grama  
 [Burgess & Northington, 1981]
- BOUTELOUA WARNOCKII Gould & Kapadia Warnock Grama  
 [Kapadia & Gould, 1964, mapped; Gehlbach, 1965; Northington & Burgess, 1979; Burgess & Northington, 1981; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., Bone Spring Canyon, *Northington* 946 (TTC; GUMO); west Dog Canyon *Burgess* 3798 (TEX-LL)] [Spellenberg 12443: NMC][GUMO]
- BROMUS ANOMALUS Rupr. *ex* Fourn. Mountain Brome  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Silveus* 1607 (TEX-LL)]
- BROMUS CARINATUS Hook. & Arn.  
 [NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred* 2256 (NMCR)]
- BROMUS CATHARTICUS Vahl Rescue Grass

- [*Bromus unioloides* (Willd.) Kunth]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess* 4552 (TTC; GUMO)]  
 [RDW 27716: UTEP][GUMO]
- BROMUS CILIATUS L.  
 [*Bromus richardsonii* Link]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Pine Spring Canyon, *Correll & Correll* 24245 (TEX-LL);  
 south McKittrick Canyon, *Warnock* 10958 (TEX-LL); GUMO]
- BROMUS FRONDOSUS (Shear) Woot. & Standl. Weeping Brome  
 [Gehlbach, 1965; Allred, 1993]  
 [RDW 28575, 28619: UTEP; NMCR][NM, Eddy Co., Guadalupe Ridge near large cave, 14 Sep  
 1916, *Chapline* 392, 692 (NMC)][RDW 30191: UCR,  
 NMCR] [RDW 30204: UTEP] [RDW 30188: UTEP, NMCR, UCR]
- BROMUS JAPONICUS Thurb. ex Murray Japanese Chess; Japanese Brome  
 [Burgess & Northington, 1981]  
 [RDW 28265: UTEP; UCR; NMCR]  
 NOTE: This collection represents the *commutatus* phase.
- BROMUS LANATIPES (Shear) Rydb. Woolly Brome  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Warnock* 11004 (TEX-LL)]
- BROMUS TECTORUM L. Cheatgrass  
 [Burgess & Northington, 1981]
- BUCHLOË DACTYLOIDES (Nutt.) Engelm. Buffalograss  
 [RDW 28267: UTEP][RDW 30183: UTEP]  
 NOTE: This species was planted as a component of the sod at the picnic area at Sitting Bull  
 Falls but also grows naturally in the range.
- CENCHRUS LONGISPINUS (Hack.) Fern. Longspine Sandbur  
 [*Cenchrus pauciflorus* Benth.]  
 [Chase, 1920; Gehlbach, 1965]  
 [Records: NM, Eddy Co., Queen, *Hitchcock* 13532]
- CENCHRUS SPINIFEX Cav. Sandbur, Grassbur  
 [*Cenchrus incertus* M. A. Curtis]  
 [Warnock, 1974; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Warnock* 11007 (TEX-LL)]  
 [RDW 27715: UTEP][GUMO]
- CHLORIS CUCULLATA Bisch. Hooded Windmillgrass  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Nixon* N-2 (TEX-LL); NM, Eddy Co.,  
 Whites City, *Worthington* 32742 (UTEP)][RDW 28098: UTEP]
- CHLORIS VERTICILLATA Nutt. Windmillgrass  
 [Gehlbach, 1965; Anderson, 1974]  
 [Records: TX, Culberson Co., McKittrick Canyon, 20 Jul 1950, *Fischer s.n.* (KANU);  
 GUMO]
- CHLORIS VIRGATA Sw. Showy Chloris  
 [Warnock, 1974; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Pine Springs, *Young* (TEX-LL)][RDW 28012: UTEP; TAES]  
 [GUMO]
- CYNODON DACTYLON (L.) Pers. Bermudagrass  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [RDW 27713: UTEP]
- DASYOCHLOA PULCHELLA (Kunth) Steud. Fluffgrass  
 [*Tridens pulchella* Kunth]  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Spellenberg & Wootten,  
 1999]

- [Records: TX, Culberson Co., 9 mi. WSW along 62-180 from NM-TX line to rest area, *Reeder & Reeder 5923* (TEX-LL); McKittrick Canyon, *Nixon N-9* (TEX-LL)]
- DICHANTHELIUM ACUMINATUM (Sw.) Gould & Clark var. ACUMINATUM Woolly Panicum  
 [*Panicum lanuginosum* Ell.]  
 [Gehlbach, 1965; Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999]  
 [RDW 27676: UTEP; NMCR] [Baker, 13348] [NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred 2239, 2242* (NMCR); N fork of Big Canyon 1 mi. Up from mouth (T26S, R22E, Sec 19, SE 1/4 of NW 1/4), 25 Aug 1989, *Dunmire s.n.* (NMCR); TX, Culberson Co., North McKittrick Canyon,
- Burgess 3517* (TTC; GUMO); Pine Canyon, *Silveus 1909* (TEX-LL); McKittrick Canyon, *Warnock 11003* (TEX-LL), *Correll & Johnston 19180* (TEX-LL)]
- DICANTHELIUM OLIGOSANTHES (Schult.) Gould var. SCRIBNERIANUM Scribn. & Speg.  
 Dichanthelium  
 (Nash) Gould  
 [Burgess & Northington, 1981]  
 Records: NM, Eddy Co., west Slaughter Canyon, *Burgess 4579* (TTC; GUMO)]
- DIGITARIA CALIFORNICA (Benth.) Henr. Arizona Cottontop  
 [*Trichachne californica* (Benth.) Chase]  
 [Warnock, 1974; Burgess & Northington, 1981]
- DIGITARIA COGNATA (Schult.) Pilger ssp. PUBIFLORA Wipff & Hatch Witchgrass  
 [*Leptoloma cognata* (Schult.) Chase]  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., McKittrick Ranger Station, *Gehlbach* (GUMO); below McKittrick Canyon, *Correll & Johnston 19141* (TEX-LL)]  
 [RDW 28002: UTEP; TAES; UCR][Spellenberg 12457: NMC]
- DIGITARIA SANGUINALIS (L.) Scop. Hairy Crabgrass  
 [*Syntherisma sanguinale* (L.) Dulac]  
 [Wooton & Standley, 1915]
- ECHINOCHLOA COLONA (L.) Link Junglerice  
 [Gehlbach, 1965]  
 [RDW 28074: UTEP; TAES; UCR]
- ECHINOCHLOA CRUS-GALLI (L.) Beauv. Barnyardgrass  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Choza Spring, *Burgess 3679* (TTC; GUMO)]  
 [RDW 27726: UTEP; NMCR] [GUMO]
- ELYMUS ARIZONICUS (Scribn. & Smith) Gould Arizona Wheatgrass  
 [*Agropyron arizonicum* Scribn. & Chase]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper South McKittrick Canyon, *Burgess 3542* (TTC; GUMO); trail from Pine Springs to The Bowl, *Powell & Powell 3875* (TEX-LL)]
- ELYMUS CANADENSIS L. Canada Wildrye  
 [Gehlbach, 1965; Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999]  
 [RDW 27680: UTEP; NMCR] [Baker, 13353] [NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred 2231, 2229* (NMCR); Sitting Bull Canyon 3 mi. E of falls, 7 Jul 1982, *Allred 2254* (NMCR); Rim Rd. (FSR 137), *Allred 3191*(NMCR); Walnut Canyon, *Burgess 4537* (TTC; GUMO); TX, Culberson Co., Pine Canyon, *Burgess 2703* (TTC; GUMO)]
- ELYMUS LONGIFOLIUS (J. G. Smith) Gould Longleaf Squirrelgrass; Squirreltail  
 [*Sitanion hystrix* J. G. Smith]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [UTEP: Lambert, 869][Allred 2222: NMCR]
- ELYMUS SMITHII (Rydb.) Gould Western Wheatgrass  
 [*Agropyron smithii* Rydb.]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [[Records: TX, Culberson Co., upper McKittrick Canyon, *Burgess 3559* (TTC; GUMO)]  
 RDW 28006, 28077: UTEP; NMCR; TAES]

NOTE: The glumes on these specimens are atypical.

- ELYMUS TRACHYCAULUS (Link) Shinnery ssp. TRACHYCAULUS Slender Wheatgrass  
[Gehlbach, 1965]  
[Records: TX, Culberson Co., Smith Canyon, *Turner 1270* (TEX-LL)]
- ELYMUS VIRGINICUS L.  
[NM, Eddy Co., Sitting Bull Canyon about 3 mi. E of Falls, 7 Jul 1982, *Allred 2253* (NMCR)]
- ENNEAPOGON DESVAUXII Beauv. Feather Pappusgrass  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington 32881* (UTEP)]  
[RDW 28046: UTEP; TAES; UCR] [GUMO]
- ERAGROSTIS BARRELIERI Daveau Mediterranean Lovegrass  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[RDW 28054: UTEP; TAES; UCR] [GUMO]
- ERAGROSTIS CILIANENSIS (All.) Lut. ex Janchen Stinkgrass  
[*Eragrostis megastachya* Link]  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., near Pine Springs, *Young* (TEX-LL); NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington 32872* (UTEP)]  
[RDW 27901, 27904: UTEP, TAES]
- ERAGROSTIS CURVULA Schrad. var. CURVULA Weeping Lovegrass  
[NM, Eddy Co., along FSR 540, 7 Jul 1982, *Allred 2278, 2265, 2267* (NMCR)] [RDW 30190: UTEP, NMCR]
- ERAGROSTIS EROSA Scribn. Chihuahua Lovegrass  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., upper Pine Springs, *Warnock & Turner 87* (TEX-LL)]  
[RDW 27997, 28093: UTEP; NMCR; TAES; UCR; RSA-POM]
- ERAGROSTIS INTERMEDIA Hitchc. Plains Lovegrass  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[RDW 28032: UTEP; TAES; UCR] [NM, Eddy Co., Sitting Bull Canyon 3 mi. E of Falls, 7 Jul 1982, *Allred 2259* (NMCR); TX, Culberson Co., ridge S of Smith Canyon, *Burgess 2576* (TTC; GUMO); McKittrick Canyon, *Burgess 1244* (TTC; GUMO); North McKittrick Canyon, *Correll 13943* (TEX-LL)]
- ERAGROSTIS LEHMANNIANA Nees Lehmann Lovegrass  
[Records: NM, Eddy Co., Whites City, *Worthington 32744* (UTEP)]  
[RDW 28070: UTEP; TAES; UCR; RSA-POM]
- ERAGROSTIS MEXICANA (Hornem.) Link ssp. MEXICANA Mexican Lovegrass  
[Wootton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 12093* (TEX-LL)]  
[RDW 28659: UTEP; UCR]
- ERAGROSTIS MINOR Host  
[Records: TX, Culberson Co., 9 mi. WSW TX-NM line at rest area on 62-180, *Reeder & Reeder 5922* (TEX-LL)]
- ERAGROSTIS PALMERI Wats. Rio Grande Lovegrass  
[Gehlbach, 1965]  
[NM, Eddy Co., Queen, *Hitchcock 13524* (US)]
- ERAGROSTIS PECTINACEA (Michx.) Nees Spreading Lovegrass  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., Pratt Ranch, *Warnock 9564* (TEX-LL); upper Pine Springs, *Warnock & Turner 103* (TEX-LL)]  
[RDW 27928: UTEP; TAES; UCR; RSA-POM]
- ERAGROSTIS SECUNDIFLORA Presl. Red Lovegrass  
[RDW 28024: UTEP; TAES]
- ERAGROSTIS SPECTABILIS (Pursh) Steud. Purple Lovegrass  
[Gehlbach, 1965]
- ERAGROSTIS TRICHODES (Nutt.) Wood. Sand Lovegrass



- [Wooton & Standley, 1915]  
 ERIOCHLOA ACUMINATA (Presl.) Kunth var. MINOR (Vasey) R. B. Shaw Southwestern Cupgrass  
 [*Eriochloa gracilis* (Fourn.) A. S. Hitchc. var. MINOR (Vasey) Hitchc.]  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Whites City, *Worthington 32735* (UTEP)]
- ERIONEURON AVENACEUM (Kunth) Tateoka  
 [Records: TX, Culberson Co., mouth of canyon W of Bush Mtn. Summit, *Burgess 2502* (TTC; GUMO); 9 mi. WSW TX-NM line along 62-180 at rest area, *Reeder & Reeder 5921* (TEX-LL)]
- ERIONEURON NEALLEYI (Vasey) Tateoka Neally Lovegrass  
 [Burgess & Northington, 1981]  
 [RDW 28053: UTEP; NMCR; TAES; UCR] [GUMO]
- ERIONEURON PILOSUM (Buckl.) Nash Hairy Tridens  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Pk., *Burgess 4438* (TTC; GUMO); TX, Culberson Co., North McKittrick Canyon, *Warnock 18870* (TEX-LL)]  
 [RDW 28047: UTEP; NMCR; TAES][GUMO]
- FESTUCA ARIZONICA Vasey Pinegrass; Arizona Fescue  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., The Bowl, *Burgess 4286* (TTC; GUMO)]  
 [RDW 30134: UTEP, NMCR, UCR]
- FESTUCA LIGULATA Swallen Guadalupe Fescue  
 [Swallen, 1932; Mahler, no date; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper McKittrick Canyon, 1980 m, 22 Jul 1931; Moist shaded slopes along creek, @ *Moore & Steyermark 3576* (US-type); McKittrick Canyon, *Nixon n-5* (TEX-LL)]
- GLYCERIA STRIATA (Lam.) A. S. Hitchc. Fowl Mannagrass  
 [Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Correll* (Baylor; GUMO), *Correll & Hanson 29824* (TEX-LL), *Lind* (TEX-LL)]
- HESPEROSTIPA COMATA (Trin. & Rupr.) Barkw.  
 [*Stipa comata* Trin. & Rupr.]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Silveus 1906* (TEX-LL); near Pine Spring, *Correll & Johnston 22013* (TEX-LL); 1 mi. S Pine Spring Station, *Gould & Waldrip* (TEX-LL)]
- HESPEROSTIPA NEOMEXICANA (Thurb.) Barkw. New Mexico Feathergrass  
 [*Stipa neomexicana* (Thurb.) Scribn.]  
 [Gehlbach, 1965; Fletcher, 1980b; Burgess & Northington, 1981; Worthington, 1999a]  
 [Records: TX, Culberson Co., *Northington 336* (TTC; GUMO); McKittrick Canyon, *Silveus* (TEX-LL); Pine Spring Station, *Warnock & Harvill 5422* (TEX-LL); E side of Guadalupe Peak, *Chase 801* (TEX-LL)]
- HETEROPOGON CONTORTUS (L.) Beauv. ex Roemer & J. A. Schult. Tanglehead  
 [Burgess & Northington, 1981]
- HORDEUM MURINUM L. ssp. GLAUCUM (Steud.) N. Tzvelev Hare Barley  
 [*Hordeum glaucum* Steud.; *Critesion murinum* (L.) Löve]  
 [RDW 28264: UTEP]
- HORDEUM PUSILLUM Nutt. Little Barley  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess 4589* (TTC; GUMO)]  
 [RDW 28264.5: UTEP]
- KOELERIA MACRANTHA (Ledeb.) Schultes Junegrass  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 12103* (TEX-LL)]  
 [RDW28286: UTEP] [GUMO]
- LEPTOCHLOA DUBIA (H.B.K.) Nees Green Sprangletop  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 [RDW 27984: UTEP; TAES; UCR][NM, Eddy Co., N fork of Big Canyon about 1 mi.]

- up from mouth (T26S, R22E, Sec. 19, SE 1/4 of NW 1/4), 25 Apr 1989, *Dunmire, s.n.*  
(NMCR); TX, Culberson Co., McKittrick Ranger Station, *Gehlbach* (GUMO); upper Pine  
Canyon, *Turner & Warnock 85* (TEX-LL)]
- LEPTOCHLOA FASCICULARIS (Lam.) Gray  
[Records: TX, Culberson Co., Smith Canyon, *Turner 1270* (TEX-LL); South McKittrick Canyon,  
*Warnock 10912* (TEX-LL); NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington 32874* (UTEP)]
- LOLIUM PERENNE L. Perennial Ryegrass  
[Gehlbach, 1965]
- LYCURUS PHLEOIDES H.B.K. Wolf tail  
[Gehlbach, 1965; Burgess & Northington, 1981; Reeder, 1985]  
[Records: TX, Culberson Co., Guadalupe Mts., *Moore & Steyermark 3614* (US; NY; RM);  
Guadalupe Peak, *Marks 4* (TEX-LL); also *Standley 40574* (US); GUMO; *Worthington 30197* (UTEP)]
- LYCURUS SETOSUS (Nutt.) C. Reeder  
[Reeder, 1985]  
[Records: TX, Culberson Co., Guadalupe Mts., *Moore & Steyermark 3364* (US); Pine Springs,  
*Whitehouse* (TEX-LL); NM, Eddy Co., 0.5 mi. N Guadalupe Cabin, 25 Oct 1979, *Hutte 18* (NMCR)]
- MELICA NITENS (Scribn.) Nutt. ex Piper  
[NM, Eddy Co., Walnut Canyon, 17 May 1977, *Burgess 4551* (TTC; GUMO); TX, Culberson Co.,  
McKittrick Canyon, *Burgess 4114* (TTC; GUMO); South McKittrick Canyon, *Correll & Hanson*  
*29806* (TEX-LL)]
- MELICA PORTERI Scribn. Porter Melic  
[Burgess & Northington, 1981]
- MONROA SQUARROSA (Nutt.) Torr.  
[Gehlbach, 1965; Burgess & Northington, 1981; Heil & Brack, 1984]  
[Records: TX, Culberson Co., Pine Canyon, *Young* (TEX-LL)]
- MUHLENBERGIA ARENACEA (Buckl.) A. S. Hitchc. Ear Muhly  
[Burgess & Northington, 1981]
- MUHLENBERGIA ARENICOLA Buckl. Sand Muhly  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., below McKittrick Canyon, *Correll & Johnston 19142* (TEX-LL);  
NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington 32873* (UTEP)]
- MUHLENBERGIA ASPERIFOLIA (Nees & Mey) Parodi Scratchgrass  
[RDW 30188: UTEP, NMCR]
- MUHLENBERGIA CUSPIDATA (Torr. ex Hook.) Rydb.  
[NM, Eddy Co., along FSR 540, 7 Jul 1982, *Allred 2264* (NMCR)]
- MUHLENBERGIA DEPAUPERATA Scribn. Sixweeks Muhly  
[Peterson & Annable, 1991]  
[Records: NM, Eddy Co., Dark Canyon Ranger Station, *Hitchcock 1326*(GH; MO; NY);  
*Hitchcock 13560* (NY, US)]
- MUHLENBERGIA DUBIA Fourn. ex Hemsl. Pine Muhly  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., Pine Springs entrance, *Reeder & Reeder 5926* (TEX-LL)]  
[RDW 30217: UTEP, UCR]
- MUHLENBERGIA EMERSLEYI Vasey Bullgrass; Bull Muhly  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[RDW 28051: UTEP; TAES; UCR; RSA-POM; UCR][NM, Eddy Co., Carson Seep, 28 Sep  
1916, *Chapline 710* (NMCR); TX, Culberson Co., McKittrick Canyon, *Burgess* (GUMO); Pine  
Springs entrance, *Reeder & Reeder 5931* (TEX-LL)]
- MUHLENBERGIA FILIFORMIS (Thurb. ex S. Wats.) Rydb. Pullup Muhly  
[Gehlbach, 1965]
- MUHLENBERGIA FRAGILIS Swallen Delicate Muhly  
[Burgess & Northington, 1981]  
[Records, TX, Culberson Co., Pine Canyon, *Burgess 3988* (TTC; GUMO)]

- MUHLENBERGIA METCALFEI M. E. Jones Metcalfe Muhly  
 [Burgess & Northington, 1981]
- MUHLENBERGIA MINUTISSIMA (Steud.) Swallen Sixweeks Muhlenbergia  
 [RDW 28674: UTEP; NMCR; UCR]
- MUHLENBERGIA MONTANA (Nutt.) A. S. Hitchc. Mountain Muhly  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 12099* (TEX-LL)]
- MUHLENBERGIA PARVIGLUMIS Vasey Longawn Muhly  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Silveus 3512* (TEX-LL)]
- MUHLENBERGIA PAUCIFLORA Buckl. New Mexico Muhly  
 [Gehlbach, 1965; Fletcher, 1980a, 1980b; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Slaughter Canyon, *Burgess 4643* (TTC; GUMO); TX, Culberson Co., Pine Springs Canyon, *Turner & Warnock 132* (TEX-LL); South McKittrick Canyon, *Warnock 11919* (TEX-LL)]  
 [RDW 27990, 28092: UTEP; NMCR; RSA-POM; UCR]
- MUHLENBERGIA POLYCAULIS Scribn. Cliff Muhly  
 [RDW]
- MUHLENBERGIA PORTERI Scribn. *ex* Beal Bush Muhly  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Warnock 13974* (TEX-LL)]  
 [RDW 28015: UTEP; TAES][GUMO]
- MUHLENBERGIA REPENS (Presl.) Hitchc. Creeping Muhly; Mat Muhly  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Northington 359* (TTC; GUMO); McKittrick Canyon, *Warnock 13970* (TEX-LL)]
- MUHLENBERGIA RIGENS (Benth.) A. S. Hitchc. Deergrass  
 [Gehlbach, 1965]
- MUHLENBERGIA RIGIDA (Kunth) Trin.  
 [NM, Eddy Co., 0.5 mi. N Guadalupe Cabin, 25 Oct 1979, *Hutte 15* (NMCR); TX, Culberson Co., 2 mi. N of Pine Springs, *Correll & Johnston 24232* (TEX-LL); McKittrick Canyon, *Warnock 13961* (TEX-LL)]
- MUHLENBERGIA SETIFOLIA Vasey Curleyleaf Muhly  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Worthington, 1999a; Sivinski, 1999]  
 [Records: TX, Culberson Co., ridge S of Smith Canyon, *Burgess 2475* (TTC; GUMO); Pratt Ranch, *Warnock 13851* (TEX-LL)]  
 [RDW 27988: UTEP; TAES; UCR; RSA-POM]
- MUHLENBERGIA TENUIFOLIA (Kunth) Trin. Mesa Muhly  
 [*Muhlenbergia monticola* Buckl.]  
 [Warnock, 1974; Burgess & Northington, 1981; Peterson & Annable, 1991]  
 {Records: TX, Culberson Co., Pine Springs Canyon, *Whitehouse 17134* (MICH); *Worthington 27935* (UTEP; NMCR); upper Guadalupe Canyon, *Warnock 9419* (TEX-LL); NM, Eddy Co., 7 mi. W jct. 285 with hwy. 187, 6 Jul 1982, *Allred 2221* (NMCR); Sitting Bull Falls, 7 Jul 1982, *Allred 2236* (NMCR)}
- MUHLENBERGIA TORREYI (Kunth) A. S. Hitchc. *ex* Bush Ring Muhly  
 [*Muhlenbergia gracillima* Torr.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981]  
 [NM, Eddy Co., Dog Town Flat, 17 Jul 1921, *Talbot 9* (NMCR)]
- MUNROA SQUARROSA (Nutt.) Torr. False Buffalograss  
 [Records: NM, Eddy Co., Whites City, *Worthington 32856* (UTEP)]
- NASSELLA TENUISSIMA (Trin.) Barkworth Finestem Needlegrass  
 [*Stipa tenuissima* Trin.]  
 [Gehlbach, 1965; Burgess & Northington, 1981; Baker, 1999]

- [RDW 27855: UTEP; NMCR; UTC; UCR] [Baker, 13361][NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred* 2234 (NMCR); TX, Culberson Co., upper Dog Canyon, *Burgess* 1487 (TTC; GUMO); South McKittrick Canyon, *Warnock* 12092 9TEX-LL)]
- PANICUM ANTIDOTALE Retz. Blue Panic  
[Burgess & Northington, 1981]
- PANICUM BULBOSUM Kunth in H.B.K. Bulb Panicum  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[RDW 27840: UTEP; NMCR][NM, Eddy Co., Dark Canyon, 7 Jul 1982, *Allred* 2272 (NMCR); Sitting Bull Falls, 7 Jul 1982, *Allred* 2235 (NMCR); TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Correll* 13954 (TEX-LL)]
- PANICUM CAPILLARE L. var. BREVIFOLIUM Rydb. & Shear Common Witchgrass  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Slaughter Canyon, *Burgess* 4644 (TTC; GUMO)]  
[RDW 27906: UTEP; NMCR; TAES]
- PANICUM HALLII Vasey var. FILIPES (Scribn.) Waller Filly Panicum  
[Hitchcock & Chase, 1910; Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Fletcher, 1980a; Burgess & Northington, 1981]  
[Records: Guadalupe Mts., *Bailey* 719 (US); *Worthington* 27896 (UTEP; UCR); Pine Springs, *Whitehouse* 8551 (TEX-LL); NM, Eddy Co., 7 mi. W jct. Hwy. 285 with 137, 6 Jul 1982, *Allred* 2225 (NMCR); TX, Culberson Co., McKittrick Ranger Station, *Gehlbach* (GUMO)]
- PANICUM HAVARDII Vasey  
[Hitchcock & Chase, 1910]  
[Records: TX, Culberson Co., Guadalupe Mts., 1881, *Havard* (US)]
- PANICUM HIRTICAULE Presl Roughstalk Witchgrass  
[Burgess & Northington, 1981]
- PANICUM OBTUSUM H.B.K. Vine Mesquite  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[RDW 27723: UTEP][NM, Eddy Co., 7 mi. W jct. Hwy. 285 on hwy. 137, 6 Jul 1982, *Allred* 2225, (NMCR); Sitting Bull Falls Canyon 3 mi. E of Falls, 7 Jul 1982, *Allred* 2251 (NMCR); Slaughter Canyon, *Burgess* 4645 (TTC; GUMO); TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); Pine Springs, *Young* (TEX-LL)]
- PAPPOPHORUM VAGINATUM Buckl. Whiplash Pappusgrass  
[Records: NM, Eddy Co., Whites City, *Worthington* 32848 (UTEP)]
- PASPALUM DILATATUM Poir. Dallisgrass  
[Records: NM, Eddy Co., Whites City, *Worthington* 32741 (UTEP)]
- PASPALUM DISTICHUM L. Knotgrass  
[Chase, 1929; Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: NM, Eddy Co. Queen, *Hitchcock* 13526 (US); *Worthington* 27672 (UTEP; NMCR); GUMO]
- PHALARIS CANARIENSIS L. Canary Grass  
[Gehlbach, 1965]
- PHRAGMITES AUSTRALIS (Cav.) Trin. Common Reed  
[Spellenberg, 1976]
- PIPITOCHAETIUM FIMBRIATUM (Kunth in H.B.K.) A. S. Hitchc. Pinyon Ricegrass  
[Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981]  
[RDW 28044: UTEP; TAES; UTC][NM, Eddy Co., along FSR 540, 7 Jul 1982, *Allred* 2269, 2273 (NMCR); TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO)]
- PIPITOCHAETIUM PRINGLEI (Beal) Parodi Pringlr Needlegrass  
[Burgess & Northington, 1981]  
[RDW 28601: UTEP; UCR]
- PLEURAPHIS MUTICA Buckl. Tobosa; Tobosagrass  
[*Hilaria mutica* (Buckl.) Benth.]  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Sivinski, 1999]  
[GUMO]
- POA ANNUA L. Annual Bluegrass

[Burgess & Northington, 1981]  
 POA BIGELOVII Vasey & Scribn. Bigelow=s Bluegrass  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., below Oak Springs, *Burgess* 4504 (GUMO)]

POA FENDLERIANA (Steud.) Vasey Mutton Grass  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Burgess* 3376 (TEX-LL); The Bowl,  
*Warnock & McVaugh* 5458 (TEX-LL)]

POA OCCIDENTALIS Vasey New Mexico Bluegrass  
 [Burgess & Northington, 1981; Soreng & Hatch, 1983]  
 [Records: GUMO, 7700 ft., 14 Aug 1976, *Burgess* 4284 (ARIZ)]

POA REFLEXA Vasey & Scribn.  
 [Burgess & Northington, 1981]

POA PRATENSIS L. Kentucky Bluegrass  
 [RDW 29979: UTEP, NMCR]

POLYPOGON MONSPELIENSIS (L.) Desf. Rabbitfoot Grass  
 [Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999]  
 [RDW 27732: UTEP][NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred* 2241 (NMCR)]  
 [GUMO]

POLYPOGON VIRIDIS (Gouan) Breistr. Water Bentgrass  
 [*Agrostis semiverticillata* (Forsk.) C. Chr.]  
 [Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999]  
 [RDW 27841: UTEP][NM, Eddy Co., hwy 137 7 mi. W jct. Hwy. 285, 6 Jul 1982,  
*Allred* 2220 (NMCR); TX, Culberson Co., McKittrick Canyon, *H. Correll* (GUMO; Baylor); lower  
 McKittrick Canyon, *Warnock* 10965 (TEX-LL); Guadalupe Canyon, *Young* (TEX-LL)]

PSEUDOROEGNERIA SPICATA (Pursh) Löve  
 [Records: TX, Culberson Co., Smith Spring, *Burgess* 954 (TTC; GUMO)]

SCHEDONNARDUS PANICULATUS (Nutt.) Trel. Tumblegrass  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Burgess* 5655 (UCR); NM, Eddy Co.,  
 Rim Rd. 2 mi. SW of Queen, lip of Hamm Draw, 17 Jun 1986, *Allred* 3189  
 (NMCR)]

SCHIZACHYRIUM CIRRATUM (Hack.) Woot. & Standl. Texas Bluestem  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South Fork McKittrick Canyon, *Correll & Correl* 26077 (TEX-LL)]

SCHIZACHYRIUM SCOPARIUM (Michx.) Nash var. SCOPARIUM Little Bluestem  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); above Big Pine Spring,  
*Correll* 15106 (TEX-LL)]  
 [RDW 28025, 28602: UTEP; NMCR; TAES; UCR]

SCLEROPOGON BREVIFOLIUS Phil. Burrograss; False Needlegrass  
 [*Scleropogon longisetus* A. Beetle]  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near top Cutoff Mtn. *Burgess* 2748 (TTC; GUMO)]  
 [RDW 27925: UTEP; TAES] [GUMO]

SETARIA GRISEBACHII Fourn. Grisebach Bristlegrass  
 [Hitchcock, 1920; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Queen, *Hitchcock* 13520 (US); TX, Culberson Co., upper Dog  
 Canyon, *Burgess* 3846 (TTC; GUMO)]

SETARIA LEUCOPILA (Scribn. & Merr.) K. Schum. Plains Bristlegrass  
 [Warnock, 1974; Spellenberg, 1976; Burgess & Northington, 1981; Spellenberg &  
 Wooten, 1999]  
 [RDW 28060: UTEP; TAES][NM, Eddy Co., Sitting Bull Canyon 3 mi. E of Falls, 7 Jul 1982,  
*Allred* 2257 (NMCR); TX, Culberson Co., Pine Springs Campground, *Burgess* 1370 (TEX-LL)]  
 [GUMO]

SETARIA PARVIFLORA (Poir.) Kerguélen  
 [*Setaria geniculata* (Lam.) Beauv.]  
 [Hitchcock, 1920]  
 [Records: TX, Culberson Co., Guadalupe Mts., 1881, *Havard* (US)]

SETARIA PUMILA (Poir.) Roem. & Schult. Yellow Bristlegrass  
 [*Setaria lutescens* (Weigel) F. T. Hubbard]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Warnock 2337* (TEXLL)][RDW 30222: UTEP]

SETARIA RAMISETA (Scribn.) Pilger  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., 2 km N Patterson Hills, *Burgess 2573* (TTC; GUMO)]

SETARIA VIRIDIS (L.) Beauv. Green Bristlegrass  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 10944* (TEX-LL)]  
 [RDW 30212: UTEP, UCR]

SORGHASTRUM NUTANS (L.) Nash Indiangrass  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 10998* (TEX-LL)]  
 [RDW 28084: UTEP; TAES; UCR]

SORGHUM HALAPENSE (L.) Pers. Johnsongrass  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]

SPHENOPHOLIS OBTUSATA (Michx.) Scribn. Prairie Wedgescale; Prairie Wedgegrass  
 var. OBTUSATA  
 [Spellenberg, 1976; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Sitting Bull Falls, 7 Jul 1982, *Allred 2237* (NMCR); TX, Culberson Co., South McKittrick Canyon, *Warnock 23177* (TEX-LL)]  
 [RDW 28183: UTEP] [RDW 30149: UTEP]

SPOROBOLUS AIROIDES (Torr.) Torr. Alkali Sacaton  
 [Burgess & Northington, 1981]

SPOROBOLUS CONTRACTUS A. S. Hitchc. Spike Dropseed  
 [Burgess & Northington, 1981]  
 [GUMO]

SPOROBOLUS CRYPTANDRUS (Torr.) Gray Sand Dropseed  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., McKittrick Ranger Station, *Gehlbach* (GUMO); Guadalupe Canyon, *Young* (TEX-LL)]  
 [Spellenberg 12504: NMC] [GUMO]

SPOROBOLUS FLEXUOSUS (Thurb. Ex Vasey) Rydb.  
 [Records: TX, Culberson Co., base of Signal Peak, *Silveus 1605* (TEX-LL)]

SPOROBOLUS WRIGHTII Munro Alkalisacaton  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Young* (TEX-LL)]  
 [RDW 28067: UTEP; TAES; UCR]

TRAGUS BERTERONIANUS Schult. Spike Burgrass; Pricklegrass  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., base of Guadalupe Mts., *Silveus 1440* (TEX-LL); mouth of Pine Canyon, *Young* (TEX-LL)]

TRIDENS ALBESCENS (Vasey) Woot. & Standl.  
 [NM, Eddy Co., Sitting Bull Canyon 3 mi. E of Falls, 7 Jul 1982, *Allred 2258* (NMCR)]

TRIDENS MUTICUS (Torr.) Nash var. MUTICUS Slim Tridens  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Worthington, 1999a; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., near top Bush Mtn., *Burgess 1473* (TTC; GUMO)]

[RDW 27996, 28049: UTEP; TAES; UCR; RSA-POM]{Spellenberg 12454: NMC}[GUMO]  
VULPIA OCTOFLORA (Walt.) Rydb. Sixweeksgrass  
[Gehlbach, 1965]  
[RDW 28176: UTEP]

## IRIDACEAE

## Iris Family

SISYRINCHIUM CHILENSE Hook. Blue-eyed Grass  
[*Sisyrrinchium ensigerum* Bicknell; *S. scabrum* Cham. & Schlecht.]  
[Gehlbach, 1965]  
[Records: TX, Culberson Co., Choza Spring, *Burgess* 3677 (TTC; GUMO); NM, Eddy Co.,  
Sitting Bull Falls, *Ferguson* 314 (UTEP; UCR)]  
[*Ferguson* 314: UTEP] [GUMO][RDW 28643: UTEP]

SISYRINCHIUM DEMISSUM Greene  
[Riskind, 1974; Northington & Burgess, 1979]  
Records: TX, Culberson Co., Smith Spring, *Warnock* 5404 (SRSC); South McKittrick Canyon,  
*Northington* 808 (TEX-LL), *Burgess* 2108, 1242 (TEX-LL)]  
Note: Burgess and Northington (1981) provide a discussion of taxonomic problems in the  
area. Dr. Guy Nesom who has recently worked in the genus *Sisyrrinchium* naming new species  
from Mexico annotated the Ferguson collection as *S. scabrum*.

## JUNCACEAE

## Rush Family

JUNCUS cf. DUDLEYI Wiegand Dudley=s Rush  
[RDW 29978: UTEP]

JUNCUS INTERIOR Wiegand Inland Rush  
[Records: TX, Culberson Co., Choza Spring, *Burgess* 3602 (TTC; GUMO); South Fork  
McKittrick Canyon, *Correll & Correll* 26068 (TEX-LL)]  
[RDW 30193: UTEP]

JUNCUS TENUIS Willd.  
[Burgess & Northington, 1981]  
Note: Collections of *Juncus* will need to be reviewed to reflect new interpretations  
in Flora of North America.

JUNCUS TORREYI Coville Torrey Rush  
[Burgess & Northington, 1981; Baker, 1999]  
[Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 3518 (TTC; GUMO); South Fork  
McKittrick Canyon, *Warnock* 11005 (TEX-LL); NM, Eddy Co., Sitting Bull Falls, *Higgins*  
7384 (NMC)]  
[RDW 27838: UTEP] [Baker, 13357] [GUMO]

LUZULA MULTIFLORA (Retz.) Lejeune Woodrush  
[Gehlbach, 1965]

## LILIACEAE

## Lily Family

ALLIUM CERNUUM Roth Nodding Onion  
[Ownbey, 1950; Gehlbach, 1965; Fletcher, 1980a; Burgess & Northington, 1981; Heil & Brack,  
1984; Sivinski, 1998]  
[Records: TX, Culberson Co., upper McKittrick Canyon, 21 Jul 1931, *Moore & Steyermark*  
3537 (GH; MO); Pine Springs, 6000 ft., 15 Aug 1946, *Shinners* 9065 (BRIT); Pine Canyon,  
30 Aug 1916, *Young* (TEX-LL); McKittrick Canyon, 30 Aug 1916, *Young* (TEX-LL); between  
Bush and Pine Top, *Hougham* (GUMO); N side of Bush Mtn., *Burgess* 2251 (TTC; GUMO)]  
[RDW 28605: UTEP] [GUMO]  
[Records: NM, Eddy Co., Gunsight Canyon, 15 Sep 1982, *Knight* 2360 (UNM)]

ALLIUM DRUMMONDII Regel Wild Onion  
[Burgess & Northington, 1981; Sivinski, 1998]

- [RDW 28149: UTEP; CHSC][GUMO]  
 [Records: NM, Eddy Co., lower Rocky Arroyo, 20 Apr 1992, *Sivinski* 1822 (NMC; UNM); Carlsbad Caverns Natl. Park., *Burgess* 4487 (TTC; GUMO); CCNP N of the sewage ponds, *Sutherland* 6946 (NMC); TX, Culberson Co., Guadalupe Peak, *Baker* 13092 (GUMO); 3 mi. N of Pine Spring, *Correll & Rollins* 23884 (TEX-LL); near Pine Springs, *Correll & Johnston* 22012 (TEX-LL)]
- ALLIUM GEYERI Wats. Geyer Onion  
 [Ownbey, 1950; Gehlbach, 1965; Riskind, 1974; Warnock, 1974; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., top of Guadalupe Peak, 3060 m, 28 Jul 1931, *Moore & Steyermark* 3674 (DS; GH; MO; NY; PH; UC); Bush Mtn., *Burgess* 2290 (TTC; GUMO); head of Smith Canyon, *Burgess* 3265 (TEX-LL)]
- ALLIUM GLANDULOSUM Link & Otto Gland Onion  
 [*Allium rhizomatum* Woot. & Standl.]  
 [Gehlbach, 1965]
- ALLIUM KUNTHII Don Kunth Onion  
 [Ownbey, 1950; Burgess & Northington, 1981]  
 Records: TX, Culberson Co., ridge above McKittrick Canyon, 25 Jul 1931, *Moore & Steyermark* 3651 (GH; MO; UC); Pine Springs Canyon, 5700 ft., 15 Aug 1946, *Shinners* 9055 (BRIT); 9.6 mi. N Pine Springs Campground, 20 Sep 1946, *Whitehouse* 16963 (BRIT); Guadalupe Mts., 15 Aug 1916, *Young* (MO; TEX-LL); Guadalupe Peak, *Baker* 13091 (GUMO)]  
 [RDW 28598, Ferguson 146: UTEP; UCR] [GUMO]
- ALLIUM MACROPETALUM Rydb. Largepetal Onion  
 [Gehlbach, 1965]
- ALLIUM PERDULCE S Fraser var. SPERRYI M. Ownbey  
 [Burgess & Northington, 1981; Sivinski, 1998]  
 [Records: NM, Eddy Co., 15 mi. NE of Carlsbad, 22 Mar 1995, *Sivinski* 2927 (UNM)]  
 Note: A collection is reported from the west bajada of the Guadalupe Mts. (Burgess & Northington, 1981)
- ASPARAGUS OFFICINALIS L. Garden Asparagus  
 [RDW 27698: UTEP]
- ECHEANDIA FLAVESCENS (J. A. & J. H. Schultes) Cruden Texas Amberlily; Yellow Crag-lily  
 [*Anthericum torreyi* Baker]  
 [Gehlbach, 1965; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., ridge SW of Dark Canyon, *Higgins* 9234 (NMC)] [RDW 30174: UTEP]
- LILIUM PHILADELPHICUM L. var. ANDINUM (Nutt.) Ker-Gawl. Western Orangecup; Woof Lily  
 [*Lilium umbellatum* Pursh]  
 [Gehlbach, 1965, a specimen in CCNP Herbarium from South McKittrick Canyon; Correll, 1968, reports Gehlbach's collection from South McKittrick Canyon; Riskind, 1974; Northington & Gurgess, 1979; Burgess & Northington, 1981, observed in North McKittrick Canyon]  
 [Records: TX, Culberson Co., South McKittrick Canyon about 1 mile beyond Hunters Lodge, *Gehlbach s.n.* (BAYLU; CCNP); S. McKittrick, *Warnock* 22801 (SRSC)]  
 Note: This species has been observed at Sitting Bull Falls on one occasion. No voucher specimens are available for the New Mexico portion of the Guadalupe Mts. The Gehlbach collection was flowering 6 June 1966. Riskind (1974) observed the species in McKittrick Canyon in 1969.
- MAIANTHEMUM RACEMOSUM (L.) Link ssp. AMPLEXICAULE (Nutt.) LaFrankie  
 [*Smilacina racemosa* (L.) Desf. var. *amplexicaule* (Nutt.) Wats.]  
 [Records: TX, Culberson Co., 2.8 km N, 1.3 km E top Hunter Peak (Northington & Burgess, 1979)]
- NOTHOSCORDUM BIVALVE (L.) Britt. Crow Poison  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess* 4529 (TTC; GUMO)] [RDW 27856: UTEP]  
 Note: See Burgess and Northington (1981) for a discussion about the relationship of this taxon to *N. texanum* M. E. Jones.
- POLYGONATUM COBRENSE (Woot. & Standl.) Gates Solomon Seal



[Correll, 1965; Riskind, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., S fork of McKittrick Canyon, 21 Jun 1964, *Correll & Hanson* 29803 (TEX-LL)]

Note: Scattered colonies are reported from McKittrick Canyon (Ownbey, 1944; Burgess & Northington, 1981).

SCHOENOCAULON WRIGHTII Sherman Texas Green-lily

[*Schoenocaulon texanum* Scheele]

[Brinker, 1942; Fletcher, 1980a; Burgess & Northington, 1981]

[Records: NM, Eddy Co., E of Queen, 19 May 1932, *Wilkins* 2026 (PA; US); TX, Culberson Co., ridge above McKittrick Canyon, 17 Jul 1931 (UTEP); S McKittrick Canyon, *Northington & Burgess* 492 (TTC; GUMO); Guadalupe Canyon, *Correll & Johnston* 22004 (TEX-LL)]

ZEPHYRANTHES LONGIFOLIA Hemsl. Raillily; Copper Zephyrlily

[Gehlbach, 1965]

[RDW 28315: UTEP]

ZIGADENUS ELEGANS Pursh ssp. ELEGANS Mountain Deathcamas; White Camas

[Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]

[Records: TX, Culberson Co., S McKittrick Canyon, Ahanging terraces.@ *Northington* 816 (TTC; GUMO)]

Note: The species has been found at seeps in McKittrick Canyon (Burgess & Northington, 1981).

## ORCHIDACEAE

## Orchid Family

CORALLORHIZA STRIATA Lindl. Striped Ciralroot

[Northington & Burgess, 1979; Burgess & Northington, 1981]

[Records: TX, Culberson Co., canyon NE of The Bowl, 7400 ft., *Burgess* 2119 (TTC; GUMO)]

EPIPACTIS GIGANTEA Hook. Stream Epipactis; Giant Helleborine

[Gehlbach, 1965; Spellenberg, 1976; Northington & Burgess, 1979; Burgess & Northington, 1981]

[Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 2071 (TTC; GUMO)]

HEXALECTRIS NITIDA L. O. Wms. Shining Hexalectris

[Burgess & Northington, 1981]

[Parent: ARIZ]

Note: Burgess and Northington (1981) mention the collection by H. L. Parent (30 June 1977) at Oak Spring.

MALAXIS PORPHYREA (Ridley) Kuntze Adder=s-mouth Orchid

[RDW 30171:UTEP]

## POTAMOGETONACEAE

## Pondweed Family

POTAMOGETON FOLIOSUS Raf. Leafy Pondweed

[Gehlbach, 1965]

[RDW 27966: UTEP; UCR; RSA-POM; UNM]

POTAMOGETON ILLINOËNSIS Morong. Illinois Pondweed

[Ogden, 1943; Burgess & Northington, 1981]

[UTEP: J. Meyer, s.n.]

[Records: TX, Culberson Co., Manzanita Spring (Burgess & Northington, 1981); McKittrick Canyon, *Moore & Steyermark* 3667 (Anot typical@); mouth of McKittrick Canyon, *Correll & Johnston* 19155 (TEX-LL)]

## TYPHACEAE

## Cat-tail Family

TYPHA ANGUSTIFOLIA L. Narrow-leaved Cat-tail

[Warnock, 1974; Baker, 1999]

- [RDW 27333: UTEP]  
 TYPHA DOMINGENSIS Pers. Tule; Southern Cat-tail  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., shallow pond 12 mi. SW of TX-NM state line, *Warnock*  
 6282 (TEX-LL)] [RDW 27703: UTEP]  
 TYPHA LATIFOLIA L. Broad-leaved Cat-tail  
 NOTE: A stand of this species grows above Sitting Bull Falls. It has not yet been vouchered.

## ZANNICHELLIACEAE

- ZANNICHELLIA PALUSTRIS L. Common Poolmat  
 [Burgess & Northington, 1981]  
 [Records: Manzanita Spring (Burgess & Northington, 1981)]

## MAGNOLIOPSIDA: Dicots

### ACANTHACEAE

### Acanthus Family

- DYSCHORISTE LINEARIS (Torr. & Gray) Kuntze var. CINERASCENS (Henrickson  
 & Hilsenb.) B. L. Turner  
 [Gehlbach, 1965]  
 [Records: lower McKittrick Canyon, *Northington 540* (TEX-LL)]  
 DYSCHORISTE SCHIEDEANA (Nees) Kuntze var. DECUMBENS (gray) Narrowleaf Dyschoriste  
 Henrickson  
 [*Dyschoriste decumbens* (A. Gray) Kuntze]  
 [Gehlbach, 1965; Warnock, 1974]  
 [Records: TX, Culberson Co., McKittrick Ranger Station, *Gehlbach* (GUMO)]  
 [RDW 27816: UTEP; UCR][Sivinski 4440: UNM, UTEP]  
 RUELLIA PARRYI Gray Parry Ruellia  
 [Wooton & Standley, 1915; Tharp & Barkley, 1949; Gehlbach, 1965; Van Devender, 1980,  
 Holocene remains; Daniel, 1984]  
 [NM, Eddy Co., Guadalupe Mts., 3 May 1941, *Hershey s.n.* (CAS); Carlsbad Caverns Natl. Park,  
 25 Apr 1924, *Lee 59* (US); Dark Canyon, 21 Apr 1932, *Wilkins* (PA); Dark Canyon, 4000 ft.,  
 5 Aug 1909, *Wooton s.n.* (NMC)][Dole 84: UC]  
 SIPHONOGLOSSA PILOSELLA (Nees) Torr. in Emory Hairy Tubetongue  
 [Warnock, 1974, Daniel, 1984]  
 [RDW 27694: UTEP][RDW 27807: UNM][McKechnie s.n.: UNM]  
 STENANDRIUM BARBATUM Torr. & Gray Shaggy Stenandrium  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1977;  
 Daniel, 1985]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess* (GUMO)]  
 [RDW 28128: UTEP][Nelson 11402: DS; GH; POM; UC]

## ACERACEAE

## Maple Family

- ACER GRANDIDENTATUM Nutt. var. GRANDIDENTATUM Bigtooth Maple; Palo de Azucar  
[Gehlbach, 1965; Fletcher, 1979, 1980a, 1980b; Gehlbach & Gardner, 1983; Knight, 1992;  
Baker, 1999]  
[Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 18235* (TEX-LL); mouth of  
Smith Canyon, *McVaugh 7394* (TEX-LL)][RDW 27701: UTEP]  
var. SINOSUM (Rehd.) Little  
[Mahler, no date]  
[Castetter 1791, 1792: UNM (Big Canyon and Carlsbad Caverns)]  
Note: Some additional work needs to be done to determine if two vars. are represented.

## AIZOACEAE (see also MOLLUGINACEAE)

## Fig-marigold Family

## AMARANTHACEAE

## Amaranthus Family

- ALTERNANTHERA CARACASANA H.B.K. Mat Chaff-flower  
[*Alternanthera repens* (L.) Kuntze]  
[RDW 27810: UTEP; UCR; UNM]  
AMARANTHUS BIGELOVII Uline & Gray  
[*Amaranthus torreyi* auct., non (Gray) S. Wat.]  
[Records: NM, Eddy Co., Whites City, *Worthington 32739* (UTEP)][RDW 25922 (GUMO; UTEP)]  
AMARANTHUS BLITOIDES S. Wats. Mat Amaranth  
[Records: NM, Eddy Co., Whites City, *Worthington 32734* (UTEP)][RDW 30215: UTEP]  
AMARANTHUS CRASSIPES Schlecht Spreading Amaranth  
[Warnock, 1974; Sivinski, Lowrey and Peterson, 1994]  
[Records: NM, Otero Co., Dog Canyon (T24S, R20E, Sec 25), 1600 m, 23 Oct 1984,  
*Peterson 84-642* (UNM)]  
AMARANTHUS PALMERI S.Wats. Palmer Amaranth; Bledo; Quelite  
[Records: NM, Eddy Co., Whites City, *Worthington 32733* (UTEP)][RDW 28013: UTEP;  
UCR; RSA-POM]  
AMARANTHUS POWELLII S. Wats. Powell 's Amaranth  
[RDW 30216: UTEP, UCR]  
AMARANTHUS RETROFLEXUS L. Redroot Amaranth; Rough Pigweed  
[Gehlbach, 1965]  
FROELICHA ARIZONICA Thornb. Arizona Snakecotton  
[Warnock, 1974]  
FROELICHA cf. FLORIDANA (Nutt.) Moq. var. CAMPESTRIS (Small.) Fern. Plains Snakecotton  
[RDW 27981: UTEP; UCR]  
GUILLEMINEA Densa (Humb. & Bonpl. ex Willd.) Moq. var. AGGREGATA Cottonflower  
Uline & Gray  
[Wootton & Standley, 1915; Henrickson, 1987]  
[Records: TX, Culberson Co., Bear Canyon trail to Pine Spring Canyon, *Burgess 4287*  
(TTC; GUMO)][Standley 40665: US]  
TIDESTROEMIA SUFFRUTICOSA (Torr.) Standl. var. SUFFRUTICOSA Shrubby Tidestroemia  
[Spellenberg & Wootten, 1999]  
[Spellenberg 12481: NMC]

## ANACARDIACEAE

## Sumac Family

- RHUS COPALLINA L. var. LANCEOLATA Gray Flameleaf Sumac; Lance-leaved Sumac

- [*Rhus lanceolata* (Gray) Britt.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1980, Holocene remains]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Sanchez* (GUMO); Choza Spring, *Burgess* 1645 (TTU; GUMO); 2 mi. NE of Pine Springs, *Lundell & Lundell 14412* (TEX-LL)]  
 [RDW 27702: UTEP]
- RHUS MICROPHYLLA Gray Desert Sumac; Littleleaf Sumac; Correosa  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Spellenberg & Wootten, 1999]  
 [RDW 27729: UTEP]
- RHUS TRILOBATA T. & G. var. PILOSISSIMA Engelm. Fragrant Sumac; Squawbush; Skunkbush  
 [*Schmaltzia emoryi* Greene; *S. pulchella* Greene]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1977; Fletcher, 1980a; Baker, 1999; Worthington, 1999a; Sivinski, 1999]  
 [Records: NM, Eddy Co., Queen, *Wooton* (NMC); TX, Culberson Co., 3 mi. N of Pine Springs, *Correll & Rollins 23899* (TEX-LL)][RDW 27950: UTEP]
- RHUS VIRENS Gray Evergreen Sumac; Tobacco Sumac; Lambrisco; Lentisco  
 [Barkley, 1937; Gehlbach, 1965; Warnock, 1974; Spellenberg, 1976; Van Devender, 1977, 1980; Turner, 1996]  
 [RDW 27995: UTEP; UCR; RSA-POM][NM, Eddy Co., rocky slopes near Carlsbad Caverns, 27 Sep 1931, *Payson 54* (RM); Sitting Bull Falls, *Carter 119* (NMC); TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Sanchez* (GUMO); SE slope of Pine Top, *Correll 13885* (TEX-LL)]
- TOXICODENDRON RYDBERGII (Small *ex* Rydberg) Greene Poison Ivy  
 [*Rhus radicans* L. var. *rydbergii* (Small *ex* Rydberg) Rehder]  
 [Gillis, 1971; Fnorthington & Burgess, 1979; letcher, 1980b; Baker, 1999]  
 [TX, Culberson Co., McKittrick Canyon, *Hinckley 4484* (SRSC), *Burgess 3709* (TTC; GUMO)]

## APOCYNACEAE

## Dogbane Family

- AMSONIA LONGIFLORA Torr. var. SALPIGNATHA (Woodson) McLaughlin Trumpet Slimpod  
 [Spellenberg & Wootten, 1999]  
 [Spellenberg 12434, 12441, 12474, 12501: NMC; NY; UNM]
- APOCYNUM CANNABINUM L. Dogbane; Common Dogbane; Indian Hemp  
 [*Apocynum sibiricum* Jacq. var. *salignum* (Greene) Fern.]  
 [Gehlbach, 1965; Burgess & Northington, 1981; Baker, 1999]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess 4594* (TTC; GUMO); Sitting Bull Falls, *Ferguson 316* (UTEP; UCR)]

## ASCLEPIADACEAE

## Milkweed Family

- ASCLEPIAS ASPERULA (Dcne.) Woodson ssp. ASPERULA Spider Antelopehorn  
 [Woodson, 1954; Gehlbach, 1965]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess 4467* (TTC; GUMO); TX, Culberson Co., McKittrick Ranger Station, *Sanchez* (GUMO); Guadalupe Canyon, *Warnock 5370* (TEX-LL)]  
 [RDW 28258, UTEP; Lambert, 928; UTEP]
- ASCLEPIAS BRACHYSTEPHANA Engelm. *ex* Torr. Shortcrown Milkweed  
 [Burgess & Northington, 1981]  
 [UTEP: Van Devender]
- ASCLEPIAS ELATA Benth.

- [Wooton & Standley, 1915]  
 ASCLEPIAS ENGELMANNIANA Woodson Engelmann Milkweed  
 [Woodson, 1954]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 1253 (TTC; GUMO)]  
 [RDW 27867: UTEP]
- ASCLEPIAS LATIFOLIA (Torr.) Raf. Broadleaf Milkweed  
 [Woodson, 1954]  
 [Records: TX, Culberson Co., Choza Spring, *Burgess* 3674 (TTC; GUMO); below Pine Canyon, *Young* (TEX-LL)]  
 [RDW 28285: UTEP]
- ASCLEPIAS MACROTIS Torr. Longhood Milkweed  
 [Woodson, 1954; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess* 1296 (TTC; GUMO), *Warnock* 9522 (TEX-LL); Guadalupe Mountains, *Young* (TEX-LL)]  
 [Spellenberg 12507: NMC; NY]
- ASCLEPIAS OENOTHEROIDES Cham. & Schlecht. Longhorn Milkweed; Hierba de Zizotes  
 [Van Devender, 1975]  
 [Records: TX, Culberson Co., mouth of Guadalupe Canyon, *Correll & Johnston* 21988 (TEX-LL)]
- ASCLEPIAS SUBVERTICILLATA (Gray) Vail Poison Milkweed  
 [Woodson, 1954]  
 [RDW 28023: UTEP]
- ASCLEPIAS TUBEROSA L. ssp. INTERIOR Woodson Butterfly Milkweed; Orange Milkweed  
 [*Asclepias tuberosa* L. ssp. *terminalis* Woodson]  
 [Woodson, 1954; Gehlbach, 1965; Spellenberg, 1976; Northington & Burgess, 1979; Fletcher, 1980a; Baker, 1999]  
 [Records: TX, Culberson Co., Smith Canyon, *Burgess* 989 (TTC; GUMO); mouth of McKittrick Canyon, *Correll & Johnston* 19157 (TEX-LL)]  
 [RDW 28323: UTEP; UCR] [UTEF: Ferguson, 326]
- ASCLEPIAS VIRIDIFLORA Raf.  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 1032 (TTC; GUMO)]
- MATELEA PRODUCTA (Torr.) Woods. Milkvine; Twining Milkvine  
 [*Gonolobus productus* Torr.]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Williams Ranch, *Hougham* (GUMO)] [RDW 27922: UTEP]
- SARCOSTEMMA CRISPUM Benth. Wavyleaf Twinevine; Climbing Milkweed  
 [*Philibertella crispa* (Benth.) Vail; *Funastrum crispum* (Benth.) Schlecht.]  
 [Wooton & Standley, 1915]  
 [Records: TX, Culberson Co., Williams Ranch, *Hougham* (GUMO)]  
 [Sivinski 4442: UNM, UTEP]
- SARCOSTEMMA CYNANCHOIDES Decaisne  
 [Records: NM, Eddy Co., Queen, *Wooton* (NMC)]

## ASTERACEAE (COMPOSITAE)

## Sunflower Family

- ACHILLEA MILLEFOLIUM L.  
 [Records: TX, Culberson Co., jcy. Tejas and Juniper Trails, *Hougham* (GUMO)]
- ACOURTIA NANA (Gray) Reveal & King Desert Holly  
 [*Perezia nana* Gray]  
 [Gehlbach, 1965; Van Devender, 1977]  
 [RDW 28037: UTEP; UCR]
- ACOURTIA WRIGHTII (Gray) Reveal & King Brownfoot; Pink Perezia  
 [*Perezia wrightii* Gray]  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977]

[Records: NM, Eddy Co., Dark Canyon, *Higgins 7361* (NMC)][RDW 27725: UTEP]  
 AGERATINA HERBACEA (Gray) King & H. E. Robins. Fragrant Snakeroot  
 [*Eupatorium herbaceum* (Gray) Greene  
 [Records: TX, Culberson Co., McKittrick Ridge, *Hougham* (GUMO)]  
 [RDW 28637: UTEP; UCR]

AGERATINA WRIGHTII (Gray) King & Robins. Wright=s Snakeroot  
 [*Eupatorium wrightii* Gray]  
 [RDW 28071: UTEP; TEX-LL]

AMBROSIA ARTEMISIIFOLIA L. Short Ragweed  
 [Burgess & Northington, 1981]  
 [RDW 28065: UTEP; UCR; TEX-LL]

AMBROSIA CONFERTIFLORA DC. Field Ragweed  
 [Gehlbach, 1965; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
 [RDW 28062: UTEP; TEX-LL]

AMBROSIA PSILOSTACHYA DC. Western Ragweed  
 [Warnock, 1974; Burgess & Northington, 1981]

ANTENNARIA MARGINATA Greene  
 [Records: TX, Culberson Co., The Bowl, *Warnock 5460* (TEX-LL)]

ANTENNARIA PARVIFOLIA Nutt. Pussytoes  
 [Fletcher, 1980b]  
 [Records: TX, Culberson Co., jct. The Bowl and Hunter Peak, *Hougham* (GUMO); 1.9 km N and  
 1.2 km E top of Lost Peak, *Burgess 3368* (TEX-LL)]  
 [RDW 28923: UTEP]

APHANOSTEPHUS RAMOSISSIMUS DC. Plains Dozedaisy; Lazy Daisy; White Daisy  
 var. HUMILIS (Benth.) Turner & Birdsong  
 [Gehlbach, 1965; Turner, 1984, mapped]  
 [Records: TX, Culberson Co., 2.5 km S and 2.7 km W top Cutoff Peak, *Burgess 3210* (  
 TTC; GUMO)][RDW 28124: UTEP]

ARTEMISIA DRACUNCULUS L. ssp. GLAUCA (Pall. ex Willd.) Hall & Clements False-tarragon Sagewort  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 12052* (TEX-LL)]  
 [RDW 28063: UTEP; UCR; TEX-LL; RSA-POM]

ARTEMISIA LUDOVICIANA Nutt. Louisiana Sagebrush  
 [Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains]  
 [[Records: TX, Culberson Co., Bone Canyon, *Burgess 1623* (TTC; GUMO)]  
 [RDW 28042: UTEP]

ASTER ERICOIDES L. White Prairie Daisy  
 [RDW 28027: UTEP; TEX-LL]

BACCHARIS HAVARDII Gray Havard Baccharis  
 [Records: TX, Culberson Co., Bone Canyon, *Burgess 4333* (TTC; GUMO); Pine Springs, *Correll  
 & Johnston 24267* (TEX-LL)]  
 [RDW 28608, 28638: UTEP; SRSC; UCR]

BACCHARIS PTERONIOIDES DC. Yerba-de-pasmo; Groundsel Shrub  
 [Wooton & Standley, 1915; Gehlbach, 1965; Worthington, 1999a]  
 [Records: NM, Eddy Co., Guadalupe Mts., *Hershey 2720* (NMC); Queen, *Wooton* (NMC); TX,  
 Culberson Co., Pine Springs, *Whitehouse* (TEX-LL), *Young* (TEX-LL)]  
 [RDW 28090: UTEP]

BACCHARIS SALICIFOLIA (R. & P.) Pers. Seepwillow  
 [*Baccharis glutinosa* Pers.]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., E side of Guadalupe Peak, *McVaugh 7388* (TEX-LL)]

BACCHARIS SALICINA T. & G. Willow Baccharis  
 [Records: TX, Culberson Co., Choza Spring, *Burgess 3678* (TTC; GUMO); South Fork McKittrick  
 Canyon, *Correll & Correll 26060* (TEX-LL)]  
 [RDW 27811: UTEP; UCR; UNM]

BACCHARIS WRIGHTII Gray Wrights Baccharis  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., N end Patterson Hills, *Burgess* 4112 (TTC; GUMO)]

BAHIA ABSINTHIFOLIA Benth. var. DEALBATA Gray Hairyseed Bahia  
 [Gehlbach, 1965; Worthington, 1999a]  
 [Records: TX, Culberson Co., top Guadalupe Peak, *Burgess* 1532 (TTC; GUMO)]

BAHIA DISSECTA (Gray) Britt. Ragleaf Bahia  
 [Records: TX, Culberson Co., near top Lost Peak, *Burgess* 4370 (TTC; GUMO); Pine Springs  
 Canyon, *Correll & Correll* 26093 (TEX-LL)]  
 [RDW 28663: UTEP]

BAHIA PEDATA Gray Bluntscale Bahia  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975]  
 [Records: TX, Culberson Co., 4.8 km W top Bush Mtn., *Burgess* 3769 (TTC; GUMO); Guadalupe  
 Canyon, *Warnock* 6325 (TEX-LL)]

BAHIA WOODHOUSEI (Gray) Gray  
 [Warnock, 1960]  
 [Records: TX, Culberson Co., along US 62-180 at Cherry Canyon, 5 mi. E of Pine Spring  
 Station, 5100 ft., 5 Jul 1947, *Warnock* 6311 (SRSC)]

BAILEYA MULTIRADIATA Harv. & Gray ex Gray Desert Baileya  
 [Gehlbach, 1965]

BERLANDIERA LYRATA Benth. var. LYRATA Lyerleaf Greeneyes  
 [Gehlbach, 1965]  
 var. MACROPHYLLA Gray  
 [Wootton & Standley, 1915; Pinkava, 1967]  
 [Records: TX, Culberson Co., S McKittrick Canyon, *Burgess* 1138 (TTC; GUMO)]  
 [RDW 28594: UTEP; UCR]

BRICKELLIA BRACHYPHYLLA (Gray) Gray Plume Brickellia  
 [Records: TX, Culberson Co., N McKittrick Canyon, *Burgess* 1265 (TTC; GUMO); McKittrick  
 Canyon, *Warnock* 9429 (TEX-LL); Smith Canyon, *Warnock* 96 (TEX-LL)]  
 [RDW 28026: UTEP; UCR; TEX-LL]

BRICKELLIA CALIFORNICA (Torr. & Gray) Gray California Brickelbush  
 [Gehlbach, 1965; Spellenberg, 1976; Van Devender, 1977; Baker, 1999]  
 [Records: TX, Culberson Co., upper Pine Canyon, *Warnock* 84 (TEX-LL)][RDW 28029: UTEP;  
 UCR; TEX-LL]

BRICKELLIA EUPATORIOIDES (L.) Shinnery Southwest Kuhnia  
 [*Kuhnia chlorolepis* Woot. & Standl.]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., 2 mi. NE of Pine Springs, *Correll & Johnston* 24237 (TEX-LL)]  
 [RDW 28061: UTEP; UCR; TEX-LL]

BRICKELLIA FENDLERI GRAY  
 [Records: TX, Culberson Co., canyon draining The Bowl, *Burgess* 4272 (TTC; GUMO)]

BRICKELLIA GRANDIFLORA (Hook.) Nutt. Tasselflower Brickellbush  
 [Records: TX, Culberson Co., Blue Ridge, *Burgess* 4320 (TTC; GUMO); South McKittrick Canyon,  
*Warnock* 12067 (TEX-LL)]  
 [RDW 28628: UTEP; UCR]

BRICKELLIA LACINIATA Gray Splitsleaf Brickellia  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Spellenberg & Wootton, 1999]  
 [Records: NM, Eddy Co., Walnut Canyon, *Gehlbach* (GUMO); TX, Culberson Co., Choza  
 Spring, *Burgess* 1653 (TTC; GUMO)]  
 [Records: TX, Culberson Co., Pine Springs, *Young* (TEX-LL)][RDW 28069: UTEP; UCR;  
 TEX-LL; RSA-POM]

BRICKELLIA PARVULA Gray  
 [Riskind, 1974]  
 [Records: TX, Culberson Co., Pine Springs Canyon, *Correll & Johnston* 24259 (TEX-LL)]

CENTAUREA AMERICANA Nutt. American Basketflower

- [Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper Dog Canyon Ranger Station, *Burgess* 1486 (TTC; GUMO)]  
 [RDW 28318: UTEP]
- CENTAUREA MELITENSIS L. Malta Starthistle; Tocalote  
 [RDW 28263: UTEP]
- CHAETOPAPPA ERICOIDES (Torr.) Nesom Baby White Aster  
 [*Leucelene ericoides* (Torr.) Greene; *Aster hirtifolius* Blake  
 [Shinners, 1946b; Gehlbach, 1965; Strother, 1972; Ward & Spellenberg, 1986; Sivinski,  
 1999; Worthington, 1999a]  
 [Records: TX, Culberson Co., Pine Springs Canyon Campground, *Spellenberg* 7004 (NMC);  
 5 mi. NE Pine Springs, *Waterfall* 5273 (GH); 1.5 mi. E Pine Springs Station, *Strother* 762  
 (UC): *Worthington* 27684 (UTEP); *Perry Convis* 6 (US)]
- CHAETOPAPPA HERSHEYI Blake Mat Leastdaisy  
 [Blake, 1946; Shinners, 1946a; Riskind, 1974; Northington & Burgess, 1979; Fletcher,  
 1980a; Burgess & Northington, 1981; Ward & Spellenberg, 1986; Nesom, 1988; Hayes, 1988]  
 [Records: TX, Culberson Co., Pine Springs Canyon, *Spellenberg* 6476 (NMC); McKittrick Canyon,  
 15-17 Aug 1924, *Standley* (US); Guadalupe Mts., 1882, *Havard* (GH); *Hershey* 3532 (Type: US); S.  
 McKittrick Canyon, *Burgess*, 1854, *Northington* 496 (TTC; GUMO), *Warnock* & *Johnston* 16438  
 (TEX-LL); Pipe Canyon above upper Pine Springs, *McVaugh* 8152 (TEX-LL)]
- CHRYSACTINA MEXICANA Gray Damianita; Mexican Dogweed  
 [Wooton & Standley, 1915; Gehlbach, 1965; Strother, 1977; Fletcher, 1979, 1980a, 1980b]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Northington* 511 (TTC; GUMO); NM, Eddy  
 Co., Sitting Bull Falls, *Ferguson* 321 (UTEP; UCR)]  
 [UTEP: Lambert, 871] [RDW 27860: UTEP]
- CIRSIUM NEOMEXICNUM Gray New Mexico Thistle  
 [RDW 28290: UTEP]
- CIRSIUM OCHROCENTRUM Gray Yellowspine Thistle  
 [Records: TX, Culberson Co., upper Dog Canyon Ranger Station, *Burgess* 1497 (TTC; GUMO)]  
 [RDW 27720: UTEP]
- ?CIRSIUM TURNERI Warnock  
 [Riskind, 1974]  
 Note: Riskind (1974) reports that it is in upper Smith Canyon.
- CIRSIUM UNDULATUM (Nutt.) Spreng. Wavyleaf Thistle  
 [Gehlbach, 1965; Fletcher, 1980a]  
 [Records: TX, Culberson Co., Guadalupe Peak, *Burgess* 1072 (TTC; GUMO); McKittrick  
 Canyon, *Gehlbach* (GUMO); lower McKittrick Canyon, *Correll & Johnston* 18509 (TEX-LL)]  
 [RDW 27677: UTEP]
- CONYZA CANADENSIS (L.) Cronq. Horseweed  
 [Records: TX, Culberson Co., Pine Springs, *Hougham* (GUMO), *Whitehouse* (TEX-LL)]  
 [RDW 27974: UTEP]
- COREOPSIS GRANDIFLORA Sweet Bigflower Coreopsis  
 [Sivinski 1795: UNM]
- COREOPSIS cf. LANCEOLATA L.  
 [Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Warnock* 22804; McKittrick Canyon, *Burgess*  
 2060 (TEX-LL); above McKittrick Canyon, *Steyermark* 3632 (TEX-LL)]
- DYSSODIA PAPPOSA (Vent.) Hitchc. Mayleaf Dogweed; False Dogfennel  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Pine Springs, *Young* (TEX-LL)] [RDW 28661: UTEP]  
 [RDW 30211: UTEP]
- ENGELMANNIA PERISTENIA (Raf.) Goodm. & Laws. Engelmann Daisy  
 [*Engelmannia pinmatifida* Torr. & Gray]  
 [Burgess & Northington, 1981; Baker, 1999]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess* 4591 (TTC; GUMO)]  
 [RDW 27955: UTEP; UCR] [Baker, 13359]



- ERICAMERIA NAUSEOSA (von Pallas *ex Pursh*) Nesom & Baird  
 var. BIGELOVII (Torrey) Nesom & Baird  
 [*Chrysothamnus bigelovii* (Gray) Greene; *C. nauseosus* (Pallas *ex Pursh*) Britt. ssp. *bigelovii* (Gray) Hall & Clem.]  
 [Riskind, 1974]  
 var. TEXENSIS (Anderson) Nesom & Baird  
 [Fletcher, 1979; Anderson, 1980; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South Fork McKittrick Canyon, *Correll & Correll 26074* (TEX-LL); Pine Springs, *Whitehouse 8470* (TEX-LL); above Smith Spring, *Anderson* (TEX-LL)][RDW 28083: UTEP; UCR; RSA-POM][Van Devender: ARIZ] {Burgess 1605, 4696: ARIZ}  
 [Patterson 521: TEX-LL]
- ERICAMERIA PULCHELLA (Gray) L. C. Anderson ssp. BAILEYI (Woot. & Standl.) L. C. Anderson Bailey=s Rabbitbrush  
 [*Chrysothamnus baileyi* Woot. & Standl.]  
 [Wooton & Standley, 1913, 1915]  
 [Records: TX, Culberson Co., near Frijole, *Lundell & Lundell* (TEX-LL); near Pine Springs, *Young* (TEX-LL); NM, north end of the Guadalupe Mts., *Bailey 498* (US -type)]
- ERICAMERIA SPATHULATA (L. C. Anders.) L. C. Anders.  
 [*Chrysothamnus viscidiflorus* (Hook.) Nutt. var. *ludens* Shinnery; *Chrysothamnus spathulata* L. C. Anders.]  
 [Shinnery, 1964; Riskind, 1974; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., Pine Springs Station, 15 Aug 1946, *Shinnery* 9063 (Type: BRIT); above Hunters Lodge in S. McKittrick Canyon, 13 Aug 1949, *Warnock 9499* (Paratype: BRIT?); S. McKittrick Canyon, *Burgess 3723* (TTC; GUMO); near Pine Springs, *Young* (TEX-LL)]
- ERIGERON COLOMEXICANUS A. Nels. Running Fleabane  
 [Records: TX, Culberson Co., 5 mi. NE of Pine Springs, *Waterfall 5274* (TEX-LL); South McKittrick Canyon, *Warnock 18496* (TEX-LL)][UTEP: Lambert, 894]
- ERIGERON DIVERGENS Torr. & Gray Spreading Fleabane  
 [Fletcher, 1979, 1980a]  
 [Records: TX, Culberson Co., west escarpment, *Burgess 3196* (TTC; GUMO)]
- ERIGERON FLAGELLARIS Gray Trailing Fleabane  
 [Gehlbach, 1965; Fletcher, 1979, 1980a]
- ERIGERON MODESTUS Gray Plains Fleabane  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., mouth Slaughter Canyon, *Burgess 4478* (TTC; GUMO); TX, Culberson Co., McKittrick Canyon Ranger Station, *Sanchez* (GUMO); South McKittrick Canyon, *Warnock 11022* (TEX-LL)]  
 [RDW 27973, 28079: UTEP]
- EUPATORIUM ROTHROCKII Gray  
 [Records: TX, Culberson Co., below Bear Canyon Narrows, *Hougham* (GUMO)]
- EVAX VERNA Raf. Rabbit Tobacco; Cotton Rose  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess 4452* (TTC; GUMO)]  
 [RDW 28132: UTEP]
- FLAVERIA TRINERVIA (Spreng.) C. Mohr. Cluster Flaveria  
 [*Flaveria repanda* Lag.]  
 [Wooton & Standley, 1915; Powell & Powell, 1978]  
 [Records: NM, Eddy Co., Rustler Springs, *Powell & Powell 3037*(SRSC); TX, Culberson Co., Guadalupe Pass along US 62-180, *Hougham* (GUMO)]
- FLOURENSIA CERNUA DC. Tarbush; Hojase  
 [Gehlbach, 1965; Burgess & Northington, 1981; Dillon, 1984]  
 [Records: NM, Eddy Co., road to Carlsbad Caverns, *Standley 40376* (US)]
- GAILLARDIA MULTICEPS Greene  
 [Northington & Burgess, 1979; Spellenberg & Wootten, 1999]
- GAILLARDIA PINNATIFIDA Torr. Slender Gaillardia; Cut-leaved Blanket Flower  
 [Biddulph, 1944; Gehlbach, 1965]

- [Records: NM, Eddy Co., Carlsbad Caverns, 24 May 1931, *Nelson* 11388 (GH; MO; RM; UC); Carlsbad Caverns, Apr 1930, *Convis* 68 (RM); Three Forks Rocky Arroyo, 30 Apr 1932, *Wilkins* 1718 (PH); Carson Seep Ranger Station, 4 Jun 1932, *Wilkins* 2269 (PH); TX, Culberson Co., Guadalupe Mts., Oct 1881, *Havard* (US); foothills of the Guadalupe Mts., 21 Aug 1916, *Young* (MO); flats below McKittrick Canyon, 23 Jul 1931, *Moore & Steyermark* 3619 (MO)]  
 [UTEP: Lambert, 870] [RDW 27933: UTEP]
- GAILLARDIA PULCHELLA Foug. Firewheel; Indian Blanket  
 [*Gaillardia neomexicana* A. Nels.]  
 [Biddulph, 1944; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Three Forks Rocky Arroyo, 30 Apr 1932, *Wilkins* 1716 (PH)]
- GNAPHALIUM CANESCENS DC. Wright Cudweed  
 [*Gnaphalium wrightii* Gray]  
 [Gehlbach, 1965]
- GNAPHALIUM STRAMINEUM Kunth Cotton-batting Cudweed  
 [*Gnaphalium chilense* Spreng.]  
 [RDW 28072: UTEP; UCR; TEX-LL]
- GRINDELIA HAVARDII Steyermark. Havard Gumweed  
 [Steyermark, 1934; Gehlbach, 1965; Riskind, 1974; Northington & Burgess, 1979; Nesom, 1990]  
 [Records: Tx, Culberson Co., dry gravelly wash near mouth of McKittrick Canyon, 2000 m, 23 Jul 1931, *Moore & Steyermark* 3607 (Type:MO; Isotype: TEX-LL); Choza Spring, *Burgess* 3592 (TTC; GUMO); McKittrick Canyon, *Hougham* (GUMO); NM, Eddy Co., dry fields, Black River, 12-20 Aug 1924, *Standley* 40439 (US)]
- GRINDELIA NUDA Alph. Wood var. APHANACTIS (Rydb.) Nesom Curlycup Gumweed  
 [*Grindelia squarrosa* (Pursh) Dunal]  
 [Steyermark, 1934; Gehlbach, 1965]  
 [RDW 27958: RDW; UCR][Standley 40708: US]
- GUTIERREZIA MICROCEPHALA (DC.) Gray Threadleaf Snakeweed  
 [*Xanthocephalum microcephalum* (DC.) Shinners; *Gutierrezia lucida* Greene; *G. glomerella* Greene]  
 [Wootton & Standley, 1915; Gehlbach, 1965; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., near Cutoff Mtn., *Burgess* 2752 (TTC; GUMO)]
- GUTIERREZIA SAROTHRAE (Pursh) Britt. & Rusby Broom Snakeweed  
 [Gehlbach, 1965; Van Devender, 1975, 1977; Fletcher, 1980a, 1980b; Van Devender, 1980, Holocene remains; Heil & Brack, 1984]  
 [Records: TX, Culberson Co., 0.7 km S and 2.2 km E top of Bush Mtn., *Burgess* 2714 (TEX-LL); South McKittrick Canyon, *Warnock* 12010 (TEX-LL)][RDW 28035: UTEP; UCR; TEX-LL; RSA-POM]
- GUTIERREZIA SPHAEROCEPHALA Gray Roundleaf Snakeweed  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Signal Peak Housing, *Hougham* (GUMO)]  
 [RDW 28319: UTEP]
- GYMNOSPERMA GLUTINOSA (Spreng.) Less. Tatalencho  
 [Gehlbach, 1965; Warnock, 1974]  
 [Records: TX, Culberson Co., Devil=s Hall Trail, *Hougham* (GUMO); South McKittrick Canyon, *Correll & Correll* 26055 (TEX-LL)]  
 [RDW 28018: UTEP; TEX-LL]
- HAPLOESTHES GREGGII Gray False Broomweed  
 [Spellenberg & Wootten, 1999]  
 [Spellenberg 12437: NMC]
- HELENIUM MICROCEPHALUM DC. Smallhead Sneezeweed  
 [Warnock, 1974]  
 [Records: TX, Culberson Co., McKittrick Canyon parking area, *Hougham* (GUMO)]
- HELIANTHUS ANNUUS L. Common Sunflower  
 [Gehlbach, 1965]

HELIANTHUS CILIARIS DC. Blueweed Sunflower  
 [RDW 28331: UTEP]

HELIANTHUS RIGIDUS (Cass.) Desf. var. RIGIDUS  
 [Records: TX, Culberson Co., above Pratt Lodge, 5500 ft., *Hougham* (GUMO), *Powell & Wauer 5873* (TEX-LL)]

HETEROSPERMA PINNATUM Cav. Fineleaf Heterosperma  
 [RDW 28010: UTEP; UCR; TEX-LL; RSA-POM] [RDW 30224: UTEP, UCR]

?HETEROTHECA CANESCENS (DC.) Shinners Gray Goldaster  
 [Semple, 1996]  
 [McKechnie 238: POM; WIS]  
 Note: The McKechnie collection cited by Semple (1996) is from Washington Ranch.

HETEROTHECA FULCRATA (Greene) Shinners Rocky Goldaster  
 [Records: TX, Culberson Co., *Burgess 3593* (TTC; GUMO); above Frijole, *Lundell & Lundell 14390* (TEX-LL)]  
 [RDW 28604: UTEP; UCR]

HETEROTHECA SUBAXILLARIS (Lam.) Britt. & Rusby  
 [*Heterotheca latifolia* Buckl. Var. *macgregoris* Wagenknecht]  
 [Harms, 1965, mapped]

HETEROTHECA VILLOSA (Pursh) Shinners Hispid Golden Aster  
 [Warnock, 1974; Baker, 1999]  
 [Records: TX, Culberson Co., Bear Canyon, *Hougham* (GUMO)]  
 [UTEF: Van Devender, s.n.] [RDW 27956: UTEP; UCR; TEX-LL][Baker, 13358]

HETEROTHECA VISCIDA (Gray) Harms  
 [Harms, 1968; Riskind, 1974; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Fisher s.n.* (OKLA), *Lundell & Lundell 1439* (BRIT), *Turner 1253* (BRIT); Smith and Bear Canyons (Northington & Burgess, 1979); Smith Canyon, *Oatmann & Rowlett* (TEX-LL)]

HIERACIUM CARNEUM Greene Huachuca Hawkweed  
 [RDW 28596: UTEP; UCR][RDW 30173: UTEP, SRSC]

HIERACIUM FENDLERI Sch. Bip. Yellow Hawkweed  
 [Fletcher, 1980b; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., The Bowl, *Hougham* (GUMO)]  
 [RDW 30132: UTEP] [RDW 30155: UTEP]

HYMENOCLEA MONOGYRA Torr. & Gray Cheese-weed; Singlewhorl Burrobush  
 [Van Devender, 1975]

HYMENOPAPPUS BIENNIS Turner  
 [Turner, 1956; Riskind, 1974; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., Guadalupe Mts., Oct 1881, *Havard* (US); South McKittrick Canyon, *Hinckley 4472* (US); ridge above McKittrick Canyon, 17 Jul 1931, *Moore & Steyermark* (CAS; DS; GH; MO; NY; UC); South McKittrick Canyon, *Muller 8287* (BRIT; WS); The Bowl, *Correll 13920* (BRIT)]

HYMENOPAPPUS FLAVESCENS Gray var. CANO-TOMENTOSUA Gray  
 [Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., El Capitan Trail, *Hougham* (GUMO)]

HYMENOXYS RICHARDSONII (Hook.) Cockerell var. FLORIBUNDA (Gray) Parker  
 [Riskind, 1974; Northington & Burgess, 1979; Bierner, 2001]  
 [Records: TX, Culberson Co., open rocky ridge below Guadalupe Peak, 28 Jul 1931, *Moore & Steyermark 3676* (GH; MO; NY); Bush Mtn., *Burgess 1335* (TTC; GUMO); Pine Canyon, *Correll & Hanson 29799* (TEX-LL)]

ISOCOMA PLURIFLORA (Torr. & Gray) Greene  
 [*Isocoma wrightii* (Gray) Rydb.]  
 [Nesom, 1991, mapped]

ISOCOMA RUSBYI Greene Goldenweed  
 [*Haplopappus drummondii* (Torr. & Gray) Blake]  
 [Gehlbach, 1965]

- IVA DEALBATA Gray Woolly Sumpweed  
 [Records: TX, Culberson Co., Marcus Cabin near Coyote Peak, *Burgess* 1697 (TTC; GUMO); NM, Eddy Co., Whites City, *Worthington* 32855 (UTEP)]  
 [RDW 28097: UTEP]
- LACTUCA GRAMINIFOLIA Michx.  
 [Riskind, 1974; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess* 2084, 3712 (TTC; GUMO)]
- LAENNECIA COULTERI (Gray) Nesom Coulter Laennecia  
 [*Conyza coulteri* Gray; *Eschenbachia coulteri* (Gray) Rydb.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Marcus Cabin near Coyote Peak, *Burgess* 1696 (TTC; GUMO); Pine Canyon, *Correll & Correll* 24698 (TEX-LL)]  
 [RDW 30195: UTEP]
- LIATRIS PUNCTATA Hook. var. PUNCTATA Dotted Gayflower  
 [Gaiser, 1946; Gehlbach, 1965]  
 [TX, Culberson Co., Guadalupe Mts., Sep 1888, *Havard* (US); Pine Springs Canyon, *Correll & Johnston* 24279 (TEX-LL); South McKittrick Canyon, *Warnock* 9506 (TEX-LL)] [RDW 28570: UTEP; UCR]
- LYGODESMIA JUNCEA (Pursh) D. Don Rush Skeletonplant  
 [Gehlbach, 1965]
- LYGODESMIA TEXANA (T. & G.) Greene Skeleton Plant; Texas Stephanomeria  
 [Van Devender, 1977]  
 [RDW 27932: UTEP]
- MACHAERANTHERA BLEPHARIPHYLLA (Gray) Shinnery White-eye Goldenweed  
 [*Sideranthus serratus* (Greene) Standley]  
 [Wooton & Standley, 1915; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Burgess* 665 (TTC; GUMO); 2.7 mi. N of Pine Springs Camp, *Whitehouse* 17058 (TEX-LL)]  
 [RDW 27863: UTEP]
- MACHAERANTHERA CANESCENS (Pursh) Gray var. GLABRA Gray  
 [Records: TX, Culberson Co., E. Patterson Hills at gap (along Williams Ranch Road), *Burgess* 1725 (TTC; GUMO)]
- MACHAERANTHERA GRACILIS (Nutt.) Shinnery Slender Goldenweed  
 [Gehlbach, 1965]
- MACHAERANTHERA PINNATIFIDA (Hook.) Shinnery cf. var. PINNATIFIDA Lacy Tansyaster  
 [*Machaeranthera spinulosus* (Pursh) DC.]  
 [Gehlbach, 1965; Warnock, 1974; Turner & Hartman, 1976; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., McKittrick Ranger Station, *Sanchez* (GUMO)]  
 [RDW 27938: UTEP] [Spellenberg 12505: NMC]
- MACHAERANTHERA TANACETIFOLIA (H.B.K.) Nees Tansyleaf Machaeranthera  
 [*Aster tanacetifolius* H.B.K.]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Williams Ranch Road N of notch in E. Patterson Hills, *Burgess* 3347 (TTC; GUMO)]
- MELAMPODIUM LEUCANTHUM T. & G. Plain Blackfoot  
 [Gehlbach, 1965; Stuessy, 1970, 1971; Warnock, 1974; Van Devender, 1977; Fletcher, 1980a; Worthington, 1999a]  
 [TX, Culberson Co., Pine Springs, *Young s.n.* (TEX-LL); NM, Eddy Co., near Whites City, *Turner* 5633] [RDW 27915: UTEP]  
 [Lambert 903: UTEP]
- PAKERA FENDLERI (Gray) Weber & Löve  
 [*Senecio fendleri* Gray]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Burgess* 3127 (TEX-LL)]
- PACKERA NEOMEXICANA (Gray) w. A. Weber & A. Löve New Mexico Groundsel

- var. NEOMEXICANA  
 [*Senecio neomexicana* Gray]  
 [Riskind, 1974; Barkley, 1978; Northington & Burgess, 1979; Barkley, 1980; Fletcher, 1979, 1980b]  
 [TX, Culberson Co., N. McKittrick Canyon, *Hinckley & Hinckley* 28 (US); upper Dog Canyon,  
*Northington & Burgess* 371 (TTC)]
- PACKERA OBOVATA (Muhl. ex Willd.) W. A. Weber & A. Löve Roundleaf Ragwort  
 [*Senecio obovatus* Muhl. ex Willd.]  
 [Records: TX, Culberson Co., Smith Spring, *Burgess* 1836 (TTC; GUMO); North McKittrick  
 Canyon, *Burgess* 3237 (TEX-LL)]  
 [RDW 29975: UTEP, BRIT, UCR] [RDW 30129: UTEP] [RDW 28840: UTEP, BRIT]  
 Note: These populations from high elevations in Eddy Co. Represent an addition to the  
 flora of New Mexico. Fletcher (1980a, 1980b) observed what must have been this species  
 and reported it as *Senecio hartianus* Heller.
- PARTHENIUM CONFERTUM Gray var. LYRATUM (Gray) Rollins Lyerleaf Parthenium  
 [Wootton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977]  
 [Records: TX, Culberson Co., Choza Spring, *Hougham* (GUMO); Pine Canyon, *Correll & Hanson*  
 29781 (TEX-LL); entrance to Pratt Ranch, *Warnock* 20377 (TEX-LL)]  
 [RDW 27825: UTEP; UCR]
- PARTHENIUM INCANUM H.B.K. Mariola  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Spellenberg, 1976; Heil &  
 Brack, 1984; Worthington, 1999a]  
 [Records: TX, Culberson Co., Williams Ranch, *Burgess* 1661 (GUMO)]  
 [RDW 27943: UTEP; RSA-POM]  
 Note: Gehlbach (1965) reports *Parthenium hysterophorus* L, from the area. The species is  
 not known to occur in New Mexico (Allred, 1996).
- PECTIS LONGIPES Gray Fetid Marigold  
 [Gehlbach, 1965]
- PECTIS PAPPOSA Harv. & Gray Limoncillo; Chinchweed; Manybristle Pectis  
 [Gehlbach, 1965]
- PERITYLE QUINQUEFLORA (Steyerm.) Shinnery Five-flowered Rockdaisy  
 [Steyermark, 1932; Hershey, 1940; Powell, 1969; Warnock, 1974; Van Devender, 1975;  
 Northington & Burgess, 1979; Fletcher, 1979, 1980a; Hayes, 1988; Knight, 1992; Worthington,  
 1999b]  
 [Records: TX, Culberson Co., lower McKittrick Canyon, 1900 m, 20 Jul 1931, *Moore &*  
*Steyermark* 3547 (Type: GH); South McKittrick Canyon, *Powell* 1246 (SRSC); NM, Eddy Co.,  
 6 mi. W of White=s City, *Powell* 1319 (SRSC); *Worthington* 28303, 28568 (UTEP; UCR);  
 upper end Dark Canyon, *Spellenberg* 10027 (NMC); *Hershey* 619 (CAS); *Powell & Sikes* 1379  
 SRSC)]
- PICARDIDENIOPSIS WOODHOUSEI (Gray) Ryd. Woodhouse Bahia  
 [*Bahia woodhousei* (Gray) Gray]  
 [Gehlbach, 1965]
- PINAROPAPPUS PARVUS Blake Dwarf Rock Lettuce  
 [Hershey & Leyendecker, 1944; Shinnery, 1951; Gehlbach, 1965; Riskind, 1974;  
 Spellenberg, 1976; Northington & Burgess, 1979; Fletcher, 1980a, 1980b; Hayes, 1988;  
 Knight, 1992; Worthington, 1999b]  
 [Records: TX, Culberson Co., N. McKittrick Canyon, *Burgess* 2063 (TTC; GUMO)]  
 [Chapline 660: US] [RDW 28597: UTEP; UCR]
- PINAROPAPPUS ROSEUS Less. White Rock Lettuce  
 [Jackson, 1960; Gehlbach, 1965]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, Walnut Canyon, 8 May 1954, *Prosil &*  
*Wells*; Carlsbad Caverns, Natl. Park, *Burgess* 4473 (TTC; GUMO); Slaughter Canyon, 19 May,  
 1951, *Ditmer* 8774; *Worthington* 28289 (UTEP)]
- POROPHYLLUM SCOPARIUM Gray Poreleaf  
 [Spellenberg & Wootten, 1999]  
 [Records: NM, Eddy Co., W end CCNP, *Carter* 867 (NMC)]

- [Spellenberg 12436: NMC][RDW 30282: UTEP]  
 PSILOSTROPHE TAGETINA (Nutt.) Greene Woolly Paperflower  
 [Wooton & Standley, 1915; Heiser, 1944; Gehlbach, 1965; Brown, 1978, mapped]  
 [Records: NM, Eddy Co., near mouth of South Fork, Guadalupe Mts., *Wilken* 1790 (PA); Otero Co., W slope Guadalupe Mts., *Beede* (NMC); TX: Culberson Co., Guadalupe Mts., *Bailey* 701 (US), 15 Aug 1916, *Young* (TEX-LL); Pine Springs, *Cory* 17611 (GH); McKittrick Canyon, *Northington* 533 (TTC, GUMO)]
- PYRRHOPAPPUS PAUCIFLORUS (D. Don) DC. False Dandelion  
 [*Pyrrhopappus multicaulis* DC.]  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess* 4582 (TTC; GUMO)]
- RATIBIDA COLUMNIFERA (Nutt.) Woot. & Standl. Mexican Hat  
 [Wooton & Standley, 1915; Gehlbach, 1965]  
 [Records: TX, Culberson Co., Bear Canyon Trail, *Burgess* 1357 (TTC; GUMO)]  
 [RDW 27819: UTEP; UCR]
- RATIBIDA TAGETES (James) Barnh. Prairie Coneflower  
 [Wooton & Standley, 1915]  
 [Records: TX, Culberson Co., McKittrick Canyon parking area, *Hougham* (GUMO)]
- SANVITALIA ABERTII Gray Abert Sanvitalia  
 [Gehlbach, 1965]  
 [RDW 27910: UTEP; RSA-POM]
- SARTWELLIA FLAVERIAE Gray Downy Sartwellia  
 [Spellenberg & Wootten, 1999]
- SENECIO FLACCIDUS Less. var. FLACCIDUS Threadleaf Groundsel  
 [*Senecio longilobus* Benth.]  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Worthington, 1999a]  
 {Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess* 517 (TTC; GUMO)}
- SOLIDAGO CANADENSIS L. var. GILVOCANESCENS Rydb. Tall Goldenrod  
 [*Solidago altissima* L. var. *gilvocanescens* Rydb.]  
 [Nesom, 1989]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess* 3705 (TTC; GUMO); North McKittrick Canyon, *Burgess* 1269 (TEX-LL)]  
 [RDW 28054: UTEP; UCR; TEX-LL]  
 Note: Nesom (1989) reports that the Guadalupe Mts. material has more narrowly lanceolate leaves, a more hairy upper leaf surface and fewer flowers in the head than in collections from elsewhere.
- SOLIDAGO MISSOURIENSIS Nutt.  
 [Ward & Spellenberg, 1988, as *Solidago canadensis* L. var. *scabra* Torr. & Gray; Nesom, 1989]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Ward* 84-029 (NMC)]
- SOLIDAGO VELUTINA DC. Fewhead Goldenrod  
 [*Solidago sparsiflora* Gray]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., N side of Bush Mtn., *Burgess* 2253 (TEX-LL); South McKittrick Canyon, *Burgess* 3710 (TEX-LL)]
- SOLIDAGO WRIGHTII Gray Wright=s Goldenrod  
 [Gehlbach, 1965; Spellenberg, 1976]  
 [RDW 27893, 27965, 28625: UTEP; UCR; TEX-LL; RSA-POM] [RDW 30161: UTEP, CHSC, UCR]
- SONCHUS ASPER (L.) Hill Spiny Sowthistle  
 [Records: TX, Culberson Co., McKittrick Canyon, *Northington* 537 (TTC; GUMO)]  
 [RDW 28280: UTEP]
- SONCHUS OLERACEUS L. Annual Sowthistle; Common Sowthistle  
 [Gehlbach, 1965]
- STEPHANOMERIA MINOR (Hook.) Nutt. Slenderleaf Skeletonplant; Wright Skeletonplant

- [*Stephanomeria tenuifolia* (Torr.) Hall; *S. wrightii* Gray]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., N. McKittrick Canyon, *Northington* 834 (TTC; GUMO); South McKittrick Canyon, *Correll* 29811 (TEX-LL), *Warnock* 10926 (TEX-LL); Pine Canyon, *Young* (TEX-LL)]  
 [RDW 28573: UTEP][Knight 2370, 2374: UNM]
- STEPHANOMERIA PAUCIFLORA (Torr.) A. Nels. Desert Straw; Skeleton Plant  
 [Van Devender, 1977]  
 [Records: TX, Culberson Co., E. Patterson Hills at gap, *Burgess* 637 (TTC; GUMO)]  
 [RDW 27926, 27977: UTEP]
- STEPHANOMERIA WRIGHTII Gray  
 [Northington & Burgess, 1979]
- SYMPHYOTRICHUM FALCATUM (Lindl.) Nesom var. COMMUTATUM (Torr. & Gray) Nesom  
 [*Aster commutatus* (Torr. & Gray) Gray var. *commutatus*]  
 [Records: TX, Culberson Co., NE corner of The Bowl, *Burgess* 1579 (TEX-LL); Choisy Spring, *Warnock* 23339 (TEX-LL)]
- SYMPHYOTRICHUM LAEVE (L.) Löve & Löve var. GEYERI (Gray) Nesom Smooth Aster  
 [*Aster laevis* L. var. *guadalupensis* A. G. Jones]  
 [Gehlbach, 1965; Jones, 1981; Spellenberg *et al.*, 1986; Semple, Chmielewski & Lane, 1989; Nesom, 1993]  
 [Records: TX, Culberson Co., GMNP, *Semple & Heard* 8183 (WAT)] [RDW 28615: UTEP]  
 [RDW 30201: UCR]  
 var. LAEVE  
 [RDW 28677: UTEP]  
 Note: McKittrick Canyon collections at TEX-LL (*Correll & Correll* 26040, *Warnock* 23371) are not identified to variety.
- SYMPHYOTRICHUM LANCEOLATUM (Willd.) Nesom var. HESPERIUM (Gray) Nesom  
 [*Aster hesperius* Gray]  
 [Riskind, 1974; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Hougham* (GUMO)]
- SYMPHYOTRICHUM SUBULATUM (Michx.) Nesom Hierba del Marrano  
 [*Aster subulatus* Michx.]  
 [RDW 28038: UTEP; UCR; TEX-LL]
- TARAXACUM OFFICINALE Weber Dandelion  
 [Gehlbach, 1965]  
 [Records: NM, Eddy Co., Whites City, *Worthington* 32740 (UTEP)]
- TETRANEURIS ACAULIS (Pursh) Greene Stemless Actinea  
 [*Hymenoxys acaulis* (Pursh) Parker]  
 [Gehlbach, 1965; Warnock, 1974]
- TETRANEURIS LINEARIFOLIA (Hook.) Greene var. LINEARIFOLIA Fineleaf Actinea  
 [*Hymenoxys linearifolia* Hook.]  
 [Gehlbach, 1965; Bierner & Turner, 2003]  
 [Records: TX, Culberson Co., N. Fork McKittrick Canyon, *Correll & Johnston* 18476 (TEX-LL); NM, Eddy Co., North McKittrick Canyon, *Patterson* 561 (TEX-LL)]  
 [RDW 28606: UTEP; UCR][RDW 30131: UTEP, SRSC]
- TETRANEURIS SCAPOSA (DC.) Greene var. SCAPOSA Clustered Bitterweed  
 [*Hymenoxys scaposa* (DC.) Parker; *T. linearis* (Nutt.) Greene]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Fletcher, 1980a, 1080b; Bierner & Turner, 2003]  
 [Records: NM, Eddy Co., sitting Bull Falls Rec. Area, *Worthington* 27897 (TEX-LL; UNM), *Ferguson* 301 (UTEP; UCR); TX, Culberson Co., 3 mi. N of Pine Springs, *Correll & Rollins* 23883 (TEX-LL)]  
 [UTEF: Lambert, 868] [RDW 27897: UTEP; TEX-LL; UNM]
- THELESPERMA LONGIPES Gray Longstalk Greenthread  
 [Wooton & Standley, 1915; Gehlbach, 1965]  
 [Records: TX, Culberson Co., near Guadalupe Peak, *Burgess* 580 (TTC; GUMO); 5 mi. S of Sitting

- Bull Falls, *Higgins 6737* (NMC)]  
 [RDW 27992: UTEP; UCR][RDW 30213: UTEP, UCR]
- THELESPERMA MEGAPOTAMICUM (Spreng.) O. Ktze. Colorado Greenthread  
 [Gehlbach, 1965; Van Devender, 1975; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess 542* (TTC; GUMO); 4 mi. SW of Nickle  
 Creek, (TEX-LL); NM, Eddy Co., Queen, *Wooton* (NMC)]  
 [RDW 27924: UTEP; RSA-POM]
- THYMOPHYLLA ACEROSA (DC.) Strother Prickleleaf Dogweed  
 [*Dyssodia acerosa* DC.]  
 [Records: NM, Eddy Co., CCNP, *Sutherland 6925* (NMC); 1.6 mi. NE of Whites City, *Holmgren  
 6948* (NMC, NY)][Gehlbach, 1965; Spellenberg & Wootten, 1999]  
 [RDW 27920: UTEP][Spellenberg 12484: NMC]
- THYMOPHYLLA PENTACHAETA (DC.) Small var. HARTWEGII (Gray) Strother Parralena  
 [*Dyssodia pentachaeta* (DC.) Robins.]  
 [Gehlbach, 1965; Van Devender, 1975, 1977; Worthington, 1999a; Spellenberg &  
 Wootten, 1999]  
 [Records: TX, Culberson Co., McKittrick Canyon Ranger Station, *Gehlbach* (GUMO); 3 mi. N of  
 Pine Springs, *Correll & Rollins 23892-B* (TEX-LL); NM, Eddy Co., CCNP, *Sutherland 6938* (NMC);  
 5 mi. S of Sitting Bull Falls, *Higgins 6734* (NMC)]  
 [UTEP: Ferguson, 310] [RDW 27921: UTEP][Spellenberg 12475: NMC; NY][Spellenberg  
 12483: BRIT]  
 Note: The CCNP specimen is identified as var. *belenidium* (DC.) Strother.
- THYMOPHYLLA SETIFOLIA Lag. var. RADIATA (Gray) Strother Gregg Dogweed  
 [*Dyssodia setifolia* (Lag.) Robins.; *Thymnophylla greggii* Gray]  
 [Gehlbach, 1965; Strother, 1969]  
 [UTEP: Lambert, 886] [RDW 28030: UTEP; UCR; TEX-LL; RSA-POM]  
 [Records: NM, Eddy Co.: Dark Canyon, 19 Oct 1939, *Barneby 2596* (NY); Carlsbad Caverns,  
 24 May 1931, *Nelson 11416* (GH; UC); Guadalupe Mts., *Hersshey* (NMC); Walnut Canyon in CCNP,  
*Sutherland 6965* (NMC); TX, Culberson Co., Guadalupe Mts., 21 Jul 1943,  
*Waterfall 5258* (ARIZ; CAS; GH; OKL; BRIT)]
- TOWNSENDIA EXSCAPA (Richards.) Porter Easter Daisy  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Burgess 1795* (TTC; GUMO)]  
 [Sivinski 4698: UNM] [RDW 28924: UTEP, UNM]
- TRAGOPOGON DUBIUS Scop.  
 [Records: TX, Culberson Co., between Pine Top and Bush Mtn., 8300 ft., *Hougham* (GUMO)]
- TRAGOPOGON PORRIFOLIUS L.  
 [Records: .8 km E top Bush Mtn., 8450 ft., *Burgess 4294* (TTC; GUMO)]
- VERBESINA ENCELIOIDES (Cav.) Gray Cowpen Daisy  
 [Gehlbach, 1965; Van Devender, 1975, 1977]  
 [Records: TX, Culberson Co., McKittrick Canyon Ranger Station, *Sanchez* (GUMO)]  
 [RDW 27900: UTEP]
- VERBESINA OREOPHILA Woot. & Standl.  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 12007* (TEX-LL)]  
 [RDW 28644: UTEP; SRSC]
- VIGUIERA CORDIFOLIA Gray Heartleaf Goldeneye  
 [Blake, 1918; Gehlbach, 1965]  
 [Records: TX: Culberson Co., plains near base of Guadalupe Mts., Oct 1849, *Wright  
 332* (Types of var. *genuina*: (BM; GH; K; US); TX, Culberson Co., Guadalupe Mts.,  
*Havard 77* (BM); Worthington 28599 (UTEP)]
- VIGUIERA DENTATA (Cav.) Spreng. Sunflower Goldeneye  
 [Gehlbach, 1965; Warnock, 1974]  
 [RDW 28036: UTEP; TEX-LL]
- VIGUIERA LONGIFOLIA (Robins. & Greenm.) Blake Longleaf Goldeneye  
 [*Heliomeris annua* (Jones) Cockll.]



- [Gehlbach, 1965]  
 VIGUIERA MULTIFLORA (Nutt.) Blake  
 [Northington & Burgess, 1979]  
 [Records: ridgetop 2.3 km S and 0.6 km e top of Lost Peak (Northington & Burgess, 1979)]
- VIGUIERA STENOLOBA Blake Skeleton Goldeneye  
 [*Gymnoloma tenuifolia* (Gray) Benth. & Hook.; *Heliomeris tenuifolia* Gray]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977;  
 Fletcher, 1980a; Van Devender, 1980, Holocene remains; Worthington, 1999a; Spellenberg  
 & Wooten, 1999]  
 [Records: TX, Culberson Co., S. Of Goat Spring, *Burgess* 1633 (TTC; GUMO); NM, Eddy Co.,  
 CCNP near sewage ponds, *Geluso* 45 (NMC); Guadalupe Mts., *Hershey* 2650 (NMC); Otero Co.,  
 W side of the Guadalupe Mts., *Beede* (NMC)]  
 [RDW 27931: UTEP; RSA-POM]
- XANTHIUM SPINOSUM L. Spiny Cocklebur  
 [RDW 28178: UTEP]
- XANTHIUM STRUMARIUM L. Cocklebur  
 [Warnock, 1974]
- ZINNIA ACEROSA (DC.) Gray Spinyleaf Zinnia  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Smith Spring Trail, *Hougham* (GUMO)]
- ZINNIA GRANDIFLORA Nutt. Plains Zinnia  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1977; Worthington, 1999a]  
 [Records: TX, Culberson Co., McKittrick Canyon Ranger Station, *Gehlbach* (GUMO); NM, Eddy  
 Co., Queen, *Wooton* (NMC) ]  
 [UTEP: Ferguson, 298.5] [RDW 27683: UTEP]

## BERBERIDACEAE

## Barberry Family

- BERBERIS HAEMATOCARPA Woot. Red Barberry; Red Hollygrape  
 [*Mahonia haematocarpa* (Woot.) Fedde]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Worthington, 1999a; Sivinski, 1999]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Northington* 333 (TTC; GUMO); above Bear  
 Spring, *Correll & Little* 27163 (TEX-LL)]  
 [RDW 27696: UTEP]
- BERBERIS REPENS Lindl. Creeping Barberry  
 [*Mahonia repens* (Lindl.) G. Don  
 [Riskind, 1974; Northington & Burgess, 1979; Fletcher, 1980a]  
 [Records: TX, Culberson Co., ridge N of Pine Springs Canyon, *Burgess* 1857 (TTC; GUMO); N.  
 McKittrick Canyon, *McVaugh* 7410 (TEX-LL); McKittrick Canyon, *Warnock* 21509 (TEX-LL);  
 Head of Pine Canyon, *Young* (TEX-LL)]  
 [RDW 28595: UTEP] [RDW 28841: UTEP]
- BERBERIS TRIFOLIATA Moric. Agarito  
 [*Mahonia trifoliata* (Moric.) Fedde]  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980,  
 Holocene remains]  
 [Records: TX, Culberson Co., near Williams Ranch, *Burgess* 609 (TTC; GUMO)]  
 [RDW 27952: UTEP]

## BETULACEAE

## Birch Family

- OSTRYA KNOWLTONII Cov. Western Hop-hornbean  
 [Wooton & Standley, 1915; Hershey, 1940; Gehlbach, 1965; Northington & Burgess, 1979;  
 Fletcher, 1979, 1980a; 1980b; Knight, 1992]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO); Guadalupe Peak,  
*Burgess* 1077 (TTC; GUMO; Pipe Canyon above Pine Springs, *McVaugh* 8151 (TEX-LL)]

[RDW 28616: UTEP; UCR]

## BIGNONIACEAE

## Catalpa Family; Bignonia Family

- CHILOPSIS LINEARIS (Cav.) Sweet ssp. LINEARIS Desert Willow; Mimbre  
[Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Heil & Brack, 1985; Henrickson, 1985; Baker, 1999]  
[Records: TX, Culberson Co., base of Signal Peak, *Lee 69* (TEX-LL)  
[*Worthington 27968* (UTEP)]

## BORAGINACEAE

## Borage Family

- CRYPTANTHA ALBIDA (H.B.K.) I. M. Johnst. Dentnut Cryptantha  
[Gehlbach, 1965]  
[Records: NM, Eddy Co., Queen, *Wooton* (NMC)]
- CRYPTANTHA CRASSISEPALA (Torr. & Gray) Greene Thicksepal Cryptantha  
[Records: TX, Culberson Co., 4.2 km E Lewis Well, *Burgess 3137* (TTC; GUMO)]  
[*Wooton & Standley, 1915*]
- CRYPTANTHA MEXICANA (Brandege) I. M. Johnst. Mexican Cryptantha  
[Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess 4447* (TTC; GUMO); 5 mi. S of Sitting Bull Falls, *Higgins 6726* (NMC); CCNP near sewage ponds, *Sutherland 6928* (NMC)]  
[RDW 28282: UTEP]
- CRYPTANTHA MINIMA Rydb. Small Cryptantha  
[Records: NM, Eddy Co., Walnut Canyon, *Burgess 4542* (TTC; GUMO); Guadalupe Canyon, *Correll & Johnston 22005* (TEX-LL)]  
[Sivinski 4705: UNM]
- CRYPTANTHA OBLATA (M. E. Jones) Payson Rough Cryptantha  
[Sivinski 4275: UNM]
- CRYPTANTHA PALMERI (Gray) Payson Cory Cryptantha  
[*Cryptantha coryi* I. M. Johnst.]  
[*Burgess & Northington, 1981*]  
Note: A single collection is referred to this species by Burgess and Northington (1981) from near the sewage lagoon and escarpment in Carlsbad Caverns National Park. The collection needs to be reviewed.
- CRYPTANTHA PAYSONII (MacBride) I. M. Johnst. Payson=s Cryptantha  
[Johnston, 1961; Higgins, 1971, mapped]  
[Records: TX, Culberson Co., head of Guadalupe Pass, 16 May 1959, *Correll & Johnston 22003* (TEX-LL); TX, Culberson Co., 1 mi. W of Pine Spring, 6500 ft., 30 May 1958, *Warnock & Johnston 16299* (SRSC); *Worthington 28277* (UTEP; UNM); *Talbot 960* (GH)]  
Note: It is hard to place the Talbot collection from a Guadalupe Rim, near Orange ...@
- HACKELIA BESSEYI (Rydb.) Gentry  
[*Hackelia grisea* (Woot. & Standl.) I. M. Johnst.]  
[Gentry & Carr, 1976; Northington & Burgess, 1979]  
[Records: TX, Culberson Co., vic. Frijole Post Office, *Grassl 208* (MICH); Pine Canyon, *Standley 40601* (US); upper McKittrick Canyon, *Moore & Steyermark 3583* (MO); Pine Springs Canyon, *Burgess 4242* (TTC; GUMO); Devil's Den Canyon, *Northington 862* (UCR)]
- ?HELIOTROPIUM TORREYI I. M. Johnst.  
[*Heliotropium angustifolium* Torr.]  
[Johnston, 1937]  
[Records: Guadalupe Mts., 1882, *Havard* (GH)]  
Note: This record seems unlikely but is included for any merit it might have.
- LAPPULA REDOWSKII (Hornem.) Greene Flatspine Stickseed  
[Gehlbach, 1965; Van Devender, 1980, Holocene remains]  
[RDW 28126: UTEP]

- LITHOSPERMUM COBRENSE Greene Mountain Gromwell  
[Gehlbach, 1965]
- LITHOSPERMUM INCISUM Lehm. Narrowleaf Gromwell; Puccoon  
[Gehlbach, 1965]  
[Records: NM, Eddy Co., Rattlesnake Springs, *Sutherland 6956* (NMC); near Whites City at entrance to CCNP, *Helmkamp 70-3* (UCR)]  
[Sivinski 4268: UNM, UTEP]
- LITHOSPERMUM MIRABILE J. K. Small  
[Records: TX, Culberson Co., N. Fork McKittrick Canyon, *Correll & Johnston 18487* (TEX-LL)]
- LITHOSPERMUM MULTIFLORUM Torr. *ex* Gray  
[Northington & Burgess, 1979]  
[Records: TX, Culberson Co., 0.5 mi. E top Guadalupe Peak, *Burgess 1044* (TTC; GUMO); Smith Canyon, *McVaugh 7422* (TEX-LL)]
- LITHOSPERMUM PARKSII I. M. Johnst.  
[Riskind, 1974; Northington & Burgess, 1979]  
[Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Burgess 469A* (TTC; GUMO); ridge at top of Bear Canyon, *Burgess 453* (TTC; GUMO)]
- LITHOSPERMUM VIRIDE Greene Green Gromwell  
[Wooton & Standley, 1915; Northington & Burgess, 1979]  
[Records: TX, Culberson Co., McKittrick Canyon, *Northington 467* (UCR), 838 (TTC; GUMO); Bell Canyon, *Burgess 1384* (UCR); NM, Eddy Co., Queen, *Wooton* (NMC); Guadalupe Mts., *Hershey* (NMC)]
- TIQUILIA CANESCENS (DC.) A. Richardson Gray Coldenia; Spreading Coldenia  
[*Stegnocarpus canescens* (DC.) Torr.; *Coldenia canescens* DC.]  
[Wooton & Standley, 1915; Gehlbach, 1965; Richardson, 1977]  
[Records: NM, Eddy Co., 1.6 mi. NE Whites City, *Holmgren 6953* (NMC, NY); 5 mi. S of Sitting Bull Falls, *Higgins 6746* (NMC)]
- TIQUILIA GREGGII (torr.) A. Richards.  
[Records: TX, Culberson Co., E Patterson Hills at gap, *Northington 639* (TTC; GUMO)]
- TIQUILIA HISPIDISSIMA (Torr.) A. Richardson Rough Coldenia  
[*Eddya hispidissima* Torr.; *Coldenia hispidissima* (Torr.) Gray]  
[Wooton & Standley, 1915; Richardson, 1977; Spellenberg & Wooten, 1999]  
Records: NM, Eddy Co., Hess Ranch, *Wooton* (NMC)]  
[Sivinski 4429: UNM][Spellenberg 12502: NMC][RDW 30283: UTEP]

## BRASSICACEAE (CRUCIFERAE)

## Mustard Family

- ARABIS FENDLERI (Wats.) Greene Fendler Rockcress  
[RDW 28144: UTEP]
- ERYSIMUM CAPITATUM (Dougl. *ex* Hook.) Greene Plains Erysimum  
[Records: TX, Culberson Co., McKittrick Ridge, *Burgess 1301* (TTC; GUMO)]  
[RDW 28291: UTEP]
- DESCURAINIA INCISA (Engelm. *ex* Gray) Britt. ssp. FILIPES (Gray) Rollins Mountain Tansymustard  
[*Descurainia incana* (Bernh. *ex* Fisch. & C. A. Mey.) Dorn ssp. *incisa* (Engelm.) Kartesz & Gandhi]  
[RDW 30126: UTEP]
- DESCURAINIA PINNATA (Walt.) Britt. ssp. GLABRA (Woot. & Standl.) Pinnate Tansymustard  
Detling  
[Detling, 1939; Gehlbach, 1965]  
[Records: NM, Eddy Co., Carlsbad Caverns, *Convis 44* (RM)] [RDW 28123: UTEP]  
Note: Burgess & Northington (1981) report vars. *osmarium* and *ochroleuca* in the region.
- DIMORPHOCARPA WISLIZENI (Engelm.) Rollins  
[*Dithyrea wislizeni* Engelm.]

- [Records: TX, Culberson Co., Williams Ranch Rd., *Burgess* 2984 (TTC; GUMO); Pine Springs Canyon, *Correll & Johnston* 24269 (TEX-LL)]
- DRABA CUNEIFOLIA Torr. & Gray Whitelow Grass; Wedgeleaf Draba  
 [Gehlbach, 1965]  
 [RDW 28127: UTEP]
- ERYSIMUM CAPITATUM (Dougl. ex Hook.) Greene var. CAPITATUM  
 [Records: TX, Culberson Co., Pine Springs, *Young* (TEX-LL); S. McKittrick Canyon, *Warnock* 12071 (TEX-LL)]
- HALIMOLOBOS DIFFUSA (Gray) Schulz Spreading Fissurewort  
 [Rollins, 1943]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Havard* 211 (GH); near top Bush Mtn., *Burgess* 4377 (TTC; GUMO); near Bear Canyon Narrows, *Hougham* (GUMO); Pine Springs Canyon, *Young* (TEX-LL), *Correll & Correll* 26097 (TEX-LL)]  
 [RDW 28565: UTEP; UCR]
- LEPIDIUM ALYSSOIDES Gray var. ANGUSTIFOLIUM (Hitchc.) Rollins Mountain Pepperweed  
 [*Lepidium montanum* Nutt. var. *angustifolium* Hitchc.]  
 [Hitchcock, 1936; Gehlbach, 1965; Warnock, 1974]  
 [Records: TX, Culberson Co., SE base of Guadalupe Peak, *Marks & Marks* 1294 (TEX-LL); NM, Eddy Co., Carlsbad Caverns, *Nelson* 11364 (RM and U. Montana); CCNP near sewage ponds, *Sutherland* 6924 (NMC)]
- LEPIDIUM LASIOCARPUM Nutt. var. WRIGHTII (Gray) C. L. Hitchc. Sand Peppergrass  
 [Hitchcock, 1936; Gehlbach, 1965; Van Devender, 1975]  
 [Records: NM, Eddy Co., Carlsbad Caverns, *Nelson* 11392 (UC; MO; RM; S), *Burgess* 4503 (TTC; GUMO)]  
 [*Worthington* 28129 (UTEP); *Nelson* (UC; MO; RM; GH)]
- LEPIDIUM OBLONGUM Small Veiny Pepperweed  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Bone Canyon, *Burgess* 2990 (TTC; GUMO); NM, Eddy Co., Dark Canyon, *R. S. Peterson* 97-10 (NMC)]
- LESQUERELLA FENDLERI (Gray) S. Wats. Fendler Bladderpod  
 [Wootton & Standley, 1915; Payson, 1921; Gehlbach, 1965; *Worthington*, 1999a; *Sivinski*, 1999]  
 [Records: TX, Culberson Co., McKittrick Canyon (GUMO); grade below Pine Station, *Jones* (UCR); Guadalupe Canyon, *Correll & Johnston* 21986 (TEX-LL); *Warnock* 6329 (TEX-LL)]  
 [*Lambert* 867 (UTEP); *Worthington* 28146.5, (UTEP); NM, Eddy Co., Queen, 1 Aug 1909, *Wootton* (US); S of CCNP, *Sutherland* 6995 (NMC);]
- LESQUERELLA GORDONII (Gray) S. Wats. Gordon Bladderpod  
 [Gehlbach, 1965]  
 [RDW 28273: UTEP]
- LESQUERELLA PURPUREA (Gray) S. Wats. Rose Bladderpod  
 [Gehlbach, 1965]  
 [Records; TX, Culberson Co., Pine Canyon, *Young* (TEX-LL)]
- LESQUERELLA VALIDA Greene  
 [Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., Lost Peak-Bowl Trail, *Burgess* 3362 (TEX-LL); S. McKittrick Canyon, *Warnock* 18479 (TEX-LL)]
- NERISYRENIA CAMPORUM (Gray) Greene Mesa Greggia  
 [Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., foothills of Guadalupe Mts., *Young* (TEX-LL)]  
 [Spellenberg 12442: NMC]
- NERISYRENIA LINEARIFOLIUM (S. Wats.) Greene Narrowleaf Greggia  
 [Gehlbach, 1965]  
 [Records: NM, Eddy Co., mouth of Slaughter Canyon (T25Sm R24E, S. 17, NE 1/4), *Burgess*

- 4488 (TTC; GUMO)  
[RDW 30281: UTEP]
- PENNELLIA LONGIFOLIA (Gray) Niewl. Longleaf Mock Thelypody  
[Gehlbach, 1965]
- PENNELLIA MICRANTHA (Gray) Nieuwl. Mountain Mock Thelypody  
[Rollins, 1980]  
[Records: TX, Culberson Co., Pine Canyon, 15-17 Aug 1974, *Standley* 40609 (US);  
near Frijole P. O., 10 Aug 1930, *Grasel* 187 (MICH)] [RDW 30127: UTEP]
- RORIPPA NASTURTIUM-AQUATICUM (L.) Schinz. & Thell. Watercress  
[Gehlbach, 1965; Baker, 1999]  
[Records: TX, Culberson Co., McKittrick Canyon, *H. Correll* (GUMO; Baylor), *Hougham*  
(GUMO), *Lind* (TEX-LL), *Correll & Ogden* 25052 (TEX-LL)]  
[RDW 28052: UTEP]
- SCHOENOCRAMBE LINEARIFOLIA (Gray) Rollins Mountain Mustard  
[*Hesperidanthus linearifolius* (Gray) Rydb.; *Sisymbrium linearifolium* (Gray) Payson]  
[Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1977; Rollins, 1982]  
[Records: TX, Culberson Co., Pine Spring Canyon, 7 Sep 1961, *Correll & Johnston* 24783  
(GH); SE slope of Pine Top, *Correll* 13890 (TEX-LL); McKittrick Ranger Station, *Gehlbach*  
(GUMO)]  
[RDW 27864: UTEP]
- SELENIA DISSECTA Torr. & Gray Texas Selenia  
[RDW 28283: UTEP]
- ?SIBARA GRISEA Rollins Marble Canyon Winged Rockcress  
[Rollins, 1982, 1993]  
[Records: TX, Culberson Co., Bone Canyon .2 km below Bone Spring, *Burgess* 3586 (TEX-LL)]  
Note: A collection from Pine Canyon in the Texas part of the Guadalupe Mts. is most likely  
a new species (Rollins, 1993).
- SISYMBRIUM IRIO L. London Rocket  
[RDW 28136: UTEP]
- STREPTANTHUS CARINATUS Wright ssp. CARINATUS Lyerleaf Twistflower  
[Gehlbach, 1965; Hayes, 1988]  
[UTEP: Lambert, 872]
- STREPTANTHUS SPARSIFLORUS Rollins Guadalupe Twist-flower  
[Riskind, 1974; Northington & Burgess, 1979; Fletcher, 1980b; Spellenberg *et al.*,  
1986; Rollins, 1993]  
[Records: NM, Eddy Co., Yucca Canyon Trail, *Burgess* 4500 (TTC; GUMO); 5 mi. S of Sitting Bull  
Falls, *Higgins* 6736 (NMC); Guadalupe Mts., *Hershey* 2560 (NMC); TX, Culberson Co., Devil's Den  
(Northington & Burgess, 1979); near top of Pine top, *Webster* 4595 (SRSC); upper Smith Canyon  
(Northington & Burgess, 1979); Choza Spring, *Powell* 5424 (TEX-LL)]  
[RDW 28143: UTEP][Fletcher 3807, 3827; Knight 1966: UNM]
- THELYPODIUM WRIGHTII Gray ssp. WRIGHTII Wright Thelypodium  
[Van Devender, 1977]  
[Records: TX, Culberson Co., above Smith Spring, *Hougham* (GUMO); Bell Canyon,  
*Burgess* 1388 (UCR)]
- THLASPI MONTANUM L. Var. FENDLERI (Gray) Holmgren  
[Records: TX, Culberson Co., The Bowl, *Northington* 438 (TTC; GUMO)]

## CACTACEAE

## Cactus Family

- ?CORYPHANTHA DASYACANTHA (Engelm.) Orcutt.  
[Northington & Burgess, 1979]  
Note: Until specimens are reviewed this taxon may represent sightings of what was later  
described as *Escobaria guadalupensis*]
- CORYPHANTHA MACROMERIS Britt. & Rose Nipple Behive Cactus; Long Mamma; Short-nipple Cactus  
var. MACROMERIS

- [Northington & Burgess, 1979; Benson, 1982; Heil & Brack, 1985]  
 CORYPHANTHA SCHEERI (Kunz.) L. Benson var. SCHEERI Mulee  
 [Northington & Burgess, 1979; Heil & Brack, 1985]  
 [Records: NM, Eddy Co., photographic voucher for Whites City area, *Worthington s.n.* (UTEP)]  
 Note: Benson (1982) mapped vars. *scheeri* and *valida* from near Carlsbad.
- CORYPHANTHA SNEEDII (Britt. & Rose) Berger  
 var. SNEEDII Sneed=s Pincushion Cactus  
 [Heil & Brack, 1984, 1985]  
 var. LEEI (Rose ex Bödecker) L. Benson Lee=s Pincushion Cactus  
 [*Escobaria leei* Böd.; *Mammillaria leei* (Böd.) Weniger]  
 [Castetter & Pierce, 1966; Burgess & Northington, 1981; Benson, 1969, 1982; Heil & Brack, 1984, 1985]  
 [NM, Eddy Co., Rattlesnake Canyon, 1924, 5500 ft., *Lee* (Lectotype: US); Rattlesnake and Slaughter Canyons, 4200-4800 ft., *Castetter & Pierce* 2397-2417 (UNM)] [Castetter 1380 (UNM; RSA-POM)]
- CORYPHANTHA STROBILIFORMIS (Poselger) Moran var. STROBILIFORMIS Cob Cactus  
 [*Escobaria tuberculosa* (Engelm.) Britt. & Rose]  
 [Braunton, 1933; Benson, 1982; Heil & Brack, 1984, 1985; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., Bone Canyon, *Burgess 1627* (TEX-LL)]  
 [RDW 27918A: UTEP][Spellenberg 12482: NMC]
- CORYPHANTHA VIVIPARA (Nutt.) Britt. & Rose var. RADIOSA (Engelm.) Backeb. Spiny-star Cactus  
 [*Escobaria vivipara* (Nutt.) Buxb. var. *radiosa* (Engelm.) D. R. Hunt]  
 [Benson, 1982; Heil & Brack, 1984, 1985, as var. *neomexicana*; Sivinski, 1999; Worthington, 1999a]  
 [RDW 27918B]  
 Note: Benson (1982) interprets var. *radiosa* as including var. *neomexicana*.
- CYLINDROPUNTIA IMBRICATA (Haw.) F. M. Knuth Tree Cholla  
 [*Opuntia arborescens* Engelm. In Wisliz.; *Opuntia imbricata* (Haw.) DC.]  
 [Wootton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977;  
 Van Devender, 1980, Holocene remains; Benson, 1982; Heil & Brack, 1984, 1985; Worthington, 1999a; Sivinski, 1999; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., Williams Ranch, *Burgess 926* (TTC; GUMO)]  
 [RDW 28235: UTEP, ASU]
- CYLINDROPUNTIA KLEINIAE (DC.) F. Knuth Klein Cholla; Candle Cholla  
 [*Opuntia kleiniae* DC.]  
 [Burgess & Northington, 1981; Benson, 1982; Heil & Brack, 1985]  
 [RDW 28271: UTEP]
- CYLINDROPUNTIA LEPTOCAULIS (DC.) F. M. Knuth Christman Cactus; Pencil Cholla; Tasajillo  
 [*Opuntia leptocaulis* DC.]  
 [Wootton & Standley, 1915; Gehlbach, 1965; Benson, 1982; Heil & Brack, 1985]
- ECHINOCACTUS HORIZONTHALONIUS Lem. var. HORIZONTHALONIUS Devil=s Head; Eagles Claw  
 [Wootton & Standley, 1915; Gehlbach, 1965; Van Devender, 1980; Benson, 1982;  
 Heil & Brack, 1984, 1985; Spellenberg & Wootten, 1999]  
 [RDW 27919: UTEP]
- ECHINOCACTUS TEXENSIS Höpf. Devils Pincushion; Horse Crippler  
 [Gehlbach, 1965; Van Devender, 1980, Holocene remains; Heil & Brack, 1985]  
 Note: Benson (1982) mapped records no closer than Carlsbad.
- ECHINOCEREUS CHLORANTHUS Engelm. var. CHLORANTHUS Brown-flowered Pitaya  
 [Wootton & Standley, 1915; Benson, 1982; Heil & Brack, 1985; Sivinski, 1999;  
 Worthington, 1999a]
- ECHINOCEREUS COCCINEUS Engelm. GURNEYI (Benson) Heil & Brack Claret-cup  
 [*Echinocereus triglochidiatus* Engelm. var. *gurneyi* Benson]  
 [Gehlbach, 1965; Van Devender, 1975, 1977; Fletcher, 1980a; Benson, 1982; Heil & Brack, 1984, 1985]  
 [Glowenke 10674: Upa][RDW 28151: UTEP; ASU]  
 Note: Benson (1982) mapped vars. *gonacanthus* and *melanacanthus* in the area.

- ECHINOCEREUS DASYACANTHUS Engelm. Texas Rainbow  
 [*Echinocereus pectinatus* (Scheidw.) Engelm. var. *neomexicanus* (Coulter) L. Benson]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1975, 1977; Benson, 1968, 1982;  
 Heil & Brack, 1984, 1985; Spellenberg & Wootten, 1999]  
 [Spellenberg 12486: NMC]
- ECHINOCEREUS ENNEACANTHUS Engelm. var. STRAMINEUS (Engelm.) L. Benson Strawberry Pitaya  
 [Braunton, 1933; Gehlbach, 1965; Moore, 1967; Warnock, 1974, Van Devender, 1975;  
 Benson, 1982; Heil & Brack, 1984, 1985]
- ECHINOCEREUS FENDLERI (Engelm.) Engelm. var. KUENZLERI (C., P. & S.) Kuenzler Cactus  
 L. Benson  
 [Sivinski, 1999]  
 [RDW photographic voucher: UTEP; ASU][Sivinski 3320: UNM]
- ECHINOCEREUS X LLOYDII Britt. & Rose Lloyd=s Hedgehog Cactus  
 [Heil & Brack, 1984, 1985; Powell *et al.*, 1982]  
 Note: Powell *et al.* (1982) have shown that Lloyd=s Hedgehog Cactus is the result of hybridization  
 between *E. coccineus* and *E. dasyacanthus*.
- ECHINOCEREUS PECTINATUS (Scheidw.) Engelm. Var. RIGIDISSIMUS Engelm.)  
 Engelm. ex Rmpl.  
 [Benson, 1968]  
 [Records: NM, Eddy Co.: Rattlesnake Canyon, *Castetter* 1368 (UNM); Guadalupe Ridge,  
 5 Oct 1904, *French* 5 (UNM)]
- ECHINOCEREUS VIRIDIFLORUS Engelm. var. CYLINDRICUS (Engelm.) Engelm ex Green Pitaya  
 Rümpler  
 [Weniger, 1969; Benson, 1982; Heil & Brack, 1984, 1985]  
 [Records: NM, Eddy Co., 1.5 mi. ENE Dark Canyon Lookout, *Ferguson* 145 (UTEP; UCR)]  
 [RDW 28153: UTEP; ASU]
- EPITHELANTHA MICROMERIS (Engelm.) Weber Common Button Cactus  
 [*Mammillaria micromeris* Engelm.]  
 [Wooton & Standley, 1915; Braunton, 1933; Gehlbach, 1965; Northington & Burgess, 1979;  
 Fletcher, 1980b; Van Devender, 1980; Benson, 1982; Heil & Brack, 1984, 1985]  
 [RDW 28152: UTEP; ASU]
- ESCOBARIA GUADALUPENSIS S. Brack & K. Heil Guadalupe Mountain Foxtail Cactus  
 [Fletcher, 1980b]  
 [Records: NM, Eddy Co., 1.5 mi. ENE Dark Canyon Lookout Tower, *Ferguson* 144 (UTEP; UCR)]  
 Note: Some consider this to be a synonym of *Coryphantha sneedii* (Britt. & Rose) Berger  
 var. *sneedii* (Jones, Wipff & Montgomery, 1997).
- GRUSONIA GRAHAMII (Engelm.) H. Robinson  
 [*Opuntia grahamii* Engelm.]  
 [Northington & Burgess, 1979, as *Opuntia schottii* Engelm.]  
 [Records: TX, Culberson Co., 1.5 km S. And 1.9 km W top Cutoff Mtn., 4000 ft., *Burgess*  
 2765B (TTC; GUMO)]
- MAMMILLARIA HEYDERI Muhelnpf. var. HEYDERI Flattened Mammillaria; Little Nipple Cactus  
 [Gehlbach, 1965; BENSON, 1982; Heil & Brack, 1985; Sivinski, 1999]  
 var. MEIACANTHA (Engelm.) Benson  
 [Wooton & Standley, 1915; Benson, 1982, mapped near the area; Heil & Brack, 1985]
- MAMMILLARIA LASIACANTHA Engelm. Fuzzy Cactus; Lace-spine Cactus; Golf Ball Pincushion  
 [Wooton & Standley, 1915; Northington & Burgess, 1979; Benson, 1982; Heil & Brack, 1985]
- OPUNTIA X DILLEI Griffiths  
 [Benson, 1982]  
 Note: Benson (1982) maps localities for this hybrid in the New Mexico part of the Guadalupe Mts.  
 The parent species are *O. ficus-indica* and a variety of *O. phaeacantha* in his taxonomic system  
 (*major* or *discata*). Allred (2001) shows this as a synonym of *O. engelmannii*.
- OPUNTIA ENGELMANNII Engelm. var. ENGELMANNII Engelmann=s Prickly Pear  
 [*Opuntia phaeacantha* Engelm. var. *discata* Engelm.]

- [Gehlbach, 1965; Spellenberg, 1976; Benson, 1982; Heil & Brack, 1984, 1985]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Northington 519* (TEX-LL); ridge S of Smith Spring, *Burgess 1972* (TEX-LL)][RDW 28336: UTEP, ASU]  
 var. LINDHEIMERI (Engelm.) Parfitt & Pinkava Texas Prickly Pear  
 [Wooton & Standley, 1915; Warnock, 1974; Benson 1982, mapped]  
 [Pierce 1025a: UNM] [Castetter 2215: UNM]
- OPUNTIA MACROCENTRA Engelm. var. MACROCENTRA Purple Prickly Pear  
 [*Opuntia violacea* Engelm. var. *macrocentra* (Engelm.) Benson]  
 [Gehlbach, 1965; Heil & Brack, 1985; Spellenberg & Wootten, 1999]  
 [Spellenberg 12487, 12488: NMC]
- OPUNTIA MACRORHIZA Engelm. Mexicanrose Pricklypear  
 var. MACRORHIZA  
 [Heil & Brack, 1984, 1985]  
 var. POTTSII (Salm-Dyck) Benson  
 [*Opuntia filipendula* Engelm.]  
 [Wooton & Standley, 1915; Benson, 1982, mapped]
- OPUNTIA PHAEACANTHA Engelm. Brownspine Prickly Pear  
 var. MAJOR Engelm.  
 [Gehlbach, 1965; Warnock, 1974, not to variety; Van Devender, 1975, 1977, not to variety;  
 Benson, 1982, mapped; Heil & Brack, 1984, 1985; Sivinski, 1999]  
 var. PHAEACANTHA New Mexican Prickly Pear  
 [*Opuntia dulcis* Engelm.]  
 [Wooton & Standley, 1915; Benson, 1982, no mapped records; Heil & Brack, 1985;  
 Spellenberg & Wootten, 1999]
- OPUNTIA POLYACANTHA Haw. Plains Prickly Pear  
 [RDW 28337: UTEP, ASU]  
 Note; This collection needs to be reviewed as it might be *O. macrorhiza*. Benson (1982) shows no records from the New Mexico portion of the Guadalupe Mts.
- SCLEROCACTUS UNCINATUS (Gal.) N. P. Taylor ssp. WRIGHTII (Engelm.) N. P. Taylor Turk=s Head  
 [*Ancistrocactus uncinatus* (Gal.) L. Benson var. *wrightii* (Engel.) Benson]  
 [Van Devender, 1980; Benson, 1982; Heil & Brack, 1984, 1985; Worthington, 1999a;  
 Sivinski, 1999]

## CAMPANULACEAE

## Bellflower Family

- CAMPANULA ROTUNDIFOLIA L. Bluebell  
 [Gehlbach, 1965; Northington & Gehlbach, 1979]  
 [Records: TX, Culberson Co., .5 mi. Above Pratt Lodge, 5500 ft., *Hougham* (GUMO);  
 S. McKittrick Canyon, *Burgess 468* (TTC; GUMO); mouth of McKittrick Canyon, *Correll & Correll 26063* (TEX-LL), *Correll & Johnston 19148* (TEX-LL)]
- LOBELIA CARDINALIS L. ssp. GRAMINEA (Lam.) McVaugh Cardinal Flower  
 [Gehlbach, 1965; Riskind, 1974; Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., upper Pine Spring, mouth of Bear Canyon, *Burgess 2340* (TTC;  
 GUMO); Bone Canyon *Northington 935* (TTC; GUMO); NM, Eddy Co., Devil's Den Canyon,  
*J. W. Brunt 15* (NMC as ssp. *pseudosplendens*)  
 [RDW 27857: UTEP; UCR]  
 Note: The various subspecies seem to be no longer recognized (Allred, 2001).

## CAPPARIDACEAE (CAPPARACEAE)

## Caper Family

- KOEBERLINIA SPINOSA Zucc. Allthorn  
 [Gehlbach, 1965; Van Devender, 1977]
- POLANISIA DODECANDRA (L.) DC. Red-whiskers  
 Clammyweed  
 ssp TRACHYSPERMA (T. & G.) Iltis



[Gehlbach, 1965]  
ssp. UNIGLANDULOSA (Cav.) Iltis  
[Burgess and Northington, 1981]  
[Records: NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington* 32877 (UTEP)]

## CAPRIFOLIACEAE

## Honeysuckle Family

- LONICERA ALBIFLORA T. & G. White Honeysuckle  
[*Lonicera dumosa* Gray]  
[Wootton & Standley, 1915; Gehlbach, 1965; Fletcher, 1980a, 1980b]  
[Records: TX, Culberson Co., Bear Canyon Trail, *Northington* 455 (TTC; GUMO); below Pine Springs, *Correll & Johnston* 18522 (TEX-LL); mouth of Pine Canyon, *Young* (TEX-LL)]  
[UTEP: Ferguson, 323] [RDW 27815: UTEP]
- LONICERA ARIZONICA Rehder Arizona Honeysuckle  
[Riskind, 1974; Northington & Burgess, 1979]  
[Records: TX, Culberson Co., .5 mi. E top Guadalupe Peak, *Burgess* 1041 (TTC; GUMO)]  
[RDW 29973: UTEP] [RDW 28922: UTEP]  
Note: Flower color in the Guadalupe Mts. is light orange, not red.
- SYMPHORICARPOS GUADALUPENSIS Correll Guadalupe Snowberry  
[Correll, 1968; Riskind, 1974]  
[Records: TX, Culberson Co., South McKittrick Canyon, top of Guadalupe Mts., J. C. Hunter Ranch, 8000 ft., 5 Sep 1954, *Warnock* 12078 (Type: TEX-LL)]  
Note: The species is known from the type collection made at 8000 ft. and above South McKittrick Canyon on 5 Sep., 1954. It may occur at high elevations in the New Mexico part of the Guadalupe Mts.
- SYMPHORICARPOS LONGIFLORUS Gray Longflower Snowberry  
[Fletcher, 1980a; Jones, 1940]  
[Records: Guadalupe Mts., *Moore & Steyermark* 3478 (UC; NY; MO; PA; CAS; US); McKittrick Canyon, *Northington* 847 (TTC; GUMO); trail to Guadalupe Peak from Pine Spring, *Powell & Powell* 3832 (TEX-LL)] [*Worthington* 28077 (UTEP; UCR)]
- SYMPHORICARPOS OREOPHILUS Gray Mountain Snowberry  
[Gehlbach, 1965; Jones, 1940]  
[Records: Guadalupe Peak, *Moore & Steyermark* 3671 (UC; NY; MO; PA)]
- SYMPHORICARPOS PALMERI G. N. Jones Palmer Snowberry  
[Correll, 1968]  
[Records: TX, Culberson Co., South McKittrick Canyon, *Warnock* 12078 (TEX-LL); 1.8 km North and 1 km E of Pine Top, *Burgess* 4268b (TEX-LL) ]  
Note: This species was collected with the type of *S. guadalupensis* at near 8000 ft. and above South McKittrick Canyon. It may occur in New Mexico.
- SYMPHORICARPOS ROTUNDIFOLIUS Gray Roundleaf Snowberry  
[Gehlbach, 1965]  
[Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO)]  
Note: Burgess and Northington (1981) have a discussion of the problem with *Symphoricarpos* in the Guadalupe Mountains.

## CARYOPHYLLACEAE

## Pink Family

- ARENARIA FENDLERI Gray Fendler Sandwort  
[Gehlbach, 1965]
- ARENARIA LANUGINOSA (Michx.) Rohrb. ssp. SAXOSA (Gray) Maguire Spreading Sandwort  
[*Arenaria confusa* Rydb.]  
[Shinners, 1962]  
[Records: TX, Culberson Co., 2.7 mi. N of Pine Springs Camp along hwy. 62, 22 Sep 1946, *Whitehouse* (BRIT); S. McKittrick Canyon, *Burgess* 4257 (TTC; GUMO); NM, Eddy Co., Dark

- Canyon, *Higgins 7327* (NMC)]  
 [Worthington 28670 (UTEP; US); Worthington 30128 (UTEP, UCR)]
- CERASTIUM AXILLARE Correll  
 [Records: foothills of the Guadalupe Mts., *Peterson 01-93* (NMC)]
- DRYMARIA LAXIFLORA Benth.  
 [Records: NM: Eddy Co., ridge road SW of Dark Canyon, *Higgins 9194* (NMC)]
- DRYMARIA LEPTOPHYLLA (Cham. & Schlecht.) Fenzl. *ex* Rohrb. Canyon Drymary  
 [*Drymaria tenella* Gray]  
 [RDW 28658: UTEP, UCR]
- PARONYCHIA JAMESII T. & G. James Nailwort  
 [*Paronychia jamesii* T. & G. var. *praelongifolia* Correll]  
 [Core, 1941; Gehlbach, 1965; Correll, 1966; Warnock, 1974; Van Devender, 1975; Spellenberg, 1976; Fletcher, 1979]  
 [Records: NM, Eddy Co., Carlsbad Caverns, *Degener 5037* (NY); Dark Canyon, *Grassl 33* (F); Sitting Bull Falls, *Spellenberg 4194* (NMC); TX, Culberson Co., Guadalupe Mts., limestone foothills, 8 Aug 1945, *Lundell & Lundell 14374* (Type of var. *Praelongifolia*: TEX-LL); Guadalupe Mts., *Moore & Steyermark 3612* (GH; PH; NY; RM); McKittrick Canyon, *Gehlbach* (GUMO); Bear Canyon, *Baker 13096* (GUMO)]  
 [UTEP: Van Devender, s.n.] [RDW 27914: UTEP; RSA-POM] [RDW 28676: UTEP; US]
- SILENE ANTIRRHINA L. Sleepy Catchfly  
 [Burgess & Northington, 1981]  
 [RDW 28272: UTEP]
- SILENE LACINIATA Cav. Mexican Silene; Mexican Campion  
 [Gehlbach, 1965; Fletcher, 1980A]  
 [Records: TX, Culberson Co., top Bush Mtn., *Burgess 2303* (TTC; GUMO); upper Dog Canyon, *Burgess 1455* (TTC; GUMO); McKittrick Canyon, (*Young* (TEX-LL); Pine Canyon, *Correll & Correll 24694* (TEX-LL)]  
 [RDW 28623: UTEP; UCR]
- STELLARIA CUSPIDATA Willd. Mountain Starwort  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., W. Slaughter Canyon, *Burgess 4576* (TTC; GUMO)]
- STELLARIA JAMESIANA Torr.  
 [Shinners, 1962]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, 8000 ft., 5 Sep 1954, *Warnock 12025* (BRIT); W. of Bush Mtn., 8600 ft., *Hougham* (GUMO)]

## CELASTRACEAE

## Staff-tree Family

- CELASTRUS SCANDENS L. Climbing Bittersweet  
 [Hou, 1955, Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., North McKittrick Canyon, *Burgess 2042* (TTC; GUMO); South McKittrick Canyon, *Correll & Correll 26071* (TEX-LL)]
- MORTONIA SEMPERVIRENS Gray ssp. SCABRELLA (Gray) Prigge Rough Mortonia; Sandpaper Bush  
 [*Mortonia scabrella* Gray]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Guadalupe Canyon, *Warnock 6319* (TEX-LL), *Correll & Johnston 22000* (TEX-LL); near Pine Springs, *Young* (TEX-LL)][Ward, s.n.: UTEP]
- PAXISTIMA MYRSINITES (Pursh) Raf. Oregon Boxleaf  
 [RDW 30194: UTEP, SRSC, UCR]

## CHENOPODIACEAE

## Goosefoot Family

- ATRIPLEX CANESCENS (Pursh) Nutt. Fourwing Saltbush; Chamisa  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., Guadalupe Canyon, *Lundell & Lundell 14410*]

- (TEX-LL)][RDW 28068: UTEP]  
 CHENOPODIUM BERLANDIERI Moq.  
 [Records: TX, Culberson Co., Pine Springs Canyon, *Correll & Correll 26102* (TEX-LL)]  
 CHENOPODIUM DESICCATUM A. Nels. Thickleaf Goosefoot  
 [Gehlbach, 1965]  
 CHENOPODIUM INCANUM (Wats.) Heller var. ELATUM Crawford Mealy Goosefoot  
 [Gehlbach, 1965; Crawford, 1977; Burgess & Northington, 1981]  
 [TX, Culberson Co., 2 mi. S TX-NM state line, *Warnock 6249* (TEX-LL); NM,  
 Eddy Co., 1 mi. SW White=s City, *Melchert 231* (TEX-LL)]  
 CHENOPODIUM SIMPLEX (Torr.) Raf. Bigseed Goosefoot  
 [RDW 28609: UTEP; CHSC; UCR]  
 KOCHIA SCOPARIA (L.) Schrad. Belvedere; Mexican Fireweed  
 [RDW 27983.5: UTEP; UCR]  
 KRASCHENINNIKOVIA LANATA (Pursh) Guldenstaedt Winterfat; Whitesage  
 [*Eurotia lanata* (Pursh) Moq.]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Bone Canyon, *Burgess 1622* (TTC; GUMO); Dog Canyon, *Burgess 3801* (TEX-LL)]  
 SALSOLA COLLINA P. S. Pallas  
 [Records: TX, Culberson Co., Manzanita Spring, *Worthington* (UTEP; GUMO)]  
 SALSOLA PAULSENII Litv.  
 [Records: TX, Culberson Co., Pitchfork Meadow in Upper Dog Canyon, *Burgess 5654* (UCR)]  
 SALSOLA TRAGUS L. Tumbleweed; Russian Thistle  
 [*Salsola kali* L.; *S. iberica* Senn. & Pau; *S. pestifer* A. Nels; *S. australis* R. Brown.]  
 [Gehlbach, 1965; Warnock, 1974]  
 [RDW 28011: UTEP]  
 TELOXYS GRAVEOLENS (Willd.) W. A. Weber Ragleaf Goosefoot  
 [*Chenopodium incisum* Poir. var. *neomexicanum* Aellen]  
 [RDW

## CISTACEAE

## Rock-rose Family

- LECHEA TENUIFOLIA Michx. Narrowleaf Pin Weed  
 [RDW 28675: UTEP; SWT; SRSC; NMCR; UNM; NMC]  
 Note: This is the first record of this family, genus and species from New Mexico.  
 The plant is locally common on the top of Gunsight Ridge on a tan sandstone  
 substrate. It may represent a form (*L. mensalis* Hodg.) known from one collection  
 from high in the Chisos Mts. of Texas and a collection from the Sierra Del Carmen  
 of northern Mexico. The taxonomic status of *L. mensalis* as a distinct species different  
 from *L. tenuifolia* has been questioned.

## CONVOLVULACEAE

## Morning Glory Family

- CONVOLVULUS ARVENSIS L. Field Bindweed  
 [Gehlbach, 1965; Austin, 1990]  
 [Hershey s.n.: NMC]  
 CONVOLVULUS EQUITANS Benth. Hoary Bindweed  
 [*Convolvulus incanus* Vahl]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Austin, 1990]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Burgess 1493* (TTC; GUMO); McKittrick  
 Canyon, *Northington 529* (TTC; GUMO); Guadalupe Canyon, *Marcks & Marcks 1309* (TEX-LL)]  
 [RDW 28018: UTEP; UCR][Wooton s.n.: NMC][Sivinski 3329: UNM]  
 DICHONDRA BRACHYPODA Woot. & Standl. New Mexico Ponyfoot  
 [Wooton & Standley, 1913,1915; Austin, 1990]

- [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 4162 (TTC; GUMO); North McKittrick Canyon, *Warnock & Rogers* 18887 (TEX-LL)]  
 [RDW 27953: UTEP; UCR][Queen, *Wooton s.n.* (NMC); 3 mi. NW of Sitting Bull Falls, *Spellenberg* 10014 (NMC, NY, ID, TEX-LL, FAU)]
- EVOLVULUS PILOSUS Nutt. Hairy Evolvulus; Silver Evolvulus; Nuttall Evolvulus  
 [*E. nuttallianus* Roem. & Schult.]  
 [Gehlbach, 1965; Austin, 1990]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Northington* 530 (TTC; GUMO); near Pine Springs, *Young* (TEX-LL)]  
 [RDW 27934: UTEP][Wooton s.n.: NMC]
- ?EVOLVULUS SERICEUS Sw. var. SERICEUS Silky Evolvulus  
 [Austin, 1990]  
 [Marley s.n.: GH; UNM]  
 Note: Austin (1990) only gives the county for this collection.
- IPOMOEA COSTELLATA Torr. Crestrub Morning Glory  
 [Wooton & Standley, 1915]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Northington* 901 (TTC; GUMO); mouth of Pine Canyon, *Young* (TEX-LL)]  
 [RDW 27982: UTEP; UCR][RDW 30221: UTEP, UCR]
- IPOMOEA CRISTULATA Hallier f. Ivy Morning Glory; Scarlet Morning Glory  
 [Records: TX, Culberson Co., mouth of Pine Canyon, *Young* (TEX-LL); McKittrick Canyon, *Young* (TEX-LL)]  
 [RDW 28017: UTEP; RSA-POM]
- ?IPOMOEA LEPTOPHYLLA Torr. Bush Morning Glory  
 [Austin, 1990]  
 [Spellenberg & Repass 5255: NMC]  
 Note: Austin (1990) only gives the county for this collection.
- IPOMOEA LINDHEIMERI Gray Blue Morning Glory  
 [Gehlbach, 1965; Van Devender, 1977; Northington & Burgess, 1979; Austin, 1992]  
 [Records: NM, Eddy Co., Carlsbad Caverns, *Degener* 5042 (NY); 1.5 mi. NE of Whites City, *Worthington* 32878 (UTEP); *Worthington* 27892 (UTEP); Guadalupe Mts., *Wooton* (NMC); TX, Culberson Co., Geology Loop Trail, *Hougham* GUMO); Pine Springs, *Correll & Johnston* 19159 (TEX-LL)][*Worthington* 30218 (UTEP)]
- IPOMOEA PUBESCENS Lam.  
 [Austin, 1992]  
 [Records: NM, Eddy Co., *Bailey* 721 (US)]
- IPOMOEA PURPUREA (L.) Roth Common Morning Glory; Mexican Morning Glory  
 [Austin, 1990]  
 [RDW 27983, 28007: UTEP; UCR; RSA-POM; UNM] [Higgins 9233: NY][RDW 30220: UTEP]
- IPOMOEA TENUILOBA Torr. Trumpet Morning Glory  
 [*Ipomoea tenuiloba* Torr. var. *lemmonii* (Gray) Yat. & Mason]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981; Yatskievych & Mason, 1984; Austin, 1990, 1992]  
 [Records: NM, Eddy Co., Willow Seep Canyon, *Chapline* 680 (US); NM, Eddy Co., Guadalupe Mts., *Bailey* 720 (US); NM, Eddy Co., SW of Dark Canyon on ridge, *Higgins* 9204 (NY); *Worthington* 28566 (UTEP); NM, Eddy Co., 2 Aug 1909, *Wooton s.n.* (NMC); *Worthington* 30219 (UTEP)]

## CRASSULACEAE

## Orpine Family; Stonecrop Family

- SEDUM WRIGHTII Gray Wright Stonecrop  
 [Records: TX, Culberson Co., Smith Spring, *Hougham* (GUMO); South McKittrick Canyon, *Correll & Correll* 26062 (TEX-LL)]  
 [RDW 30219: UTEP]

## CROSSOSOMATACEAE

## Crossosoma Family

- GLOSSOPETALON SPINESCENS Gray Spiny Greasebush  
[*Forsellesia spinescens* (Gray) Greene]  
[Ensign, 1943]  
[Records: NM, Eddy Co., near Sitting Bull Falls, *Standley* 40751 (US); TX, Culberson Co., North McKittrick Canyon, *Correll & Johnston 18494* (TEX-LL); South McKittrick Canyon, *Warnock 23176* (TEX-LL)] [RDW 27814: UTEP; UCR]

## CUCURBITACEAE

## Gourd Family

- CUCURBITA FOETIDISSIMA H.B.K. Buffalo Gourd  
[Gehlbach, 1965; Van Devender, 1977]  
[Records: TX, Culberson Co., near Nipple Hill, *Hougham* (GUMO)]  
[RDW 27917: UTEP]
- IBERVILLEA TENUISECTA (Gray) Small Slimlobe Globeberry  
[Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1980, Holocene remains]  
[Records: TX, Culberson Co., W. bajada of Guadalupe Mts., *Burgess 2508* (TTC; GUMO); 3 mi. NW of Sitting Bull Falls, *Spellenberg 10011* (NMC, NY, ID, TEX-LL)]  
[RDW 28099: UTEP; UCR]
- SICYOS MICROPHYLLUS Kunth  
[Records: TX, Culberson Co., Pine Springs Canyon, *Correll & Correll 26101* (TEX-LL)]

## ERICACEAE

## Heath Family

- ARBUTUS XALAPENSIS K. Kunth Madrone  
[*Arbutus texana* S. Buckley]  
[Wooton & Standley, 1915; Hershey, 1940; Gehlbach, 1965; Spellenberg, 1976; Northington & Burgess, 1979; Fletcher, 1979, 1980a; Burgess & Northington, 1981; Heil & Brack, 1985; Baker, 1999]  
[Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO); Pine Canyon, *Young* (TEX-LL); NM, Eddy Co., Rattlesnake Canyon, *Sutherland 6961* (NMC); Queen, *Wooton* (NMC); Dark Canyon, *Higgins 7353* (NMC)]  
[RDW 27708: UTEP]

## EUPHORBIACEAE

## Spurge Family

- ACALYPHA LINDHEIMERI Muell.-Arg. Lindheimer Copperleaf  
[Wooton & Standley, 1915; Johnston & Warnock, 1962; Gehlbach, 1965; Spellenberg, 1976; Van Devender, 1977; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., McKittrick Canyon, *Northington 828* (TTC; GUMO); NM, Eddy Co., Queen, *Wooton* (NMC); Dark Canyon, *Higgins 9240* (NMC); Sitting Bull Falls, *Spellenberg 4192* (NMC)]  
[UTEP: Lambert, 878] [RDW 27710: UTEP][GUMO]  
Note: Specimens at NMC are annotated *Acalypha phleoides* by G. A. Levin indicating a pending name change.
- ACALYPHA NEOMEXICANA Muell.-Arg. New Mexico Copperleaf  
[Wooton & Standley, 1915; Johnston & Warnock, 1962; Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., Pine Spring, *Young* (TEX-LL)]  
[RDW 28008: UTEP; UCR; RSA-POM]
- ARGYTHAMNIA HUMILIS (Engelm. & Gray) Muell.-Arg. Low Wildmercury  
[*Ditaxis humilis* (Engelm. & Gray) F. Pax]

- [Gehlbach, 1965; Warnock, 1974]  
 [Records: NM, Eddy Co., Whites City, *Worthington 32738* (UTEP)]
- ARGYTHAMNIA MERCURIALINA (Nutt.) Muell.-Arg. var. MERCURIALINA Tall Wildmercury  
 [*Ditaxis mercurialina* (Nutt.) Coulter]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., mouth of McKittrick Canyon, *Correll & Johnston 19154* (TEX-LL);  
 North McKittrick Canyon, *Warnock & Rogers 18944* (TEX-LL)]
- ARGYTHAMNIA NEOMEXICANA Müell.-Arg. New Mexico Copperleaf  
 [*Ditaxis neomexicana* (Muell.-Arg.) Heller]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess 4171* (TTC; GUMO)]  
 [RDW 27850: UTEP][GUMO]
- BERNARDIA OBOVATA I. M. Johnst. Desert Myrtle-croton  
 [*Bernardia myricaefolia* (Scheele) Benth. & Hook.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977;  
 Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., N. end Patterson Hills, *Burgess 4110* (TTC; GUMO)]  
 [RDW 27991: UTEP][GUMO]
- CHAMAESYCE ACUTA (Engelm.) Millsp.  
 [*Euphorbia acuta* Engelm.]  
 [Burgess & Northington, 1981]
- CHAMAESYCE ALBOMARGINATA (T. & G.) Small White-margin Spurge; Rattlesnake Weed  
 [Burgess & Northington, 1981]  
 [RDW 27975: UTEP; RSA-POM][GUMO]
- CHAMAESYCE CHAETOCALYX (Boiss.) Woot. & Standl. Rusty-stemmed Spurge  
 [*Euphorbia fendleri* Torr. & Gray var. *chaetocalyx* Boiss.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1975; Fletcher, 1980a;  
 Burgess & Northington, 1981; Worthington, 1999a]  
 [Records: TX, Culberson Co., Guadalupe Canyon, *Correll & Johnston 21992* (TEX-LL); South  
 McKittrick Canyon, *Mueller 8288* (TEX-LL)]  
 [RDW 27851: UTEP; UCR][GUMO]
- CHAMAESYCE FENDLERI (Torr. & Gray) Small Fendler Spurge  
 [Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
 [Spellenberg 12458, 12471: NMC; NY]
- CHAMAESYCE LATA (Engelm.) Small Hoary Euphorbia  
 [Wooton & Standley, 1915; Wheeler, 1941; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess 4439* (TTC; GUMO);  
 TX, Culberson Co., Signal Peak, *Whitehouse 502* (NY); Pine Springs, *Young* (TEX-LL)]  
 [*Worthington 27820* (UTEP; UCR)]
- CHAMAESYCE MACULATA (L.) Small  
 [*Euphorbia maculata* L.]  
 [Records: TX, Culberson Co., W. bajada of Guadalupe Mts., *Burgess 2722* (TTC; GUMO)]
- CHAMAESYCE PROSTRATA (Ait.) Small Groundfig Spurge  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Whites City, *Worthington 32732* (UTEP)]
- CHAMAESYCE REVOLUTA (Engelm.) Small  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near Cutoff Mtn., *Burgess 2726* (TTC; GUMO)]
- CHAMAESYCE SERPYLLIFOLIA (Pers.) Small Winged Spurge; Thymeleaf Sandmat  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near Cutoff Mtn., *Burgess 2772* (TTC; GUMO)]  
 [RDW 30202: UTEP]
- CHAMAESYCE SERRULA (Engelm.) Woot. & Standl. Sawtooth Spurge  
 [Wheeler, 1941; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Pine Springs Canyon, *Correll & Johnston 24264* (TEX-LL);

- NM, Eddy Co., dry hillsides near Carlsbad Caverns, *Standley* 40397 (US);  
*Worthington* 27822 (UTEP; UCR)]
- CHAMAESYCE STICTOSPORA (Engelm.) Small Slimseed Euphorbia  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., below McKittrick Canyon, *Correll & Johnston* 19138 (TEX-LL)]  
 [RDW 27890: UTEP][RDW 30213: UTEP]
- ?CHAMAESYCE VERMICULATA (Raf.) House Vermiculate Euphorbia  
 [Gehlbach, 1965]  
 Note: A Gehlbach collection I reviewed at GUMO is immature and may be *C. serrula*.
- CROTON DIOICUS Cav. Grassland Croton  
 [*Croton neomexicanus* Muell.-Arg.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1975, 1977; Spellenberg, 1976;  
 Burgess & Northington, 1981; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO); near Pine Springs, *Young*  
 (TEX-LL)]  
 [UTEP: Lambert, 875] [RDW 27824: UTEP; UCR]
- CROTON FRUTICULOSUS Engelm. ex Torr. Bush Croton; Encinilla  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975; Burgess & Northington, 1981;  
 Baker, 1999]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Northington* 548 (TTC; GUMO); NM, Eddy Co.,  
 entrance to CCNP, *Sutherland* 6989 (NMC); Sitting Bull Falls, *Higgins* 7377 (NMC)]  
 [UTEP: Van Devender, s.n.][GUMO]
- CROTON LINDHEIMERIANUS Scheele var. THARPII M. C. Johnst. Trarp Croton  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Slaughter Canyon, *Burgess* 4642 (TTC; GUMO); foothills of the  
 Guadalupe Mts., *Peterson* 01-508 (NMC); Whites City, *Worthington* 32852 (UTEP)]  
 [RDW 27903, 28019: UTEP; UCR; RSA-POM; UNM]
- CROTON MONANTHOGYNUS Michx. Oneseed Croton; Prairie Tea  
 [Warnock, 1974]
- CROTON POTTSII (Kl.) Muell.-Arg. var. POTTSII Leatherweed Croton  
 [*Croton corymbulosus* Engelm.]  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Northington* 650 (TTC;  
 GUMO); Guadalupe Canyon, *Marcks & Marcks* 1301 (TEX-LL); NM, Eddy Co., Guadalupe  
 Mts., *Wooton* (NMC)]  
 [RDW 28058: UTEP; UCR][GUMO]
- CROTON TEXENSIS [Klotzsch] Muell.-Arg. Texas Croton; Dove Weed  
 [Gehlbach, 1965]
- EUPHORBIA BRACHYCERA Engelm. Horned Euphorbia  
 [Fletcher, 1979, 1980b; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 1845 (TTC; GUMO); South McKittrick  
 Canyon, *Correll & Johnston* 19172 (TEX-LL), *Warnock & Johnston* 16465 (TEX-LL)]
- EUPHORBIA CYANTHOPHORA J. Murray Painted Euphorbia  
 [*Poinsettia cyanthophora* (Murray) Klotzsch & Garcke]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Hougham* (GUMO); Pine Springs Canyon, *Correll*  
 & *Johnston* 24241 (TEX-LL)]  
 [RDW 27907: UTEP; RSA-POM][RDW 30196: UTEP]
- EUPHORBIA DENTATA Michx. Toothed Spurge  
 [Burgess & Northington, 1981]  
 [RDW 27909: UTEP; RSA-POM]
- EUPHORBIA ERIANTHA Benth. Woolly-flower Euphorbia  
 [Spellenberg *et al.*, 1986]  
 [Knight 2400: UNM]
- EUPHORBIA EXSTIPULATA Engelm. var. EXSTIPULATA Squareseed Spurge

- [Burgess & Northington, 1981]  
[RDW 30226: UTEP, UCR]  
EUPHORBIA SPATHULATA Lam. Warty Euphorbia  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Slaughter Canyon, *Burgess* 4568 (TTC; GUMO)]  
[Lambert, 865; RDW 28131, UTEP]
- JATROPHA DIOICA Cerv. var. GRAMINEA McVaugh Leather Stem; Spurge de Drago  
[Northington & Burgess, 1979; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., small hill N. of Patterson Hills, *Burgess* 1805 (TTC; GUMO)]
- PHYLLANTHUS POLYGONOIDES Spreng. Knotweed Leafflower  
[Wooton & Standley, 1915; Webster, 1970; Warnock, 1974; Spellenberg, 1976; Burgess & Northington, 1981]  
[NM, Eddy Co., Carlsbad Caverns, *Degener* 5036 (NY); TX, Culberson Co., near Cutoff Peak, *Burgess* 3216 (TTC; GUMO)][UTEP: Van Devender, s.n.]  
[RDW 27913: UTEP; RSA-POM][GUMO]
- TRAGIA NEPETAEFOLIA Cav. Catnip Noseburn  
[Gehlbach, 1965]
- TRAGIA RAMOSA Torr. Catnip Noseburn  
[Wooton & Standley, 1915; Miller & Webster, 1967; Van Devender, 1975; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., upper Dog Canyon, *Northington* 356 (TTC; GUMO)]  
[UTEP 27809: UTEP; UCR][GUMO]

## FABACEAE (LEGUMINOSAE)

## Legume Family

- ACACIA ANGUSTISSIMA (Mill.) Ktze. Fern Acacia; Prarie Acacia  
[Gehlbach, 1965; Van Devender, 1977; Burgess & Northington, 1981; Turner, 1996, mapped]  
[Records: TX, Culberson Co., Pine Spring Canyon, *Burgess* 2357 (TTC; GUMO)]  
[RDW 27980: UTEP]
- ACACIA CONSTRICTA Gray Mescat Acacia; Whitethorn Acacia  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., head of Guadalupe Peak Trail, *Burgess* 1083 (TTC; GUMO); base of Signal Peak, *Lee* 65 (TEX-LL)]
- ACACIA GREGGII Gray var. GREGGII Catclaw Acacia  
[Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981]
- ACACIA NEOVERNICOSA Isely Viscid Acacia; Stickleaf Acacia  
[Van Devender, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
[Records: TX, Culberson Co., Williams Ranch House, *Burgess* 616 (TTC; GUMO); Guadalupe Canyon, *Marcks & Marcks* 1302 (TEX-LL)]GUMO]
- ACACIA ROEMERIANA Scheele Roemer Acacia; Catclaw  
[Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess* 4557 (TTC; GUMO); Dark Canyon, *Wooton* (NMC); 3 mi. NW Sitting Bull Falls, *Spellenberg* 10016 (NMC); CCNP near New Cave, *Carter* 456 (NMC)]  
[RDW 28261: UTEP]
- AMORPHA FRUTICOSA L. Bastard Indigo; Indigobush Amorpha  
[Burgess & Northington, 1981]  
[Van Devender s.n.: ARIZ]
- ASTRAGALUS ALBULUS Woot. & Standl. Cibola Milkvetch  
[Northington & Burgess, 1979; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., Bone Canyon Spring, *Burgess* 993 (TTC; GUMO - annotated by R. Barneby)]  
Note: This species is reported to be locally common at Bone Spring (Burgess & Northington,



- 1981]
- ASTRAGALUS EMORYANUS (Rydb.) Cory Emory Loco  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Canyon, *Warnock 5367* (TEX-LL); 3 mi. N of Pine Springs, *Correll & Rollins 23890* (TEX-LL)]
- ASTRAGALUS GIGANTEUS Wats. Giant Milkvetch  
 [Burgess & Northington, 1981]  
 Note: One collection is reported from an eroded bank below Choza Spring (Burgess & Northington, 1981).
- ASTRAGALUS GYPSODES Barneby Gyp Milkvetch  
 [Barneby, 1956; Head, 1957, chromosome count of  $2n=24$ ]  
 [Ripley & Barneby 11138: CAS (type); GH; NY; OKLA; RSA-POM; RM; BRIT; US; WSC; WTU (isotypes)] [Ripley & Barneby 11143: CAS; NY][NM, Eddy Co., NE of Pine Springs near TX/NM border, 24 Apr 1953, *Castetter 5970* (UNM)]  
 Note: This species is restricted to the Castile Formation (gypsum) east of the Guadalupe Mountains. It may yet be found on some of the limited gypsum formations within the range.
- ASTRAGALUS MISSOURIENSIS Nutt. var. MISSOURIENSIS Missouri Milkvetch  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., 3 mi. N of Pine Spring, *Correll & Rollins 23886* (TEX-LL); Guadalupe Canyon, *Warnock 9410* (TEX-LL)]
- ASTRAGALUS MOLLISSIMUS DC. var. MOLLISSIMUS Woolly Locoweed  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
 [NM, Eddy Co., floor of Dark Canyon, 27 Mar 1959, *Martin 3024* (UNM); Rattlesnake Spring, 2 May 1956, *Mckechnie 451* (UNM), *Sutherland 6959* (NMC)][Lambert 925: UTEP] [GUMO]
- ASTRAGALUS NUTTALLIANUS DC.  
 var. AUSTRINUS (Small) Shreve & Wiggins Southwestern Milkvetch  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [GUMO]  
 var. MACILENTUS (Small) B. L. Turner  
 [Burgess & Northington, 1981]  
 Note: It is reported to occur in Bone Canyon (Burgess & Northington, 1981).
- ASTRAGALUS PICTIFORMIS Barneby Guadalupe Milkvetch  
 [Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [NM, Eddy Co., 1.5 mi. Above Sitting Bull Falls, 15 Apr 1960, *Martin 3852* (UNM); foothills of the Guadalupe Mts., *Peterson 01-119* (NMC) TX, Culberson Co., WSW of Cox Tank, *Burgess 404* (TTC; GUMO)]
- ASTRAGALUS WATERFALLII Barneby Waterfall Milkvetch  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Williams Ranch Road, *Burgess 3181* (TEX-LL); Guadalupe Canyon, *Warnock 5366* (TEX-LL)]  
 [Sivinski 4700: UNM]  
 Note: Reported from the west side of the range on sandstone at lower elevations (Burgess & Northington, 1981).
- CAESALPINIA GILLIESII (Hook.) Wall. ex Dietrich Bird of Paradise  
 [Isely, 1975, mapped; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Pass, *Hougham* (GUMO); base of Signal Peak, *Lee 66* (TEX-LL)]
- CAESALPINIA JAMESII (Torr. & Gray) Fisher James Rushpea  
 [Isely, 1974, mapped; Northington & Burgess, 1979; Burgess & Northington, 1981]
- CALLIANDRA CONFERTA Benth. Falsemesquite; Calliandra  
 [Gehlbach, 1965; Warnock, 1974]
- CALLIANDRA HUMILIS Benth. Dwarf Calliandra  
 [Gehlbach, 1965]
- COLOGANIA ANGUSTIFOLIA H.B.K.  
 [*Cologania longifolia* Gray]

- [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 4253 (TTC; GUMO)]  
 COLOGANIA BROUSSONETTII (Balb.) DC. Mexican Cologania  
 [*Cologania pulchella* H.B.K.]  
 [Wooton & Standley, 1915]
- COLOGANIA PALLIDA Rose  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 4253 (TTC; GUMO)]
- DALEA AUREA Nutt. *ex* Pursh Goldeen Dalea  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Smith Spring Trail, *Hougham* (GUMO)]
- DALEA BICOLOR Humb. & Bonpl. *ex* Willd. var. ARGYREA (Gray) Barneby Silver Dalea  
 [*Parosela paysoniae*]  
 [Gehlbach, 1965; Warnock, 1974; Barneby, 1977; Burgess & Northington, 1981; Worthington, 1999a]  
 [Records: NM, Eddy Co., rocky slopes near Carlsbad Caverns, 27 Sep 1931, *Payson* 37 (Type of *Parosela paysoniae*: RM); TX, Culberson Co., McKittrick Canyon Ranger Station, *Gehlbach* (GUMO); E slope of Guadalupe Mts., *Gentry & Ogden* 9900 (TEX-LL); Pratt Ranch, *Warnock* 9565 (TEX-LL)] [*Worthington* 28045 (UTEP; UCR)]
- DALEA BRACHYSTACHYA Gray Fort Bowie Prairie Clover  
 [RDW 28660, 28618: UTEP; SRSC; UCR]
- DALEA CANDIDA Willd. White Prairie-clover  
 [*Petalostemon candidus* A. Michx. var. *oligophyllus* (Torr.) Herm.]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Choza Spring, *Burgess* 3591 (TTC; GUMO); Pine Springs, *Correll & Johnston* 19190 (TEX-LL); Signal Peak, *Whitehouse* (TEX-LL)]  
 [RDW 27979: UTEP; UCR]
- DALEA COMPACTA Spreng. Spite Prairie Clover  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., 1.3 km S and 4.18 km W top Bush Mtn., *Burgess* 3771 (TTC; GUMO)]
- DALEA FORMOSA Torr. Feather Dalea  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Spellenberg, 1976; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near Pine Springs, *Young* (TEX-LL)][GUMO]
- DALEA FRUTESCENS Gray Black Dalea  
 [Wooton & Standley, 1915; Gehlbach, 1965; Barneby, 1977; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 3704 (TTC; GUMO); Pine Spring Canyon, *Correll & Johnston* 24258 (TEX-LL)]  
 [RDW 27976: UTEP; UCR; RSA-POM]
- DALEA JAMESII (Torr.) T. & G. James Dalea  
 [*Parosela jamesii* (Torr.) Vail]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Ranger Station, *Sanchez* (GUMO); Guadalupe Canyon, *Correll & Johnston* 21995 (TEX-LL); 3 mi. N of Pine Springs, *Correll & Rollins* 23891 (TEX-LL)]  
 [RDW 27922: UTEP]
- DALEA LACHNOSTACHYS Gray Glandleaf Dalea  
 [Gehlbach, 1965]
- DALEA NANA Torr. var. CARDESCENS (Rydb.) Kearney Dwarf Dalea  
 [*Dalea cardescens* Bullock]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., W of Frijole, *Burgess* 2632 (TEX-LL); NM, Eddy Co., Whites City, *Worthington* 32746 (UTEP)]  
 [RDW 27923: UTEP]

- DALEA POGONATHERA Gray Bearded Dalea  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess* 4462 (TTC; GUMO); TX, Culberson Co., Bear and Pine Spring Canyons, *Burgess* 2342 (TEX-LL)]  
 [UTEP: Ferguson 311] [RDW 27941: UTEP]
- DALEA PURPUREA Vent. var. PURPUREA Purple Prairie Clover  
 [*Petalostemon purpureum* (Vent.) Rydb.]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Canyon, Guadalupe Mts., 5400 ft., 05 Jul 1944, *Warnock* 6321(TEX-LL)]
- DALEA WRIGHTII Gray Wright Dalea  
 [Van Devender, 1977; Burgess & Northington, 1981]
- DESMANTHUS COOLEYI (Eat.) Trel. Cooley Bundleflower  
 [Gehlbach, 1965; Warnock, 1974, Burgess & Northington, 1981; Lucklow, 1993, no NM Guadalupe records]  
 Selected records: 12 mi. SE of TX-NM line, foothills of Guadalupe Mts., 05 Jul 1947, *Warnock* 6343 (TEX-LL).
- DESMANTHUS GLANDULOSUS (Turner) Lucklow Glandular Bundleflower  
 [*Desmanthus virgatus* (L.) Willd. var. *glandulosus* Turner]  
 [Lucklow, 1993]  
 [Records: NM, Eddy Co., Gray 's Ranch, *Goodding* 8330 (ARIZ; US), A9734 (ASU; ARIZ); Dark Canyon, Rocky Arroyo Road, *Grassl* 66 (F); Dark Canyon, *Standley* 40667 (US); Whites City, *Worthington* 32849 (UTEP)]
- DESMANTHUS ILLINOENSIS (Michx.) MacM. ex B. Robins. & Fern.  
 [Luckow, 1993]  
 [Records: NM, Eddy Co., 11 mi. S of Carlsbad at Black River Crossing, *Holmgren* 7425 (NY; NMC)]
- DESMANTHUS OBTUSUS Wats. Bluntpod Bundleflower  
 [*Acuan fallax* Small; *A. obtusa* (Wats.) Heller]  
 [Higgins 6740: NY] [Wilkens 2079: DS; PH]
- DESMANTHUS VELUTINUS Scheele Velvet Bundleflower  
 [*Desmanthus pedunculatus* Buckley]  
 [Gehlbach, 1965; Burgess & Northington, 1981; Lucklow, 1993]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Pk. 1/8 mi. SSW elevator tower, *Dole* 91 (UC); Guadalupe Mts., *Goodding* 843G (ARIZ); Dark Canyon, *Grassl* 66 (MICH); Sitting Bull Falls, *Higgins* 7381 (NY); near Carlsbad Caverns, *Standley* 40420 (US); TX, Culberson Co., McKittrick Canyon, *Burgess* 4185 (TTC; GUMO)] [*Worthington* 28678 (UTEP); GUMO]
- HOFFMANNSEGGIA DREPANOCARPA Gray Sicklepod Rushpea  
 [*Caesalpinia drepanocarpa* (Gray) Fisher]  
 [Wooton & Standley, 1915; Isely, 1975, mapped; Burgess & Northington, 1981; Simpson, 1999]  
 [RDW 27821: UTEP; UCR][NM, Eddy Co., vic. Carlsbad Caverns, 15 Aug 1955, *McKechnie* 399 (WIS); Whites City, *Worthington* 32850 (UTEP); TX, Culberson Co., Nipple Hill, *Burgess* 1026 (TTC; GUMO)]
- HOFFMANNSEGGIA GLAUCA (Ort.) Eifert Indian Rushpea  
 [*Hoffmanseggia densiflora* Benth.]  
 [Gehlbach, 1965; Warnock, 1974; Isely, 1975, mapped; Burgess & Northington, 1981; Simpson, 1999]  
 [Records: TX, Culberson Co., lower S slope of Guadalupe Mts., *Correll & Johnston* 19196 (TEX-LL)]
- LATHYRUS EUCOSMUS Butters & St. John Bush Vetchling  
 [Lambert 929: UTEP] [RDW 28287, UTEP; NY; UCR]
- LATHYRUS GRAMINIFOLIUS (Wats.) White Grassleaf Peavine  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., The Bowl, *Burgess* 431 (TTC; GUMO)]
- LEUCAENA RETUSA Gray Littleleaf Leadtree  
 [Gehlbach, 1965; Hughes, 1998]

- [Records: NM, Eddy Co., near Queen (31E59=N, 104E50=W), *Lyendecker s.n.* (US)]  
 MEDICAGO LUPULINA L. Black Medick  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess* 4584 (TTC; GUMO)]
- MEDICAGO SATIVA L. Alfalfa  
 [Records: TX, Culberson Co., Signal Peak Housing, *Hougham* (GUMO)]
- MELILOTUS ALBUS Medikus White Sweetclover  
 [Spellenberg, 1976; Baker, 1999]  
 [Records: TX, Culberson Co., Guadalupe Pass, *Hougham* (GUMO); Choisy Creek, *Warnock* 23364 (TEX-LL); NM, Eddy Co., Sitting Bull Falls, *Ferguson* 308 (UTEP; UCR)]  
 [RDW 27711: UTEP]
- MELILOTUS OFFICINALIS (L.) Lam. Yellow Sweetclover  
 [Gehlbach, 1965]  
 [RDW 30225: UTEP]
- MIMOSA ACULEATICARPA Ortega var. BIUNCIFERA (Benth.) Barneby Wait-a-bit  
 [*Mimosa biuncifera* Benth.]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Spellenberg, 1976; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981; Baker, 1999; Worthington, 1999a]  
 [Records: TX, Culberson Co., Smith Spring, *Burgess* 950 (TTC; GUMO); above Pine Springs Campground, *Correll* 13880 (TEX-LL)]  
 [RDW 27717: UTEP]
- MIMOSA BOREALIS Gray Pink Mimosa; Fragrant Mimosa; Gatuno  
 [*Mimosa fragrans* Gray]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon Ranger Station, *Sanchez* (GUMO)]  
 [RDW 28260: UTEP]
- PETERIA SCOPARIA Gray Rush Peteria  
 [Porter, 1956; Northington & Burgess, 1979; Burgess & Northington, 1981; Lavin & Sousa S. 1995]  
 [Records: TX, Culberson Co., Guadalupe Mts., 1881, *Havard* 51 (GH); Pine Spring Canyon, 21 Jul 1943, *Waterfall* 5240 (GH; MO; NY); lower Pine Canyon, *Warnock* 20837 (SRSC)]  
 [*Worthington s.n.* (UTEP)]
- PHASEOLUS ANGUSTISSIMUS Gray var. ANGUSTISSIMUS Slimleaf Bean; Narrow-leaflet Bean  
 [Gehlbach, 1965]
- PHASEOLUS FILIFORMIS Benth. Slimjim Bean  
 [*Phaseolus wrightii* Gray]  
 [RDW 27937: UTEP; UNM]  
 Note: The collections and observed plants in the area of Sitting Bull Falls and Last Chance Canyon are all perennial plants which suggests taxonomic reconsideration is warranted.
- ?PHASEOLUS MACULATUS Scheele  
 [*Phaseolus metcalfei* Woot. & Standl.]  
 [Burgess & Northington, 1981]  
 Note: The only record is from W of Gray, New Mexico, 18 Sep 1937, *Goodding* A9159 (ARIZ) thought to be the Gray Ranch E of Big Canyon (Burgess & Northington, 1981). I am not inclined to accept this record because Goodding did significant collecting in SW New Mexico where another Gray Ranch is located and the species is known to occur.
- PROSOPIA GLANDULOSA Torr. var. TORREYANA (L. Benson) M. C. Johnst. Mesquite  
 [Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Williams Ranch, *Northington & Burgess* 615 TTC; GUMO)]  
 [RDW 27724: UTEP]
- PROSOPIS PUBESCENS Benth. Tornillo; Screawbean Mesquite  
 [Northington & Burgess, 1979; Burgess & Northington, 1981]

- [Records: TX, Culberson Co., Guadalupe Canyon, 2.9 km S and 2.5 km E top Guadalupe Peak, 5300 ft., *Burgess 2552* (TTC; GUMO)]
- RHYNCHOSIA SENNA Gillies *ex* Hook. var. TEXANA (T. & G.) M. C. Johnst. Texas Senna  
 [*Dolicholus texanus* (Torr. & Gray) Vail]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Gear, 1978; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., 22 mi. SW of Carlsbad on hwy. 62, 14 Aug 1942, *Waterfall 3737* (GH; MO; NY); TX, Culberson Co., Guadalupe Peak, 14 Jul 1945, *McVaugh 7391* (F; MICH); S. McKittrick Canyon, *Burgess 4175* (TTC; GUMO)]  
 [Worthington 27722 (UTEP)]
- ROBINIA NEOMEXICANA Gray New Mexico Locust  
 [McVaugh, 1952; Gehlbach, 1965; Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]
- SENNA BAUHINIOIDES (Gray) Irwin & Barneby Shrubby Senna  
 [Gehlbach, 1965; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]
- SENNA LINDHEIMERIANA (Scheele) Irwin & Barneby Lindheimer Senna  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Burgess 1433* (TTC; GUMO); NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington 32876* (UTEP)]  
 [RDW 27898: UTEP; RSA-POM] [GUMO]
- SENNA ROEMERIANA (Scheele) Irwin & Barneby Two-leaved Senna  
 [Wooton & Standley, 1915; Gehlbach, 1965; Isely, 1975; Van Devender, 1977; Burgess & Northington, 1981; Worthington, 1999a]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess 4541* (TTC; GUMO)]  
 [RDW 27682: UTEP]
- SOPHORA GYPSOPHILA Turner & Powell var. GUADALUPENSIS Turner Guadalupe Mountain Laurel & Powell  
 [Riskind, 1974; Northington, 1976; Northington, Morey and Van Devender, 1977; Northington & Burgess, 1979; Burgess & Northington, 1981; Isely, 1981]  
 [Records: TX, Culberson Co., Dog Canyon, *Reisch* (TEX-LL), *Warnock 22817* (TEX-LL)]  
 [Sivinski 4271: UNM] [RDW 27665: UTEP]  
 Note: Isely (1981) reports this species is so similar to *Sophora arizonica* that the only easy distinction is range.
- SOPHORA NUTTALLIANA Turner White Loco  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., near top of Guadalupe Mts., *Waterfall 4500* (TEX-LL); mouth of Pine Canyon, *Correll & Johnston 22010* (TEX-LL)]  
 [RDW 28275: UTEP]
- SOPHORA SECUNDIFLORA (Ort.) DC. Texas Laurel  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977, 1980; Northington & Burgess, 1979; Burgess & Northington, 1981; Isely, 1981, mapped]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess 4513* (TTC; GUMO)]  
 [RDW 27730, 28142: UTEP; CHSC]
- ?STROPHOSTYLES LEIOSPERMA (Torr. & Gray) Piper Slick Seed Wildbean  
 [*Phaseolus pauciflora* Benth.; *Strophostyles pauciflora* (Benth.) S. Wats.]  
 [Wooton & Standley, 1915]  
 Note: I think it is probable that this report is based on a misidentification.
- VICIA AMERICANA Muhl. American Vetch  
 ssp. AMERICANA  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Devil=s Den, *Burgess 3239* (TTC; GUMO)]  
 ssp. MINOR  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., The Bowl, *Northington 430* (TTC; GUMO)]

VICIA LUDOVICIANA Nutt. ssp. LUDOVICIANA Slim Vetch; Louisiana Vetch; Dearpea Vetch  
 [Vicia exigua Nutt. in Torr. & Gray]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Canyon, *Burgess* 3175 (TTC; GUMO); South McKittrick Canyon, *Warnock & Johnston 16471* (TEX-LL)]  
 [RDW 28146: UTEP]

## FAGACEAE

## Beech Family

- QUERCUS GAMBELII Nutt. Gambel Oak  
 [Rydberg, 1901; Tucker, 1961; Gehlbach, 1965; Fletcher, 1980a; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Mts. 1881, *Havard* (Rydberg, 1901, as *Q. utahensis*); above McKittrick Canyon, *Muler 8265* (TEX-LL)]  
 [Records: TX, Culberson Co., Hunter Peak Trail, *Sanchez* (GUMO)]
- QUERCUS GRISEA Liebm. Gray Oak  
 [Wootton & Standley, 1915; Tucker, 1961; Gehlbach, 1965; Fletcher, 1980a; Burgess & Northington, 1981; Knight, 1992; ]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO); near Frijole Ranch, *Burgess* 983 (TTC; GUMO); Bear Canyon Trail, *Burgess* 5082 (TEX-LL)]
- QUERCUS MOHRIANA Buckl. Mohrs Oak  
 [Tucker, 1961; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO); Pine Spring Canyon, *Powell & Powell* 3827(TEX-LL); near Pine Spring, *Young* (TEX-LL)]
- QUERCUS MUHLENBERGII Engelm. Chinkapin Oak  
 [Hershey, 1940; Tucker, 1961; Gehlbach, 1965; Fletcher, 1979, 1980a, 1980b; Burgess & Northington, 1981; Knight, 1992; Baker, 1999]  
 [Records: TX, Culberson Co., ridge above McKittrick Canyon, *Muller 8260* (TEX-LL); South McKittrick Canyon, *Warnock 11928* (TEX-LL); NM, Eddy Co., Sitting Bull Palls, *Ferguson 317* (UTEP; UCR)]  
 RDW 27970: UTEP; UCR][Tucker 3115: ?][GUMO]
- QUERCUS OBLONGIFOLIA Torr.  
 [Records: TX, Culberson Co., Pratt Cabin, *Gehlbach* (GUMO)]
- QUERCUS PUNGENS Liebm. Scrub Oak; Sandpaper Oak  
 [*Quercus undulata* O. Sperry vars. *vaseyana* and *pungens*]  
 [Rydberg, 1901; Wootton & Standley, 1915; Gehlbach, 1965; Spellenberg, 1976; Van Devender, 1977; Fletcher, 1980a; Vab Devender, 1980; Burgess & Northington, 1981; Hayes, 1988; Baker, 1999]  
 [Records: TX, Culberson Co., Guadalupe Mts., 1881, *Havard* 66, 67 (US); McKittrick Canyon, *Sanchez* (GUMO); Bear Canyon Trail, *Northington* 459 (TTC; GUMO); foothills of Guadalupe Mts. in Cherry Canyon, *Warnock 13963* (TEX-LL)]  
 [RDW 28052: UTEP; UCR] [GUMO]  
 Note: Tucker (1961) reports that within the Guadalupe Mts. hybridization of *Q. gambelii* with any of a number of other oak species (incl. *grisea*, *mohriana* and *muhlenbergii*) produces an oak that is often called *Q. undulata*.

## FOUQUIERIACEAE

## Ocotillo Family

- FOUQUIERIA SPLENDENS Engelm. ssp. SPLENDENS Ocotillo  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981; Heil & Brack, 1985; Spellenberg & Wootton, 1999]  
 [Records: TX, Culberson Co., between Shumard Canyon and Williams Ranch, *Northington* 621 (TTC; GUMO)][RDW 28189: UTEP]

## FUMARIACEAE

## Fumitory Family

- CORYDALIS AUREA Willd. Scrambled Eggs; Golden Corydalis  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., McKittrick Canyon, *Burgess* 1274 (TTC; GUMO); upper Dog Canyon, *Northington* 344 (TTC; GUMO); Pine Canyon, *Correll & Hanson* 29787 (TEX-LL)]  
[RDW 28125: UTEP]  
Note: Burgess & Northington (1981) report vars. *aurea* and *occidentalis* in the area.
- CORYDALIS CURVISILIQUA Engelm. Scrambled Eggs  
[Burgess & Northington, 1981]

## GARRYACEAE

## Silk Tassel Family

- GARRYA OVATA Benth. ssp. GOLDMANII (Woot. & Standl.) Dahling Eggleaf Silktassel  
[*Garrya goldmanii* Wooton & Standley]  
[Wooton & Standley, 1913, 1915; Fletcher, 1979, 1980a, 1980b]  
[Records: TX, Culberson Co., head of Bear Canyon, *Burgess* 3610 (TTC, GUMO); South McKittrick Canyon, *Correll & Correll* 26051 (TEX-LL), *Warnock* 12061 (TEX-LL); Pine Springs, *Whitehouse* 8686 (TEX-LL)]  
[RDW 27704: UTEP][Bailey 452: US (type)]  
Note: The type locality for this subspecies is Queen.
- GARRYA WRIGHTII Torr. Wright Silktassel  
[Gehlbach, 1965]  
[Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO)]

## GENTIANACEAE

## Gentian Family

- CENTAURIUM ARIZONICUM (Gray) Heller  
[*Centaurium calycosum* (Buckl.) Fern. var. *arizonicum* (Gray) Tidestrom]  
[Turner, 1993, mapped]  
[Records: TX, Culberson Co., Choisy Spring below Frijole, *Warnock* 23595 (TEX-LL)]
- CENTAURIUM BREVIFLORUM (Shinners) Turner  
[*Centaurium calycosum* (Buckley) Fern. var. *breviflorum* Shinners]  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., S base Stagecoach Hill, *Burgess* 3146 (TTC; GUMO)]
- EUSTOMA EXALTATUM (L.) Salisb. ex G. Don Prairie Gentian  
[Gehlbach, 1965]
- GENTIANA AFFINIS Griseb. Bigelow Gentian  
[*Gentiana bigelovii* Gray]  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., N of Burned Cabin, *Burgess* 1690 (TTC; GUMO); The Bowl, *Wauer* 5487 (TEX-LL)]
- SWERTIA RADIATA (Kell.) Kuntze Deerears; Elkweed; Green Gentian  
[*Frasera speciosa* D. Douglas ex A. Grisebach]  
[Riskind, 1974; Northington & Burgess, 1979; Fletcher, 1979, 1980a, 1980b; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., ridge on Geology Trail, *Hougham* (GUMO); North McKittrick Canyon, *McVaugh* 7399 (TEX-LL); Smith Canyon, *McVaugh* 7429 (TEX-LL); South McKittrick Canyon, *Warnock* 12075 (TEX-LL)][RDW 29972: UTEP]

## GERANIACEAE

## Geranium Family

- ERODIUM CICUTARIUM (L.) L=Her. Alfilerillo  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park near HQ, *Burgess* 4509 (TTC; GUMO)]  
 [RDW 28186: UTEP] [GUMO]
- ERODIUM TEXANUM Gray Texas Filaree; Texas Heronbill  
 [Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., CCNP near sewage ponds, *Sutherland* (NMC)]  
 [RDW 28130: UTEP] [GUMO]
- GERANIUM CAESPITOSUM James Tufted Geranium; Crane=s Bill; Purple Geranium  
 [Burgess & Northington, 1981]  
 [[Records: TX, Culberson Co., The Bowl, *Hougham* (GUMO); McKittrick Canyon, *Young* (TEX-LL);  
 Pine Springs to The Bowl, *Powell & Powell* 3883 (TEX-LL); NM, Eddy Co., Devil's Den Canyon,  
*Brunt* (NMC)]  
 [RDW 28642: UTEP] [RDW 30172: UTEP]

## GROSSULARIACEAE

- RIBES MESCALERIUM Cov. Mescalero Gooseberry, Southwestern Black Current  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Burgess* 3374 (TEX-LL), *Warnock* 12013  
 (TEX-LL); Pine Top Mountain, *Warnock & Turner* 149 (TEX-LL)]

## HYDROPHYLLACEAE

## Waterleaf Family

- NAMA CARNOSUM C. L. Hitchc. Sand Nama  
 [Northington & Burgess, 1979; Burgess & Northington, 1981; Spellenberg & Wootton, 1999]  
 [Records: TX, Culberson Co., top of Gyp Mtn., *Burgess* 3767 (TTC; GUMO)]  
 [Spellenberg 12503: NMC]
- NAMA DICHOTOMUM (R. & P.) Choisy Wishbone Fiddleleaf  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Young* (TEX-LL)]  
 [RDW 28642: UTEP; UCR][RDW 30146: UTEP]
- NAMA HISPIDUM Gray Rough Nama  
 [Gehlbach, 1965; Van Devender, 1977, as *Nama stevensii*; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, *Burgess* 4485 (TTC; GUMO), N slope  
 of Graudalupe Mts., *Higgins* 8585 (NMC); TX, Culberson Co., McKittrick Canyon Ranger Station,  
*Sanchez* (GUMO)]  
 [RDW 27721: UTEP] [GUMO]
- NAMA XYLOPODUM (woot. & Standl.) Hitchc. Cliff Nama  
 [*Marilaunidium xylopodum* Woot. & Standl.]  
 [Wooton & Standley, 1913, 1915; Hitchcock, 1933; Gehlbach, 1965; Riskind, 1974;  
 Van Devender, 1975; Spellenberg, 1976; Northington & Burgess, 1979; Fletcher, 1979,  
 1980a; Burgess & Northington, 1981; Bacon, 1984; Hayes, 1988; Knight, 1992; Worthington,  
 1999b]  
 [Records: TX, Culberson Co., Pine Canyon, *Sikes & Smith* 533 (TEX-LL); *Van Devender*, *s.n.*  
 (UTEP); *Worthington* 27691 (UTEP); Guadalupe Mts., *Havard* 15 2 (GH); Guadalupe Mts.,  
*Moore & Steyermark* 3562 (UC; MO); South McKittrick Canyon, *Correll & Correll* 26085 (TEX-LL);  
 NM, Eddy Co., Sitting Bull Falls, *Bacon* 1853 (TEX-LL); Queen, 31 Jul 1909, *Wooton*, *s.n.*  
 (Type: US); Walnut Canyon, *Burgess* 4512 (TTC; GUMO); Dark Canyon, *Higgins* 7328 (NMC); N of  
 mouth of Pup Canyon, *Spellenberg* 12489 (NMC)]  
 Note: *Nama stevensii* Hitchc. has been collected on gypsum along US 62-180 6 mi. N of  
 the TX-NM line (Bacon, 1984) and should be searched for on gypsum within the Guadalupe



Mountains.

Note: Gehlbach (1965) lists *Nama havardi* Gray which is not known to occur in New Mexico (Allred, 1996).

- PHACELIA CONGESTA Hook. Blue Curles; Spike Phacelia  
[Gehlbach, 1965; Van Devender, 1975, 1977; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Dark Canyon, *Higgins 7330* (NMC); Guadalupe Mts., *Hershey* (NMC); TX, Culberson Co., between Pine Springs and Nickel Creek, *Correll & Wasshausen 27940* (TEX-LL)][GUMO]
- PHACELIA INTEGRIFOLIA Torr. Crenate Leaf Phacelis  
[Gehlbach, 1965, perhaps referring to var. *texana* (Voss) Atwood; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., 2.8 mi. E mouth of Slaughter Canyon, *Burgess 4490* (TTC; GUMO)]
- PHACELIA POPEI Torr. & Gray Pope Phacelia  
[Gehlbach, 1965]
- PHACELIA RUPESTRIS Greene Rock Phacelia  
[Spellenberg, 1976; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Sitting Bull Falls, *Higgins 7365* (NMC), *Spellenberg 4204* (NMC)]  
[RDW 28330; Lambert, 873; Van Devender, s.n.: UTEP]

## JUGLANDACEAE

## Walnut Family

- JUGLANS MICROCARPA Berl. Little Walnut  
[*Juglans rupestris* Engelm. ex Torr.]  
[Wootton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Spellenberg, 1976; Van Devender, 1980, Holocene remains]  
[Records: TX, Culberson Co., McKittrick Canyon, *Young* (TEX-LL); South McKittrick Canyon, *Warnock 18476* (TEX-LL); North McKittrick Canyon, *Correll 13942* (TEX-LL); NM, Eddy Co., Walnut Canyon, *Burgess 4525* (TTC; GUMO); mouth of Dark Canyon, *Wootton* (NMC); Dark Canyon, *Higgins 7354* (NMC); Sitting Bull Falls, *Ferguson 300* (UCR)]  
Note: Burgess & Northington (1981) report only this species for the Guadalupe Mts.

## KRAMERIACEAE

## Rhatany Family

- KRAMERIA ERECTA Wildenow ex Schultes Range Ratany  
[*Krameria parviflora* Benth. va. *glandulosa* (Rose & Painter) Macbr.]  
[Gehlbach, 1965; Van Devender, 1977; Burgess & Northington, 1981; Spellenberg & Wootton, 1999]  
[Records: TX, Culberson Co., Guadalupe Canyon, *Correll & Johnston 21987* (TEX-LL); NM, Otero Co., N of the mouth of Pup Canyon, *Spellenberg 12479* (NMC); Eddy Co., 1.6 mi. NE of Whites City, *Holmgren 6949* (NMC, NY)]
- KRAMERIA GRAYI Rose & Painter White Ratany  
[Gehlbach, 1965; Burgess & Northington, 1981; Heil & Brack, 1984]  
[Records: TX, Culberson Co., foothills of Guadalupe Mts., *Young* (TEX-LL); NM, Eddy Co., Slaughter Canyon, *Burgess 4599* (TTC; GUMO)]
- KRAMERIA LANCEOLATA Torr. Trailing Krameria  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., McKittrick Canyon Ranger Station, *Sanchez* (GUMO); Guadalupe Mts., *Young* (TEX-LL);]  
[RDW 27916: UTEP] [GUMO]

## LAMIACEAE (LABIATAE)

## Mint Family

- AGASTACHE PALLIDIFLORA (Heller) Rydb. ssp. PALLIDIFLORA Lint & Epling  
var. HAVARDII (Gray) Sanders Bill Williams Mountain Giant Hyssop  
[*Agastache pallidiflora* (Heller) Rydb. ssp. *havardii* (Gray) Lint & Epling]

- [Lint & Epling, 1945; Burgess & Northington, 1981; Sanders, 1987]  
 [Records: TX, Culberson Co., Guadalupe Mts., S. McKittrick Canyon, *Burgess* 4266 (TEX-LL), *Sanders* 1266 (UCR); McKittrick Canyon, *Standley* 40563 (US); Devil=s Canyon, *Moore & Steyermark* 3556 (MO); NM, Eddy Co., *Worthington* 30198 (UTEP, NMCR, UNM )]
- HEDEOMA APICULATUM Stewart McKittrick Pennyroyal  
 [Riskind, 1974; Burgess & Northington, 1979; Irving, 1980; Fletcher, 1980a, 1980b; Burgess & Northington, 1981; Turner, 1987; Hayes, 1988; Knight, 1992; Worthington, 1999b]  
 [Records: NM, Eddy Co., N. McKittrick Canyon, *Northington* 849 (TTC; GUMO); Big Canyon, *Dunford* (NMC); Guadalupe Mts., *Goodding* (NMC); TX, Culberson Co., Guadalupe Mts., McKittrick Canyon, 22 Aug 1931, *Moore & Steyermark* 3563 (Type: LA; Isotypes: CAS; DS; GH; MICH; NY; PH); *Worthington* 28572 (UTEP; UCR); *Irving* 804 , 847 (TEX-LL) chromosome count vouchers from McKittrick Canyon - 2n=144]
- HEDEOMA COSTATUM Gray var. PULCHELLUM (Greene) Irving Ribbed Hedeoma  
 [Nelson, 1936; Spellenberg, 1976; Fletcher, 1979, 1980a; Irving, 1980, mapped; Burgess & Northington, 1981]  
 [UTEP: Lambert, 892= Van Devender, s.n.]; [GUMO]  
 [Records: NM, Eddy Co., brushy hillside near Carlsbad Caverns, 6 Apr 1930, *Convis* 6 (RM-type of *Hedeoma convisae* A. Nelson); Carlsbad Caverns Natl. Park, Yucca Canyon Trail, *Burgess* 4498 (TTC; GUMO); Queen, *Wooton* (NMC); Sitting Bull Falls, *Spellenberg* 4213 (NMC), *Ferguson* 324 (UTEP; UCR); Guadalupe Mts., *Hershey* (NMC); TX, Culberson Co., North Fork of McKittrick Canyon, *Irving* 615 (TEX-LL); Pine Top Mtn., *Irving* 617 (TEX-LL)]
- HEDEOMA DRUMMONDII Benth. var. EDWARDSIANA Drummond Hedeoma  
 [Gehlbach, 1965; Burgess & Northington, 1981; Turner, 1994]  
 [Records: TX, Culberson Co., South McKittrick Canyon, *Warnock* 20065 (TEX-LL); McKittrick Canyon, *Irving* 779 (TEX-LL)]  
 [RDW 27678: UTEP] [GUMO]  
 Note: Burgess and Northington (1981) report vars. *drummondii* and perhaps *serpyllifolium* in the area.
- HEDEOMA NANA (Torr.) Briq. var. NANA Low False Pennyroyal  
 [Gehlbach, 1965; Van Devender, 1977; Burgess & Northington, 1981; Spellenberg & Wootton, 1999]  
 [Records: TX, Culberson Co., Stagecoach Hill, *Burgess* 3149 (TTC; GUMO)]  
 [Spellenberg 12479: NMC] [GUMO]
- HEDEOMA PLICATUM Torr. Veiny Hedeoma  
 [Wooton & Standley, 1915; Gehlbach, 1965]
- HEDEOMA REVERCHONII (Gray) Gray var. SERPYLLIFOLIA Reverchon=s False Pennyroyal  
 (Small) Irving  
 [Irving, 1976, 1980]  
 [Records: NM, Eddy Co., Carlsbad Caverns National Park, Irving 806 (TEX-LL, chromosome count voucher - 2n=34); Otero Co., N of the mouth of Pup Canyon, *Spellenberg* 12479 (NMC)]
- MARRUBIUM VULGARE L. Horehound  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Marcus Cabin near Coyote Peak, *Burgess* 1695 (TTC; GUMO); NM, Eddy Co., Queen, *Wooton* (NMC)]  
 [UTEP: Lambert, 866] [RDW 27960: UTEP]
- MENTHA SPICATA L. Spearmint  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Hougham* (GUMO)]  
 [RDW 27843: UTEP; UCR]
- MONARDA FISTULOSA L. var. MENTHIFOLIA R. Graham) Fernald Mintleaf Beebalm  
 [Scora, 1967; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Moore & Steyermark* 3645 (PH); GUMO]
- PHYSOSTEGIA VIRGINIANA (L.) Benth. ssp. PRAEMORSA (Shinners) Cantino Obedient Plant  
 [Lundell, 1959; Burgess & Northington, 1981; Cantino, 1982; Worthington, 1999b]  
 [RDW 28610: UTEP; UCR (Big Canyon)][Champline 734: US (Cottonwood Canyon)]

- [Goodding s.n.: US (Big Canyon)][Wendt & Lott 2126: GH (Big Canyon)]  
 [TX, Culberson Co., McKittrick Canyon, *Warnock 9426* (TEX-LL, BRIT), *Powell 5310* (TEX-LL)]  
 [?(illegible) :TEX-LL (McKittrick Canyon, TX, Acommon@)]  
 Note: This species has been documented from North and South Forks of Big Canyon,  
 Cottonwood Canyon and Devil=s Den Canyon in the New Mexico part of the Guadalupe  
 Mts. It has also been collected in McKittrick Canyon.
- SALVIA FARINACEA Benth. Mealycup Sage  
 [Gehlbach, 1965; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO), *Northington 528*  
 (TTC; GUMO), *Young* (TEX-LL)]  
 [RDW 28611: UTEP; UCR] [GUMO]
- SALVIA HENRYI Gray Henry Sage  
 [Gehlbach, 1965]
- SALVIA LYCIOIDES Gray Canyon Sage  
 [Gehlbach, 1965; Spellenberg, 1976; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near Upper Sloth Cave, *Burgess 2421* (TTC; GUMO); upper Pine  
 Springs Canyon, *Turner 144 & Warnock* (TEX-LL)]  
 [RDW 27806, 27895: UTEP]
- ?SALVIA PINGUIFOLIA (Fern.) Woot. & Standl. Rock Sage  
 [Gehlbach, 1965]  
 Note: Probably not a part of the flora because a Gehlbach collection at GUMO identified as such  
 is actually *Aloysia wrightii*.
- SALVIA REFLEXA Hornem. Rocky Mountain Sage  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., small canyon SW Nipple Hill, *Burgess 1013* (TTC; GUMO); Pine  
 Springs Camp, *Correll 13878* (TEX-LL)]  
 [RDW 27902: UTEP; RSA-POM] [RDW 28641: UTEP; UCR]
- SALVIA SUBINCISA Benth. Sawtooth Sage  
 [Wooton & Standley, 1915]
- SALVIA SUMMA A. Nels. Mountain Sage; Supreme Sage  
 [Nelson, 1931; Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981;  
 Walker & Elisens, 2001]  
 [NM, Eddy Co., Carlsbad Caverns, May 1930, *Convis 59* (RM-type); North Rocky Arroyo,  
 20 mi. W of Carlsbad, 27 May 1997, *Walker 2147* (OKLA); Carlsbad Caverns Natl. Park, Yucca  
 Canyon Trail, *Burgess 4499* (TTC; GUMO); Sitting Bull Falls, *Higgins 7369* (NMC); Middle Rocky  
 Arroyo, *Fletcher 3811* (NMC); Rocky Arroyo, *Spellenberg 5456* (NMC); TX, Culberson Co.,  
 McKittrick Canyon, *Freemen* (UTEP); McKittrick Canyon, 30 Apr 1961, *Warnock 18244* (SRSC);  
 Bear Canyon, 26 May 1979, *Warnock 21601* (SRSC); Pine Spring Campground, 27 Oct 1996, *Walker*  
 1964 (OKLA); Goat Spring, 29 May 1997, *Walker 2157* (OKLA); Pine Spring, 1 May 1971, *Weston*  
 86 (SRSC)][UTEP: Lambert, 852; Van Devender, s.n.]  
 [RDW 28614: UTEP]
- SALVIA TEXANA (Scheele) Torr. Texas Sage  
 [Gehlbach, 1965]  
 [Dittmer s.n.: UNM]
- SCUTELLARIA BRITTONII Porter Britton=s Skullcap  
 [Epling, 1939; Olmstead, 1990]  
 [Records: NM, Eddy Co., Carlsbad Caverns, *Nelson 11372* (GH; MO; NY; PH; RM; UC)]
- SCUTELLARIA DRUMMONDII Benth. var. EDWARDSIANA Turner Drummond Skullcap  
 [Gehlbach, 1965; Burgess & Northington, 1981; Turner, 1994, mapped]  
 [Records: NM, Eddy Co., Carlsbad Caverns Natl. Park, Yucca Canyon Trail, *Burgess 4491*  
 (TTC; GUMO); CCNP, *Sutherland 6997* (NMC)]  
 [RDW 28266, 28179, UTEP; Van Devender, s.n.; UTEP]
- SCUTELLARIA POTOSINA Brandegees ssp. POTOSINA var. TESSELLATA Mexican Skullcap  
 (Epling) Turner  
 [Burgess & Northington, 1981; Turner 1994, mapped]

- [RDW 28179.5: UTEP]  
 TEUCRIUM CUBENSE Jacq. Germander  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [RDW 28167: UTEP] [GUMO]  
 TEUCRIUM LACINIATUM *t*ORR.  
 [Records: TX, Culberson Co., between Smith Spring and Manzanita Spring, *Burgess* 961  
 (TTC; GUMO), *Powell* 5427 (TEX-LL); mouth of Pine Canyon, *Young* (TEX-LL)]  
 TRICHOSTEMA ARIZONICUM A. Gray  
 [Correll & Johnston, 1970]

## LINACEAE

## Flax Family

- LINUM ARISTATUM Engelm. Awnwd Flax  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 LINUM AUSTRALE Heller  
 var. AUSTRALE  
 [Burgess & Northington, 1981]  
 var. GLANDULOSUM C. Rogers  
 [Burgess & Northington, 1981]  
 LINUM BERLANDIERI Hook. var. BERLANDIERI Berlandier=s Yellow Flax  
 [*Linum rigidum* Pursh var. *berlandieri* (Hook.) Torr. & Gray]  
 [Wooton & Standley, 1915; Rogers, 1964, mapped in the Texas part; Burgess &  
 Northington, 1981; Worthington, 1999a]  
 [Records: NM, Eddy Co., Queen, *Wooton* (NMC); Guadalupe Mts., *Wooton* (NMC)]  
 [RDW 28168: UTEP] [Lambert, 906: UTEP]  
 LINUM HUDSONIOIDES Planchon Texas Flax  
 [Rogers, 1963]  
 [NM, Eddy Co., *Ripley & Barneby* 2593 (NY)]  
 LINUM LEWISII Pursh var. PRATENSIE Nort. Blue Flax  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., .7 mi. E top of Guadalupe Peak, *Burgess* 1057 (TTC; GUMO)]  
 [RDW 28254: UTEP]  
 LINUM PUBERULUM (Engelm.) Heller Plains Flax  
 [Rogers, 1964, 1968; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Canyon, *Correll & Johnston* 22001 (TEX-LL)]  
 LINUM RIGIDUM Pursh var. FILIFOLIUM (Shinners) Rogers Stiffstem Flax  
 [Rogers, 1964, 1968; Burgess & Northington, 1981]  
 LINUM RUPESTRE (Gray) Engelm. Rock Flax  
 [Gehlbach, 1965; Rogers, 1968; Van Devender, 1975, 1977; Spellenberg, 1976; Burgess &  
 Northington, 1981]  
 [Records: NM, Eddy Co., Sitting Bull Falls, *Higgins* 7374 (NMC)]  
 [UTEP: Ferguson, 307] [RDW 27674: UTEP]  
 LINUM SCHIEDEANUM Schlecht. & Cham. Schied Flax  
 [Rogers, 1964, 1968; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., N. McKittrick Canyon, *Northington* 842 (TTC; GUMO); Pine  
 Springs Canyon, *Correll & Correll* 26094 (TEX-LL); Smith Canyon, *Turner & Warnock* 97  
 (TEX-LL); North McKittrick Canyon, *Correll & Johnston* 18478 (TEX-LL)]  
 LINUM VERNALE (Woot.) Small Spring Flax  
 [Rogers, 1964, 1968; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
 [Records: TX, Culberson Co., Choza Spring, *Burgess* 3675 (TTC; GUMO); Pine Springs, *Young*  
 (TEX-LL); Guadalupe Canyon, *Marcks & Marcks* 1306 (TEX-LL); NM, Otero Co., N of the mouth of  
 Pup Canyon, *Spellenberg* 12480 (NMC)]  
 [RDW 28199: UTEP]  
 Note: Baker (1999) reports *Linum aristatum* (#13347) which needs to be reviewed.

## LOASACEAE

## Stick Leaf Family

- CEVALLIA SINUATA Lag. Stingong Cevallia  
[Gehlbach, 1965; Northington & Burgess, 1979; Burgess & Northington, 1981; Spellenberg  
& Wootten, 1999]  
[RDW 30285: UTEP]
- MENTZELIA ASPERULA Wootton & Standl. Roughish Stickleaf  
[Gehlbach, 1965]
- MENTZELIA HUMILIS (Gray) Darl. var. GUADALUPENSIS Spellenb. Gypsum Blazingstar  
[Northington & Burgess, 1979; Spellenberg & Wootten, 1999]  
[Spellenberg & Wootten 12455: NMC (type), NY, TEX-LL, UC, UNM][RDW 30287:  
UTEP, SRSC, UCR]  
Note: The type locality is on the western slope of the Guadalupe Mts. N of the mouth of  
Pup Canyon at about 1460 m. Some other collections are cited that are at NMC and RM.
- MENTZELIA MULTIFLORA (Nutt.) Gray Desert Mentzelia  
[Burgess & Northington, 1981; Spellenberg & Wootten, 1999]  
[Records: TX, Culberson Co., Guadalupe Mts., *Young* (TEX-LL)]  
[Wootton s.n.: NMC][Spellenberg 3660: NMC]
- MENTZELIA OLIGOSPERMA Nutt. *ex* Sims. Chickenthiel; Stickleaf  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., above Smith Spring, *Hougham* (GUMO)]  
[RDW 27728: UTEP]

## MALVACEAE

## Mallow Family

- ABUTILON INCANUM (Link) Sweet Indianmallow  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Whites City, *Worthington 32847* (UTEP)]
- ABUTILON MALACUM S. Wats. Yellow Abutilon  
[Gehlbach, 1965; Burgess & Northington, 1981]
- ABUTILON PARVULUM Gray Littleleaf Abutilon  
[Gehlbach, 1965; Burgess & Northington, 1981]
- ALLOWISSADULA HOLOSERICEA (Scheele) D. Bates Chisos Mountain False Indianmallow  
[Records: TX, Culberson Co., McKittrick Canyon, *Burgess 1614* (TEX-LL); NM, Eddy Co.,  
1.5 mi. NE of Whites City, *Worthington 32875* (UTEP)]  
[RDW 28672: UTEP]
- ANODA CRISTATA (L.) Schlecht. Crested Anoda  
[RDW 28022: UTEP, UCR]
- HIBISCUS DENUATUS Benth. Rock Hibiscus  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., S of Stagecoach Hill, *Burgess 2514* (TTC; GUMO)]
- MALVA NEGLECTA Wallroth Common Mallow  
[RDW 27712: UTEP]
- RHYNCHOSIDA PHYSOCALYX (Gray) Fryxell Spear-leaf Sida  
[*Sida physocalyx* Gray]  
[Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Whites City, *Worthington 32736* (UTEP)]
- SIDA ABUTIFOLIA Mill. Spreading Sida  
[*Sida filicaulis* Torr. & Gray]  
[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., lower McKittrick Canyon, *Burgess 4172* (TTC; GUMO)]  
[RDW 27719: UTEP]

- SIDA LONGIPES Gray Stalkflower Sida  
 [Warnock, 1974]  
 Note: This species is not vouchered for New Mexico.
- SIDA NEOMEXICANA Gray New Mexico Sida  
 [Gehlbach, 1965]
- SPHAERALCEA ANGUSTIFOLIA (Cav.) D. Don Narrowleaf Globemallow  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975; La Duke, 1981]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess* 4586 (TTC; GUMO); TX, Culberson Co., Guadalupe Mts., 14 Aug 1947, *Waterfall* 7754(GH; NY; MO); near Pine Springs, *Young* (TEX-LL); South McKittrick Canyon, *Powell & Powell* 3865 (TEX-LL)]
- SPHAERALCEA COCCINEA (Pursh) Rydb. Scarlet Globemallow  
 [Gehlbach, 1965; Fletcher, 1979; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]  
 [Spellenberg 12476: NMC][RDW 30286: UTEP]
- SPHAERALCEA DIGITATA (Greene) Rydb. Juniper Globemallow  
 [Burgess & Northington, 1981]
- SPHAERALCEA FRNDLERI Gray Fendler Globemallow  
 [Burgess & Northington, 1981; La Duke, 1981]  
 [Records: TX, Culberson Co., Bone Canyon, 26 May 1975, *Burgess* 3303 (ARIZ); upper Dog Canyon, *Burgess* 3843 (TTC; GUMO)]
- SPHAERALCEA HASTATULA Gray Wrinkled Globemallow  
 [*Sphaeralcea subhastata* Coult.]  
 [Gehlbach, 1965]
- SPHAERALCEA INCANA Torr. Soft Globemallow  
 [Wooton & Standley, 1915; Burgess & Northington, 1981]
- SPHAERALCEA LEPTOPHYLLA (Gray) Rydb. Scaly Globemallow  
 [Gehlbach, 1965; Burgess & Northington, 1981; Sivinski, 1999]  
 [Records: TX, Culberson Co., near Manzanita Spring, *Hougham* (GUMO); 12 mi. SW of TX-NM state line, *Warnock* 6349 (TEX-LL); Guadalupe Canyon, *Correll & Johnston* 21998 (TEX-LL); NM, Eddy Co., Sitting Bull Falls, *Ferguson* 302 (UTEP; UCR)]  
 [RDW 28276: UTEP]

## MONOTROPACEAE

## Indian Pipe Family

- MONOTROPA HYPOPITHYS L. Pinesap  
 [*Monotropa latisquama* (Rydb.) Hult.]  
 [Correll, 1965; Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., left fork of Smith Canyon, 17 Jul 1945, *McVaugh* 7430 (BRIT); The Bowl, 29 Aug 1950, *Fischer* (BRIT); GUMO; *Worthington* 30130 (UTEP; SRSC; CHSU); *Worthington* 30185 (UCR)]
- PTEROSPORA ANDROMEDEA Nutt. Pinedrops  
 [Correll & Johnston, 1970; Burgess & Northington, 1981]

## MORACEAE

## Mulberry Family

- FICUS CARICA L. Edible Fig  
 [RDW 30187: UTEP]  
 Note: One plant survives below the old ranch site where Sitting Bull Canyon joins Last Chance Canyon.
- MORUS MICROPHYLLA Buckl. Texas Mulberry  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1975, 1977, 1980; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Devil=s Den Canyon, *Gehlbach* (GUMO); NM, Eddy Co., Queen, *Wooton* (NMC)]  
 [RDW 27954: UTEP UCR]

## NYCTAGINACEAE

## Four O=Clock Family

- ABRONIA ANGUSTIFOLIA Greene Narrowleaf Sandverbena  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., base of Signal Peak, *Lee 68* (TEX-LL)]
- ACLEISANTHES LONGIFLORA Gray Angel Trumpet  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess  
 & Northington, 1981]  
 [Records: NM, Eddy Co., Whites City, *Worthington 32853* (UTEP)]
- ALLIONIA CHOISYI Standl. Smooth Umbrella-wort  
 [Burgess & Northington, 1981; Turner, 1994, mapped]  
 [Records: Pine Spring, 12 Sep 1916, *Young* (TEX-LL)]
- ALLIONIA INCARNATA L. var. INCARNATA Trailing Four O=Clock; Umbrella-wort  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981;  
 Turner, 1994, mapped; Spellenberg & Wootten, 1999]
- AMMOCODON CHENOPODIOIDES (Gray) Standl. Goosefoot Moonpod  
 [Burgess & Northington, 1981]  
 [Records: Guadalupe Mts., 17 Sep 1916, *Young* (TEX-LL)]
- ANULOCAULIS LEIOSOLENUS (Torr.) Standl. var. HOWARDII Spellenberg. Southwestern Ringstem  
& Wootten  
 [Spellenberg & Wootten, 1999]  
 [Spellenberg, Wootten & Howard 12433: NMC (type); NY; TEX-LL; UNM][RDW 30288:  
 UTEP, SRSC, UCR]  
 Note: This variety is endemic to the western slope of the Guadalupe Mts. just N of Pup  
 Canyon. Additional collections are cited from this area that are at NMC, UC and ARIZ.
- BOERHAVIA COCCINEA Mill. Scarlet Spiderling  
 [Van Devender, 1977]  
 [RDW 27929: UTEP; RSA-POM]
- BOERHAVIA INTERMEDIA Jones Spreading Spiderling  
 [Gehlbach, 1965; Burgess & Northington, 1981]
- BOERHAVIA LINEARIFOLIA Gray Narrowleaf Spiderling  
 [*Boerhaavia tenuifolia* Gray]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Van Devender, 1977; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., mouth of Rattlesnake Canyon, *Hougham* (GUMO); Foothills of the  
 Guadalupe Mts., *Wooton* (NMC); TX, Culberson Co., McKittrick Canyon, *Hougham* (GUMO);  
 B elow McKittrick Canyon, *Correll & Johnston 19129* (TEX-LL)]  
 [RDW 27896: UTEP; RSA-POM]
- BOERHAVIA TENUIFOLIA Gray Wirestem Spiderling  
 [Gehlbach, 1965]
- CYPHOMERIS GYPSOPHILOIDES (Mart. & Gal.) Standl. Red Cyphomeris  
 [Warnock, 1974; Van Devender, 1975; Van Devender, 1980, Holocene remains; Burgess  
 & Northington, 1981]  
 [Records: TX, Culberson Co., Pine Top Trail, *Hougham* (GUMO); mouth of McKittrick Canyon,  
*Correll & Correll 26037* (TEX-LL); NM, Eddy Co., 5 mi. S of Sitting Bull Falls, *Higgins*  
*6741* (NMC); Slaughter Canyon, *Ward* (NMC); 1.5 mi. NE of Whites City, *Worthington 32871*  
 (UTEP)]  
 [RDW 27942: UTEP][Sivinski 4430: UNM, UTEP]
- MIRABILIS ALBIDA (Walt.) Heimerl  
 [*Mirabilis oblongifolia* (Gray) Heimerl]  
 [Burgess & Northington, 1981; Turner, 1993, mapped]  
 [Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess 4255* (TTC; GUMO)]  
 [RDW 28624: UTEP][RDW 30175: UTEP]
- MIRABILIS LINEARIS (Pursh) Heimerl Linearleaf Four O=Clock  
 [Gehlbach, 1965; Burgess & Northington, 1981; Turner, 1993, mapped; Spellenberg &

Wootten, 1999]

[Records: TX, Culberson Co., McKittrick Canyon, *Warnock 9444* (TEX-LL); Guadalupe Canyon, *Warnock 23491, 6331* (TEX-LL)]

[RDW 27891: UTEP][Spellenberg 12506: NMC]

Note: I am using the broader interpretation of this variable taxon.

MIRABILIS MULTIFLORA (Torr.) Gray var. MULTIFLORA Colorado Four O=Clock

[Gehlbach, 1965; Burgess & Northington, 1981]

[Records: TX, Culberson Co., Pine Springs, *Hougham* (GUMO); mouth of Pine Springs Canyon, *Burgess 2355* (TTC; GUMO; Pine Springs Canyon, *Correll 26516* (TEX-LL)]

[RDW 28016: UTEP]

MIRABILIS OXYBAPHOIDES (Gray) Gray Smooth Spreading Four O=Clock

[Gehlbach, 1965; Burgess & Northington, 1981; Spellenberg & Rodriguez Tijerina, 2001]

[Records: TX, Culberson Co., Shumard Canyon, 29 Sep 1973, *Burgess* (ASU); Bear Canyon Trail to Bowl, 16 Sep 1974, *Burgess* (ARIZ); Pine Springs Canyon, *Correll & Correll 26098* (TEX-LL); top of Signal Peak, *Young* (TEX-LL)]

[RDW 28076: UTEP; UCR; RSA-POM][RDW 28636: UTEP; UCR]

NYCTAGINEA CAPITATA Choisy Scarlet Muskflower

[Van Devender, 1977]

SELINOCARPUS LANCIOLATUS Woot. var. LANCEOLATUS Gyp Moonpod

[Northington & Burgess, 1979; Burgess & Northington, 1981; Spellenberg & Wootten, 1999]

[Spellenberg 12452, 12499: NMC]

## OLEACEAE

## Olive Family

FORESTIERA PUBESCENS Nutt. Tanglebush; Elbowbush; Cruzilla

[*Forestiera neomexicana* Gray]

[Wooton & Standley, 1915; Gehlbach, 1965; Riskind, 1974; Northington & Burgess, 1979; Fletcher, 1979, 1980a]

[Records: TX, Culberson Co., South McKittrick Canyon, *Correll & Hanson 29802* (TEX-LL); West Dog Canyon, *Warnock 12049* (TEX-LL); NM, Eddy Co., Dark Canyon, *Hess 3229* (NMC)][RDW 27865: UTEP; UCR]

FRAXINUS PENNSYLVANICA Marsh ssp. VELUTINA (Torr.) G. N. Miller Velvet Ash

[*Fraxinus velutina* Torr.]

[Gehlbach, 1965; Burgess & Northington, 1981]

[Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO); South McKittrick Canyon, *Muller 8277* (TEX-LL); Pine Canyon, *Young* (TEX-LL)]

MENODORA DECEMFIDA (Gill) Gray var. LONGIFOLIA Steyererm.

[Burgess & Northington, 1981]

Note: Collections are reported to have been made on the west escarpment and in the Patterson Hills (Burgess & Northington, 1981)]

MENODORA LONGIFLORA Gray Showy Menodora

[*Menodoropsis longiflora* (Gray) Small]

[Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Burgess & Northington, 1981; Turner, 1991, mapped; Baker, 1999]

[Records: TX, Culberson Co., McKittrick Canyon, *Hougham* (GUMO), *Northington* (TTC; GUMO); upper Dog Canyon, *Burgess 1504* (TEX-LL); NM, Eddy Co., Guadalupe Mts., *Hershey* (NMC); Queen, *Wooton* (NMC)]

[RDW 27731: UTEP] [Baker, 13354]

MENODORA SCABRA Gray Rough Menodora

[Burgess & Northington, 1981; Turner, 1991, mapped; Spellenberg & Wootten, 1999]

[Records: TX, Culberson Co., Signal Peak Housing, *Hougham* (GUMO); Guadalupe Canyon, *Marcks & Marcks 1312* (TEX-LL); west escarpment of Guadalupe Mts., *Burgess 3865* (TEX-LL)]

[RDW 27994: UTEP; UCR]

## ONAGRACEAE

## Evening Primrose Family



- CALYLOPHYS HARTWEGII (Benth.) Raven cf. ssp. PUBESCENS Grand Prairie Evening Primrose  
 (Gray) Towner & Raven  
 [*Oenothera greggii* Gray var. *lampasna* (Buckl.) Munz]  
 [Gehlbach, 1965; Towner, 1977; Burgess & Northington, 1981]  
 [[NM: Eddy Co., near three forks of Rocky Arroyo, *Wilken* 1734 (PH; US); 1.5 mi. ENE  
 Of headquarters of Carlsbad Caverns Natl. Park, *Dole* 74 (UC); TX, Culberson Co., 27 mi.  
 SW of White=s City, *Munz & Gregory* 23364 (RSA-POM; UC)][RDW 27927: UTEP]  
 ssp. FENDLERI (Gray) Towner & Raven  
 [Records: NM, Eddy Co., 1.6 mi. NE of Whites City, *Holmgren* 6951 (NMC, NY)]  
 ssp. FILIFOLIUS (Eastw.) Towner & Raven  
 [Burgess & Northington, 1981; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., base of Gyp Mtn., *Burgess* 3778 (TTC; GUMO); NM, Otero Co., N  
 of the mouth of Pup Canyon, *Spellenberg* 12472 (NMC); Eddy Co., Queen, *Wooton* (NMC)]  
 ssp. HARTWEGII  
 [Gregory & Klein, 1960]  
 [Records: NM, Eddy Co., 6 mi. SW of White=s City, *Munz & Gregory* 23357 (RSA-POM)]  
 Note: Towner (1977) does not report typical material of this ssp. from NM but may not have  
 examined the above collection.
- CALYLOPHUS LAVANDULIFOLIUS (Torr. & Gray) Raven Lavenderleaf Primrose  
 [Munz, 1929; Gehlbach, 1965; Towner, 1977  
 [NM, Eddy Co., near three forks of Rocky Arroyo, *Wilken* 1711 (PH); TX, Culberson Co.,  
 25.6 mi. SW of White=s City, *Towner* 24 (DS); Guadalupe Mts., 1881, *Havard* (US); Taylor's  
 Spring, *Young* (TEX-LL)]
- CALYLOPHUS SERRULATUS (Nutt.) Raven  
 [Gregory & Klein, 1960]  
 [Records: NM, Eddy Co., 6 mi. SW White=s City, *Munz & Gregory* 23359 (RSA-POM)]
- CALYLOPHUS TUBICULA (Gray) Raven  
 [*Oenothera tubicula* Gray var. *demissa* Gray; *Galpinsia glandulifera* A. Nels.; *Galpinsia  
 carlsbadiana* A. Nels.]  
 [Munz, 1929; Nelson, 1934, 1936; Towner, 1977; Burgess & Northington, 1981]  
 [TX, Culberson Co., Guadalupe Mts., Oct 1849, *Wright* 197 (part) (Type of *demissa*: GH;  
 Isotype US); near Pine Spring, *Young* (TEX-LL); NM, Eddy Co., vicinity of Carlsbad Caverns, May  
 1930, *Convis* 36 (Type of *glandulifera*: RM); near Carlsbad Caverns Natl. Park, 24 May  
 1931, *Nelson*  
*Ferguson* 298  
 11396 (Type of *carlsbadiana*: RM; Isotypes: DS; NY; RSA-POM); Last Chance Canyon,  
 (UCR)]  
 [Note: Known from an early collection by Wright (Burgess & Northington, 1981)]
- GAURA COCCINEA Nutt.ex Pursh Scarlet Gaura  
 [Gehlbach, 1965; Raven & Gregory, 1972, mapped; Spellenberg, 1976; Van Devender, 1980,  
 Holocene remains; Burgess & Northington, 1981; Worthington, 1999a; Spellenberg & Wootten,  
 1999]  
 [Records: TX, Culberson Co., near Pine Spring, *Young* (TEX-LL); NM, Eddy Co., Guadalupe Mts.,  
*Hershey* (NMC); Sitting Bull Falls, *Ferguson* 305 (UTEP; UCR)]  
 [RDW 27847, 28170: UTEP; UCR; UNM] [RDW 30284: UTEP]
- GAURA MOLLIS James Lizardtail  
 [*Gaura parviflora* Hook.]  
 [Burgess & Northington, 1982]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess* 4590 (TTC; GUMO)]
- GAURA SUFFULTA Engelm. ex Gray ssp. NEALLEYI (Coult.) Raven & Gregory  
 [Munz, 1938; Raven & Gregory, 1972]  
 Records: NM, Eddy Co., Guadalupe Mts., Dark Canyon, *Standley* 40666 (US); TX, Culberson  
 Co., Guadalupe Mts., 1881, *Havard* (US)]
- LUDWIGIA PALUSTRIS (L.) ELL. American Seedbox  
 [Gehlbach, 1965]

- OENOTHERA ALBICAULIS Pursh Pale Evening Primrose; Prairie Evening Primrose  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess* 4528 (TTC; GUMO)]  
 [RDW 28122: UTEP]
- OENOTHERA BRACHYCARPA Gray Shortpod Evening Primrose  
 [Burgess & Northington, 1981]  
 [RDW 28187: UTEP]
- OENOTHERA CAESPITOSA Nutt. ssp. MARGINATA (Nutt.) Munz  
 [Northington & Burgess, 1979; Burgess & Northington, 1981; Wagner, Stockhouse & Klein, 1985]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Moore & Steyermark* 3799 (MO); Pine  
 Top Mtn., *Turner & Warnock* 181 (GH); top of Bush Mtn., *Burgess* 2287 (TTC; GUMO)]  
 Note: Collections have been made only at high elevations (Burgess & Northington, 1981).
- OENOTHERA ELATA Kunth in H.B.K. ssp. HIRSUTISSIMA (Gray ex Wats.) Hooker=s Evening Primrose  
 Dietrich & Wagner  
 [*Oenothera hookeri* Torr. & Gray]  
 [Burgess & Northington, 1981; Dietrich *et al.*, 1997]  
 [Records: TX, Culberson Co., McKittrick Canyon, 30 Aug 1916, *Young* (TEX-LL); NM,  
 Eddy Co., Carlsbad, unknown collector no. 7 (UNM); TX, Culberson Co., Frijole, *Grassl* 173 (MICH)]
- OENOTHERA PALLIDA Lindl. ssp. RUNCINATA (Engelm.) Munz & Klein  
 [Munz, 1931]  
 [Records: TX, Culberson Co., Guadalupe Mts., 1881, *Havard* (US)]
- OENOTHERA PRIMIVERIS Gray Desert Evening Primrose  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., lower W bajada of Guadalupe Mts., *Burgess* 3194 (TTC; GUMO)]  
 [RDW 28139: UTEP]  
 Note: Burgess & Northington (1981) report the species from the lower west bajada NE of  
 Lewis Well.
- OENOTHERA TRILOBA Nutt. Three-lobed Primrose  
 [Burgess & Northington, 1981]  
 Note: This species is not reported as occurring in New Mexico (Allred, 1999). Three  
 collections have been made below the E escarpment in Carlsbad Caverns Natl. Park  
 (Burgess & Northington, 1981).

## OROBANCHACEAE

## Broomrape Family

- CONOPHOLIS ALPINA Liebm. var. MEXICANA (Gray ex Wats.) Haynes Mexican Squaw-Root  
 [McVaugh, 1952; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., The Bowl, *Hougham* (GUMO); South McKittrick Canyon, *Correll &*  
*Johnston* 19174 (TEX-LL)]  
 [RDW 28321: UTEP] [RDW 28925: UTEP, UCR]
- OROBANCHE LUDOVICIANA Nutt. Louisiana Broomrape  
 [*Orobanche cooperi* (Gray) Heller]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Guadalupe Peak Trail, *Hougham* (GUMO)]

## OXALIDACEAE

## Woodsorrel Family

- OXALIS ALBICANS Kunth ssp. ALBICANS Radishroot Woodsorrel  
 [*Oxalis corniculata* L. var. *wrightii* (Gray) Turner]  
 [Spellenberg, 1976]  
 [Records: NM, Eddy Co., Sitting Bull Falls, *Spellenberg* 4203 (NMC); Queen, *Wooton* (NMC)]  
 Note: The Wooton collection is annotated by Denton as *O. dillenii*]
- OXALIS DRUMMONDII Gray Drummond=s Woodsorrel  
 [*Oxalis amplifolia* auct. non (Trel.) Kunth]

[Gehlbach, 1965; Denton, 1973]  
[Records: TX, Culberson Co., near Frijole P. O., 4 Aug 1930, *Grassl* 167 (MICH); Pine Canyon, 15-17 Aug 1924, *Standley* 40592 (US); South McKittrick Canyon, *Burgess* 1295 (TEX-LL); N side of Bush Mtn., *Burgess* 1312 (TEX-LL)] [RDW 27709: UTEP] [RDW30159: UTEP] [RDW 30160: UTEP]

Note: Denton (1973) was tentative in assigning the Guadalupe Mts. collections to this species.

## PAPAVERACEAE

## Poppy Family

- ARGEMONE CHISOSENSIS G. Ownbey Chisos Pricklepoppy  
[Ownbey, 1958, no records from Guadalupe Mts.; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., Pure Well Road, *Burgess* 3340 (TTC; GUMO); 4.6 mi. NE of Pine Spring, *Ownbey & Ownbey* 1740 (TEX-LL)]
- ARGEMONE POLYANTHEMOS (Fedde) G. Ownbey Pricklepoppy  
[Ownbey, 1958, no Guadalupe Mts. Records; Gehlbach, 1965, as *Argemone platyceras* Link & Otto] [RDW 27978: UTEP]
- ARGEMONE SQUARROSA Greene ssp. GLABRATA G. Ownbey  
[Ownbey, 1958; Burgess & Northington, 1981]  
[Records: NM, Eddy Co., Carlsbad Caverns, *Convis* 84 (RM); Black River, dry field, *Standley* 40467 (US); TX, Culberson Co., 11.5 mi. NE of Pine Springs, 11 Aug. 1953, *Ownbey & Ownbey* 1745 (Type-MIN; Isotypes: GH, NY, BRIT, US, TEX-LL)]  
Note: More *Argemone* taxa are listed here than probably occur in the range.

## PHILADELPHACEAE

## Mock Orange Family

- FENDLERIA FALCATA Thornber in Woot. & Standl.  
[*Fendleria rupicola* var. *falcate* (Thornber) Rehder]  
[Turner, 2001]  
[Records: TX, Culberson Co., McKittrick Canyon, *Warnock & Johnston* 16476 (SRSC); Pine Canyon, *Young* (TEX-LL); North McKittrick Canyon, *Correll & Johnston* 18499A (TEX-LL); Pine Top Mountain, *Correll* 13893 (TEX-LL)]
- FENDLERIA WRIGHTII (Engelm. & Gray) Heller Cliff Fendlerbush  
[*Fendleria rupicola* var. *wrightii* Engelm. & Gray; *Fendleria tomentella* Thornb.]  
[Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Fletcher, 1979, 1980a, 1980b; Van Devender, 1980; Burgess & Northington, 1981; Heil & Brack, 1984; Hayes, 1988; Knight, 1992; Turner, 2001]  
Records: TX, Culberson Co., Dog Canyon, *Higgins* 17614 (BRY, NY); NM, Eddy Co., arroyo at Entrance to Carlsbad Caverns Natl. Park, *Sutherland* 6987 (UNM)
- FENDLERELLA UTAHENSIS (Wats.) Heller var. CYMOSA (Greene) K. & P. Utah Fendlerella  
[*Fendlerella cymosa* Greene ex Woot. & Standl.]  
[Wooton & Standley, 1913; Gehlbach, 1965; Burgess & Northington, 1981; Worthington, 1999b]  
[Records: TX, Culberson Co., Upper Sloth Cave, *Burgess* 2432 (TTC; GUMO); North McKittrick Canyon, *Hinckly & Hinckly* 32 (TEX-LL); South McKittrick Canyon, *Warnock* 10975 (TEX-LL)] [RDW 28571: UTEP]
- PHILADELPHUS MEARNsii W. H. Evans ex Rydb. Mearns Mockprange  
[*Philadelphus hitchcockianus* Hu]  
[Hitchcock, 1943; Hu, 1956; Riskind, 1974; Van Devender, 1975, 1977; Spellenberg, 1976; Baker, 1976; Fletcher, 1980a; Van Devender, 1980; Burgess & Northington, 1981; Worthington, 1999b; Frazier, 1999]  
[Records: TX, Culberson Co., above McKittrick Canyon, *Moore & Steyermark* 3477 (Fruit type: A; GH; MO); above Frijole, *Lundell & Lundell* 14394 (TEX-LL); North McKittrick Canyon, *Correll & Johnston* 18492 (TEX-LL); *Lambert* 881 (UTEP); *Van Devender*, s.n. (UTEP); NM, Eddy Co., Carlsbad Caverns, 5 May 1925, *Bailey* s.n. (Flower Type: US); near Three Forks Rocky May 1932, *Wilkins* 1833 (US)]

- PHILADELPHUS MICROPHYLLUS Gray var. MICROPHYLLUS Littleleaf Mockorange  
 [Hu, 1954-1956; Gehlbach, 1965; Fletcher, 1980a; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Moore & Steyermark* (A; GH; MO; NY; US); Pine Top Mtn., *Correll 13905* (TEX-LL); head of Smith Canyon, *Burgess 2124* (TEX-LL); Bear Canyon trail to The Bowl, *Burgess 2664* (TEX-LL); *Worthington 30157* (UTEP; UCR); *Worthington29981*(UTEP);*Worthington30133*(UTEP)]
- ?PHILADELPHUS OCCIDENTALIS A. Nels.  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., top of Bush Mtn., *Hougham* (GUMO); top Guadalupe Peak, *Baker 13087* (GUMO)]
- ?PHILADELPHUS SERPYLLIFOLIUS Gray  
 [Hitchcock, 1943]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Moore & Steyermark 3479* (GH, NY, DS, )]  
 Note: It is not clear if Hu (1954-1956) interpreted this collection to be one of the above.

## PHYTOLACCACEAE

- RIVINA HUMILIS L. Bloodberry; Roughplant; Pigeonberry  
 [Gehlbach, 1965]  
 [Records: NM, Eddy Co., Walnut Canyon, *Gehlbach* (GUMO)]

## PLANTAGINACEAE

## Plantain Family

- PLANTAGO HELLERI Small Heller Plantain  
 [Burgess & Northington, 1981; Worthington, 1999a]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess 4505* (TTC; GUMO)]  
 [RDW 28173; 28274: UTEP]
- PLANTAGO LANCEOLATA L. Buckhorn Plantain; Ribwort  
 [Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Rattlesnake Spring, *Burgess 4595* (TTC; GUMO)]
- PLANTAGO MAJOR L.  
 [Records: TX, Culberson Co., Manzanita Spring, *Worthington 25532* (UTEP; GUMO)]
- PLANTAGO PATAGONICA Jacq. Bristle Bract Plantain; Woolly Plantain  
 [*Plantago purshii* R. & S.]  
 [Warnock, 1974; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., Yucca Canyon Trail, *Burgess 4502* (TTC; GUMO); Walnut Canyon, *Burgess 4543* (TTC; GUMO); TX, Culberson Co., McKittrick Canyon Ranger Station, *Sanchez* (GUMO); Guadalupe Canyon, *Correll & Johnston 22009* (TEX-LL); Signal Peak, *Whitehouse* (TEX-LL)]  
 [RDW 28150: UTEP]
- PLANTAGO RHODOSPERMA Dcne. Redseed Plantain  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., 1.6 mi. N and 2.8 mi. E mouth of Slaughter Canyon, *Burgess 4483* (TTC; GUMO)]  
 [RDW 28133: UTEP]  
 Note: Gehlbach (1965) lists *Plantago wrightiana* Dcne. as occurring in the area, but it has not been substantiated as occurring in New Mexico (Allred, 1996).

## POLEMONIACEAE

## Phlox Family

- GILIA INCISA Benth. Splitleaf Gilia  
 [*Gilia perennans* Shinners]  
 [Shinners, 1963, Texas part; Van Devender, 1975, 1977; Burgess & Northington, 1981; Turner, 1994]

- [Records: TX, Culberson Co., McKittrick Canyon, 18 Aug 1946, *Correll* 13958 (Type of McKittrick Canyon, 31 Aug 1950 *Warnock* 9536 and 3 Aug 1952, *Warnock* 10950 (BRIT); *Worthington* 28300 (UTEP)]
- GILIA INCONSPICUA (Smith) Sweet  
 [Records: TX, Culberson Co., S McKittrick Canyon, 2.4 km S and 1 km W Pratt Lodge, 5500 ft., *Burgess* 3713 (TTC; GUMO)]
- GILIA RIGIDULA Benth. ssp. ACEROSA (Gray) Wherry Marked Gilia; Prickleleaf Gilia  
 [Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981; Turner, 1994]  
 [Records: TX, Culberson Co., McKittrick Canyon Ranger Station, *Sanchez* (GUMO); 3 mi. N of Pine Springs, *Correll & Rollins* 23889 (TEX-LL); NM, Eddy Co., Sitting Bull Falls, *Ferguson* 322 (UTEP; UCR)]  
 [UTEP: Lambert, 893; RDW 28188]
- IPOMOPSIS AGGREGATA (Pursh) V. Grant ssp. FORMOSISSIMA (Greene) Wheery Skyrocket  
 [*Callisteris texana* Greene; *Gilia texana* (Greene) Woot. & Standl.; *Ipomopsis aggregata* var. *texana* (Greene) Shinnery]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981; Grant & Wilken, 1986]  
 [Records: TX, Culberson Co., Guadalupe Mts., Sep 1881, *Havard* (US, type of *Callisteris texana*); Upper Dog Canyon, *Northington & Burgess* 664 (TTC; GUMO); Pine Top Mountain, *Turner & Warnock* 168 (TEX-LL); Pine Spring, *Young* (TEX-LL)]  
 [RDW 28622: UTEP]
- IPOMOPSIS ARIZONICA (Greene) Wherry  
 [Northington & Burgess, 1979]
- IPOMOPSIS LONGIFLORA (Torr.) V. Grant var. NEOMEXICANA Wilkin Whiteflower Ipomopsis  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Upper Dog Canyon, *Northington & Burgess* 664 (TTC; GUMO); foothills of the Guadalupe Mts., *Young* (TEX-LL)]
- IPOMOPSIS PUMILA (Nutt.) V. Grant Low Ipomopsis  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Williams Ranch Rd., *Burgess* 3001 (TTC; GUMO)]  
 Note: Collections are reported from the Salt Basin Watershed (Burgess & Northington, 1981).
- PHLOX MESOLEUCA Greene White Phlox  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 Note: Burgess & Northington (1981) report a collection from West Dog Canyon.
- PHLOX NANA Nutt. Santa Fe Phlox  
 [Gehlbach, 1965]
- PHLOX TRIOVULATA Thurb. ex Torr. Threeseed Phlox  
 [Wooton & Standley, 1915; Fletcher, 1980a; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., 1.6 mi. N and 2.8 mi. E mouth of Slaughter Canyon, *Burgess* 4477 (TTC; GUMO)]  
 [Records: NM, Eddy Co., Queen, *Wooton* (NMC); entrance to CCNP, *Sutherland* 6948 (NMC)]  
 [RDW 27894, 27817; Ferguson 315; Lambert, 908: UTEP]

## POLYGALACEAE

## Milkwort Family

- POLYGALA ALBA Nutt. White Milkwort  
 [Wooton & Standley, 1915; Lewis & Davis, 1962, chromosome count of n=12; Gehlbach, 1965; Fletcher, 1979, 1980a; Burgess & Northington, 1981]  
 [RDW 27854: UTEP; UCR][Lambert, 900, 909: UTEP]  
 [TX, Culberson Co., N. McKittrick Canyon, Lewis 5537 (BRIT); Guadalupe Canyon, *Marcks & Marcks* 1291 (TEX-LL); Signal Peak, *Lee* 75 (TEX-LL); Pine Spring, *Young* (TEX-LL); NM, Eddy Co., Guadalupe Mts., *Hershey* (NMC); Sitting Bull Falls, *Ferguson* 306 (UTEP; UCR)]
- POLYGALA MACARDENIA Gray Glandleaf Milkwort  
 [Wooton & Standley, 1915; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., CCNP near the sewage ponds, *Sutherland* 6949 (NMC)]
- POLYGALA OBSCURA Benth. Veiledseed Milkwort

[*Polygala puberula* Gray]

[Wooton & Standley, 1915; Warnock, 1974]

[Records: TX, Culberson Co., McKittrick Canyon, *Gehlbach* (GUMO)]

Note: This collection needs to be reviewed as it may be *Polygala reducta* Blake.

POLYGALA REDUCTA S. F. Blake.

Narrowleaf Milkwort

[*Polygala longa* Blake)

[Gehlbach, 1965; Spellenberg, 1976; Van Devender, 1977; Burgess & Northington, 1981]

[RDW 27813: UTEP; UCR]

POLYGALA RIMULICOLA Steyerm. var. RIMULICOLA

Rockcrevice Milkwort

[Steyermark, 1932; Hershey, 1940; Riskind, 1974; Northington & Burgess, 1979;

Burgess & Northington, 1981; Wendt & Todsens, 1982; Hayes, 1988; Worthington, 1999b]

[Records: NM, Eddy Co., (T25S, R23E, S. 36, SE 1/4), *Dunford* 1538 (NMC, GUMO); Guadalupe Mts., *Hershey* (NMC); TX, Culberson Co., Smith Canyon, 20 Jul 1931, *Moore & Steyermark* 3515 (Type: GH, Isotypes: CAS; NY; UC; US); Bear Canyon, *Baker* 13093 (GUMO); S. McKittrick Canyon, *Northington* 811 (TTC; GUMO)]

POLYGALA SCOPARIOIDES Chod.

Broom Milkwort

[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]

[Records: TX, Culberson Co., Guadalupe Mts., *Young* (TEX-LL); NM, Eddy Co., 5 mi. S Sitting Bull Falls, *Higgins* 6718 (NMC)]

[RDW 28256: UTEP]

Note: The report by Gehlbach (1965) of *Polygala obscura* Benth. for the Guadalupe Mts. needs to be reviewed in light of the recent interpretations by Bob Denham.

## POLYGONACEAE

## Knotweed Family; Buckwheat Family

ERIOGONUM ABERTIANUM Torr.

Abert Wild Buckwheat

[Burgess & Northington, 1981]

ERIOGONUM ALATUM Torr. var. ALATUM

Winged Wild Buckwheat

[Hess & Reveal, 1976; Burgess & Northington, 1981]

[Records: NM, Eddy Co., Guadalupe Mts., 19 Oct 1939, *Barneby* 2585 (NY)]

[UTEP: Ferguson, 304]

ERIOGONUM ANNUUM Nutt.

[Records: TX, Culberson Co., Guadalupe Canyon, *Whitehouse* (TEX-LL)]

ERIOGONUM HAVARDII wats.

Havard Wild Buckwheat

[Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Spellenberg, 1976;

Van Devender, 1977; Burgess & Northington, 1981; Spellenberg & Wooten, 1999]

[Records: TX, Culberson Co., Bush Mtn., 8600 ft., *Hougham* (GUMO); 4 mi. NE of Pine Springs, *Correll & Johnston* 19125 (TEX-LL); NM, Eddy Co., 5 mi. S of Sitting Bull Falls, *Higgins* 6715 (NMC); Queen, *Wooton* (NMC); Sitting Bull Falls, *Ferguson* 299 (UTEP; UCR); Otero Co., N of the mouth of Pup Canyon, *Spellenberg* 12439 (NMC)]

[RDW 27692: UTEP]

ERIOGONUM HIERACIFOLIUM Benth.

Hawkweed Wild Buckwheat

[*Eriogonum pannosum* Woot. & Standl.]

[Wooton & Standley, 1915; Gehlbach, 1965; Reveal, 1968; Burgess & Northington, 1981]

[Records: TX, Culberson Co., 27.5 mi. SW of White=s City, *Reveal & Davidse* 914 (Utah State); 9.5 mi. NE of Pine Springs. *Reveal & Davidse* 914 (TEX-LL); North McKittrick Canyon,

Warnock &

*Rogers* 18889 (TEX-LL); NM, Eddy Co., Hero Ranch near Queen, 4 Aug 1909,

Wooton (US, NMC);

*Worthington* 27864 (UTEP; UCR); *Worthington* 30223 (UTEP)]

ERIOGONUM JAMESII Benth. var. JAMESII

James Buckwheat; Antelope Sage

[Gehlbach, 1965; Burgess & Northington, 1981]

[Records: TX, Culberson Co., Bush Mtn., *Burgess* 4323 (TTC; GUMO); Guadalupe Canyon, *Lundell & Lundell* (TEX-LL); Pine Spring, *Young* (TEX-LL); NM, Eddy Co., Queen, *Wooton* (NMC)]

[RDW 28633: UTEP]

ERIOGONUM LACHNOGYNUM Torr.

Woolycup Buckwheat

[Gehlbach, 1965]

ERIOGONUM LONGIFOLIUM Nutt. [Gehlbach, 1965]	Longleaf Buckwheat
ERIOGONUM TENELLUM Torr. [Records: Guadalupe Mts. along hwy. 62-180, <i>Hanson &amp; Correll 462</i> (TEX-LL)]	
ERIOGONUM WRIGHTII Torr. [Burgess & Northington, 1981] [Records: Bone Canyon and along US 62-180 3.1 km S SW of Nickle Creek (Burgess & Northington (1981); 1.9 mi. WSW Nickle Creek along 62-180, <i>Burgess 4409</i> (TTC; GUMO); Guadalupe Canyon, <i>Young</i> (TEX-LL); 2 mi. NE of Pine Springs, <i>Correll &amp; Johnston 24238</i> (TEX-LL)]	Wright Wildbuckwheat
POLYGONUM LAPATHIFOLIUM L. [RDW 28075: UTEP; UCR; RSA-POM]	Curlytop Knotweed
RUMEX CRISPUS L. [RDW 27963: UTEP]	Curly Dock
RUMEX HYMENOSEPALUS Torr. [Burgess & Northington, 1981]	Canaigre; Wild Rhubarb

## PORTULACACEAE

## Purslane Family

PORTULACA HALIMOIDES L. [ <i>Portulaca parvula</i> Gray] [Burgess & Northington, 1981] [Records: quartz sandhills on the W bahada E of Eclipse Well at 1150 m (Burgess & Northington, 1981)]	Sinkerleaf Purslane
PORTULACA OLERACEA L. [ <i>Portulaca retusa</i> Engelm.] [Gehlbach, 1965; Burgess & Northington, 1981]	Common Purslane
PORTULACA PILOSA L. [ <i>Portulaca mundula</i> I. M. Johnst.] [Johnston, 1948; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981] [TX, Culberson Co., Pine Spring Canyon, <i>Waterfall 5242</i> (A?); mouth of Pine Canyon, <i>Young</i> (TEX-LL)]	Shaggy Portulaca
PORTULACA SUFFRUTESCENS Engelm. [RDW 27957: UTEP; UCR]	Shrubby Portulaca
TALINOPSIS FRUTESCENS Gray [Burgess & Northington, 1981] [Records: TX, Culberson Co., Bone Spring, <i>Northington 936</i> (TTC; GUMO)]	
PHEMERANTHUS AURANTIACUM (Engelm.) Kiger [ <i>Talinum aurantiacum</i> Engelm.; <i>Talinum angustissimum</i> (Gray) Woot. & Standl.] [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981] [Records: TX, Culberson Co., McKittrick Canyon, <i>Gehlbach</i> (GUMO); below Smith Spring, <i>Burgess 2165</i> (TTC; GUMO)] [RDW 27861: UTEP]	Orange Flameflower
PHEMERANTHUS BREVICAULE (S. Wats.) Kiger [ <i>Talinum eximium</i> A. Nels.; <i>T. pulchellum</i> Woot. & Standl.] [Wooton & Standley, 1913, 1915; Nelson, 1931; Cory, 1937; Fletcher, 1980a; Burgess & Northington, 1981] [NM, Eddy Co., near Queen, <i>Wooton s.n.</i> (Type of <i>T. pulchellum</i> : US); Carlsbad Caverns, May 1930, <i>Convis 56</i> (Type of <i>T. eximium</i> : RM); TX, Culberson Co., top of Guadalupe Peak, <i>Baker 13090</i> (GUMO); Pine Canyon, <i>Young</i> (TEX-LL); near West Bowl, <i>Warnock 22818</i> (TEX-LL)] [RDW 27868: UTEP]	Dwarf Flameflower

## PRIMULACEAE

## Primrose Family

ANDROSACE OCCIDENTALIS Pursh	Western Rock Jasmine
------------------------------	----------------------

[RDW 28184: UTEP]  
SAMOLUS EBRACTEATUS H.B.K. var. CUNEATUS (Small) Henrickson Limewater Brookweed  
[Spellenberg, 1976; Henrickson, 1983, mapped]  
[Records: TX, Culberson Co., 12 mi. SW of TX-NM state line along hwy. 62-180, Warnock 6290  
(TEX-LL)]  
[RDW 27699: UTEP]

## RAFFLESIACEAE

## Rafflesia Family

PILOSTYLES THURBERI Gray Stem-sucker  
[Records: NM, Eddy Co., Sitting Bull Falls, Galloway 994 (UCR)]

## RANUNCULACEAE

## Crowfoot Family; Buttercup Family

ANEMONE TUBEROSA Rydb. var. TEXANA Enquist & Crozier Desert Windflower  
[Gehlbach, 1965; Burgess & Northington, 1981; Enquist & Crozier, 1995]  
[Records: NM, Eddy Co., Slaughter Canyon and East Escarpment NE of Rattlesnake Canyon  
(T25S, R24E, Sec 17, NE 1/4) (Burgess & Northington, 1981); Carlsbad Caverns Natl. Park,  
19 Apr 1977, Burgess 4476 (TEX-LL); W. Slaughter Canyon, Burgess 4495 (TTC: GUMO)]

AQUILEGIA CHRYSANTHA Gray var. CHAPLINEI (Standl. ex Payson) Lott Chaplin Columbine  
[*Aquilegia chaplinei* Standl. ex Payson]  
[Payson, 1918; Gehlbach, 1965; Riskind, 1974; Spellenberg, 1976; Northington & Burgess, 1979;  
Burgess & Northington, 1981; Hayes, 1988; Knight, 1992]  
[Records: NM, Eddys Co., Sitting Bull Falls, 1650 m, 25 May, 1916, Chapline 544 (Type: US),  
*Ferguson*  
Canyon, 318 (UCR); TX, Culberson Co., S. McKittrick Canyon, Hougham (GUMO); North McKittrick  
*McVaugh 7409* (TEX-LL)]  
[*Van Devender s.n.* (UTEP)]

CLEMATIS ALPINA (L.) P. Miller  
[*Clematis columbiana* (Nutt.) Torr. & Gray]  
[Pringle, 1971, mapped and mentioned from Guadalupe Mts. of Texas]

CLEMATIS DRUMMONDII Torr. & Gray Texas Virginsbower  
[Warnock, 1974; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., mouth of Bone Canyon, Burgess 3731 (TEX-LL)]

CLEMATIS PITCHERI Torr. & Gray var. PITCHERI Leatherflower  
[*Viorna filifera* (Benth.) Woot. & Standl.; *Clematis filifera* Benth.]  
[Wooton & Standley, 1915; Gehlbach, 1965; Spellenberg, 1976; Fletcher, 1980a; Burgess &  
Northington, 1981]  
[Records: NM, Eddy Co., W. Slaughter Canyon, Burgess 4578 (TTC; GUMO)]  
[RDW 28564: UCR]

DELPHINIUM WOTONII Rydb. Plains Larkspur  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., base of Stagecoach Hill, Burgess 3142 (TTC; GUMO)]  
[RDW 28175: UTEP][Sivinski 4278: UNM]  
Note: Burgess & Northington (1981) mention a West Dog Canyon collection that keyed to  
what is now called *Delphinium carolinianum* T. Walter ssp. *virescens* (Nutt.) C. J. Brooks.

THALICTRUM FENDLERI Engelm. Fendler Meadow Rue  
[Boivin, 1944; Burgess & Northington, 1981]  
[TX, Culberson Co., McKittrick Canyon, 2000 m, Moore & Steyermark 3566 (GH; MO); The  
Bowl, Hougham (GUMO); South McKittrick Canyon, Correll & Hanson 29813 (TEX-LL)]

## RHAMNACEAE

## Buckthorn Family

CEANOTHUS GREGGII Gray Desert Ceanothus; Buckbrush



- [Wooton & Standley, 1915; Gehlbach, 1965; Fletcher, 1979, 1980a; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Bell Canyon, *Burgess* 1386 (TTC; GUMO); mouth of Pine Canyon, *Young* (TEX-LL); 2 mi. W of Pine Spring Station, *Warnock* 5385 (TEX-LL)]  
 [Lambert, 921: UTEP] [Sivinski 4267: UNM]
- CONDALIA ERICOIDES (Gray) M. C. Johnst. Javalena Bush; Little Buckthorn  
 [Hershey & Leyendecker, 1944; Johnston, 1962; Gehlbach, 1965; Warnock, 1974;  
 Van Devender, 1977; Burgess & Northington, 1981]  
 [ TX, Culberson Co., Pine Spring, 14 Sep 1916, *Young s.n.* (TEX-LL); NM, Eddy Co.,  
 Carlsbad Cave, 15 Apr 1924, *Bailey s.n.* (US); Carlsbad Caverns, 5 May 1924, *Lee* 115 (US)]  
 RDW 28332: UTEP]
- CONDALIA WARNOCKII M. C. Johnst. var. WARNOCKII Squawbush  
 [*Condalia spathulata* Gray of some authors]  
 [Wooton & Standley, 1915; Burgess & Northington, 1981]
- FRANGULA BETULIFOLIA (Greene) V. Grub ssp. OBOVATA (Kearney & Peebles) Birchleaf Buckthorn  
 Kartesz  
 [*Rhamnus betulaefolia* Greene]  
 [McVaugh, 1952; Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Bear Canyon Trail, *Northington* 464 (TTC; GUMO); North McKittrick  
 Canyon, *McVaugh* 7411 (TEX-LL); Pine Top Mtn., *Correll* 13907 (TEX-LL)]  
 [RDW 28666: UTEP]
- RHAMNUS SERRATA H. & B. ex Schult. var. SERRATA Smith Buckthorn  
 [*Rhamnus smithii* Greene ssp. *fasciculata* (Greene) Wolf]  
 [Wooton & Standley, 1915; Gehlbach, 1965; Johnston, 1975; Johnston & Johnston, 1978;  
 Fletcher, 1980a; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., 24 Aug 1901 *Bailey* 454 (US); near Queen, 20-21 Aug 1924, *Standley*  
 40687 (US); TX, Culberson Co., near West Bowl, *Warnock* 22844 (SRSC); South McKittrick Canyon,  
*Correll & Hanson* 29821 (TEX-LL)]
- ZIZIPHUS OBTUSIFOLIA (Torr. & Gray) Gray Lotebush; Graythorn; Gray-leaved Abrojo  
 [*Condalia lycioides* (Gray) Weberb.]  
 [Johnston, 1963; Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Van Devender, 1980,  
 Holocene remains; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Bone Canyon, *Burgess* 3584 (TTC; GUMO)]  
 [RDW 27951: UTEP]

## ROSACEAE

## Rose Family

- AMELANCHIER UTAHENSIS Koehne Utah Serviceberry  
 [*Amelanchier alnifolia* (Nutt.) Nutt. ex M. Roemer]  
 [Jones, 1946; Gehlbach, 1965; Riskind, 1974; Fletcher, 1980a; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., ridge above McKittrick Canyon, *Moore & Steyermark* 3482  
 (GH; MO); S. McKittrick Canyon, *Burgess* 1849 (TTC; GUMO); North McKittrick Canyon, *Correll &*  
*Johnston* 18490 (TEX-LL); Pine Canyon above Pine Spring, *McVaugh* 8157 (TEX-LL); Pine Canyon,  
*Young* (TEX-LL)]  
 [RDW 28634: UTEP][RDW 28839: UTEP, UCR]
- CERCOCARPUS BREVIFLORUS Gray Shaggy Mountain Mahogany  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Spellenberg, 1976; Burgess &  
 Northington, 1981; Hayes, 1988; Baker, 1999]  
 [Records: TX, Culberson Co., mouth of Smith Canyon, *McVaugh* 8157 (TEX-LL)]  
 [RDW 27989: UTEP; UCR; RSA-POM]
- CERCOCARPUS MONTANUS Raf. Mountain Mahogany  
 [Fletcher, 1980a; Van Devender, 1977, 1980; Burgess & Northington, 1981; Knight, 1992;  
 Worthington, 1999b]  
 [Records: TX, Culberson Co., Smith Canyon, *McVaugh* 7424 (TEX-LL)]  
 [RDW 30177: UTEP, UCR]

- FALLUGIA PARADOXA (D. Don) Endl. *ex* Torr. Apacheplume  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977;  
 Spellenberg, 1976; Van Devender, 1980, Holocene remains; Burgess & Northington, 1981;  
 Sivinski, 1999; Worthington, 1999b; Spellenberg & Wooten, 1999]  
 Records: TX, Culberson Co., Guadalupe Canyon, *Lundell & Lundell 14405* (TEX-LL); Signal  
 Peak, *Whitehouse* (TEX-LL)]  
 [RDW 27930: UTEP]  
 Note: The Hayes (1988) report of *Cowania mexicana* is almost certainly referring to this species.
- FRAGARIA VESCA L. ssp. BRACTEATA (Heller) G. Staudt Wild Strawberry  
 [Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., N side Bush Mtn., *Burgess* (TTC; GUMO); The Bowl, *Warnock &  
 Johnston 16660* (TEX-LL)]
- HOLODISCUS DUMOSUS (Nutt. *ex* Hook.) Heller Rock Spiraea  
 [*Holodiscus discolor* (Pursh) Maxim.]  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., W of top of Bush Mtn., *Hougham* (GUMO); South McKittrick Canyon,  
*Burgess 3546A* (TEX-LL), *Warnock 12069* (TEX-LL)]
- PETROPHYTUM CAESPITOSUM (Nutt.) Rydb. Tufted Rockmat  
 [Wooton & Standley, 1915; Gehlbach, 1965; Spellenberg, 1976; Fletcher, 1980a;  
 Ward & Spellenberg, 1986, chromosome count on n=9 from Slaughter Canyon population;  
 Burgess & Northington, 1981; Hayes, 1988; Knight, 1992; Baker, 1999; Worthington, 1999b]  
 [RDW 27993, 28639: UTEP; UCR][NM, Eddy Co., Slaughter Canyon, *Ward 84-022* (NMC);  
 TX, Culberson Co., N. McKittrick Canyon, *Northington 858* (TTC; GUMO); Pine Spring Canyon,  
*Correll & Johnston 24271* (TEX-LL)]
- PHYSOCARPUS MONOGYNUS (Torr.) Coult. Mountain Ninebark; Buck Brush  
 [Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., seeps in S. McKittrick Canyon (Northington & Burgess, 1979); top  
 of Signal Peak, *Young* (TEX-LL)]
- POTENTILLA PENNSYLVANICA L. Pennsylvania Cinquefoil  
 [Burgess & Northington, 1981]  
 [Records: top of Bush Mountain, *Burgess 4372* (TEX-LL); just W of Bush Mtn., 8600 ft.,  
*Hougham* (GUMO)]  
 Note: Jones *et al.* (1997) do not recognize this taxon as occurring in Texas so the collection  
 was either overlooked or determined to be something else.
- ?PRUNUS MURRAYANA Palmer Murray Plum  
 [Mahler, no date]  
 [Davis: TAES (sheet annotated by McVaugh, 1950; collection from McKittrick Canyon)]  
 Note: This rare plum should be searched for in upper North McKittrick Canyon.
- PRUNUS SEROTINA Ehrhart ssp. VIRENS (Woot. & Standl.) Shreve Black Chokecherry  
 [McVaugh, 1951, 1952; Gehlbach, 1965; Spellenberg, 1976; Fletcher, 1980a; Burgess &  
 Northington, 1981; Baker, 1999]  
 [Records: NM, Eddy Co., Walnut Canyon, *Burgess 4524* (TTC; GUMO); Sitting Bull Falls,  
*Ferguson 319* (UTEP; UCR); TX, Culberson Co., Pine Springs, 14 Sep 1916, *Young s.n.* (TEX-LL);  
 Smith Canyon, *Warnock & McVaugh 54* (TEX-LL); North McKittrick Canyon, *Correll 13936* (TEX  
 LL); Guadalupe Mts., *V. Bailey 437* (US)]  
 [UTEP: Lambert, 884] [RDW 28080: UTEP; UCR]
- PRUNUS VIRGINIANA L. Common Chokecherry  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., 0.2 km S and 1.8 km E from top of Bush Mountain above 2400 m  
*Burgess 4372* (TEX-LL)]
- ROSA STELLATA Wooton ssp. MIRIFICA (Greene) W. H. Lewis Desert Rose  
 [Lewis, 1965; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [RDW 28635: UTEP; UCR][Sivinski 4412: UTEP, UNM]  
 [Records: var. *mirifica*: TX, Culberson Co., West Dog Canyon, *Warnock 12076* (BRIT; SRSC);  
 Guadalupe Mts, *Bailey 421* (US-type of *Rosa vernonii* Greene)]

lower

var. *earlansoniae* Lewis: TX: Culberson Co., North McKittrick Canyon, 1800 m, *Moore & Steyermark* 3540 (MICH-type; isotypes GH, MO); North McKittrick Canyon, *Correll* 13950 (BRIT), *Hinckley* 18 (MO, BRIT, SRSC, US), *McVaugh* 7412 (MICH, BRIT); between North and Main McKittrick Canyons, *McVaugh* 7407 (MICH, BRIT)]

- ROSA WOODSII Lindl. Woods Rose  
[Northington & Burgess, 1979; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., near Turtle Rock in canyon bottom (Northington & Burgess, 1979); South McKittrick Canyon, *Correll & Correll* 26058 (TEX-LL)]
- RUBUS LEUCODERMIS Dougl. ex Torr. & Gray var. BERNARDINUS (Greene) Jepson Whitebark Raspberry  
[*Rubus bernardinus* (Greene) Jepson]  
[RDW 27848: UTEP; UNM][Batkin 1: UTEP, SRSC]  
Note: This is the first record of a *Rubus* from the Guadalupe Mountains. The collection has only recently been identified to species by Dr. B. L. Turner. The species grows in the wetlands above the last road crossing of the stream at Sitting Bull Falls Recreation Area (picnic area). and above the falls.
- SANGUISORBA MINOR Scop. Small Burnet  
[RDW 27668: UTEP]

## RUBIACEAE

## Madder Family

- GALIUM APARINE L. Goosegrass  
[Van Devender, 1980, Holocene remains]
- GALIUM FENDLERI Gray  
[Burgess & Northington, 1981]  
[Records: limestone ledges near the top of Brush Mtn. (Burgess & Northington, 1981)]
- GALIUM MEXICANUM H.B.K. var. ASPERRIMUM (gray) Higgins & Welsh Mexican Bedstraw  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., N side of Bush Mtn., *Burgess* 2254 (TEX-LL)]
- GALIUM MICROPHYLLUM Gray Bracted Bedstraw  
[*Relbunium microphyllum* (Gray) Hemsl.]  
[Wooton & Standley, 1915; Powell, 1959; Spellenberg, 1976; Fletcher, 1980a; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess* 3549 (TTC; GUMO), *Warnock* 11939 (TEX-LL); Signal Peak, *Whitehouse* (TEX-LL)]  
[UTEP: Van Devender s.n.] [RDW 27839: UTEP; UCR]
- GALIUM PROLIFERUM Gray Great Basin Bedstraw; Spreading Bedstraw  
[Burgess & Northington, 1981]  
[RDW 28145: UTEP]
- GALIUM WRIGHTII Gray Wright Bedstraw  
[*Galium rothrockii* Gray]  
[Powell, 1959; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., near Hiker=s Staircase, *Hougham* (GUMO); Smith Canyon, *Muller* 8298 (TEX-LL); 1.1 km S and 0.8 km W top of Bush Mtn., *Burgess* 3896 (TEX-LL)]
- HOUSTONIA ACEROSA Gray Needleleaf Bluets  
[*Oldenlandia acerosa* (Gray) Gray; *Houstonia polypremoides* Gray; *Hedyotis acerosa* Gray; *H. acerosa* var. *polypremoides* (Gray) W. H. Lewis]  
[Wooton & Standley, 1915; Gehlbach, 1965; Lewis, 1962, 1968; Burgess & Northington, 1981; Terrell, 1996, 2001; Worthington, 1999a]  
[Records: NM, Eddy Co., Dark Canyon, *Higgins* 7314 (ASU); *Worthington* 27852 (UTEP; UCR); TX, Culberson Co., below McKittrick Canyon, *Correll & Johnston* 19433 (TEX-LL); North McKittrick Canyon, *Lewis* 5538 (MO; BRIT); 2 mi. NE of Guadalupe Pass, *Oliver* 377 (BRIT); Signal Peak, *Whitehouse* (TEX-LL)]  
Note: *Houstonia humifusa* Gray is reported from Eddy and Otero Cos. (Terrell, 1996) and should be searched for in the area.
- STENARIA NIGRICANS (Lamarck) Terrell Diamondflowers

[*Houstonia rigidiuscula* (Gray) Woot. & Standl.; *Hedyotis nigricans* (Lam.) Fosberg]  
[Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977;  
Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999; Spellenberg & Wootten, 1999;  
Terrell, 2001]

var. NIGRICANS

[Records: TX, Culberson Co., South McKittrick Canyon, *Warnock 11019* (TEX-LL); Pine Canyon,  
*Young* (TEX-LL); above Frijole, *Lundell & Lundell 14392* (TEX-LL)]

[UTEP: Lambert, 879] [Baker, 13341][Spellenberg 12445: NMC]

var. GYPSOPHILA (B. L. Turner) Terrell

[Terrell, 2001]

[Records: TX, Culberson Co., South Fork of McKittrick Canyon, *Correll & Hanson 29822*  
(FSU; TEX-LL)]

var. PAPPILLACEA B. L. Turner

[Records: TX, Culberson Co., Pine Springs Canyon, *Rowlett & Oatman* (TEX-LL); South McKittrick  
Canyon, *Correll & Correll 26072* (TEX-LL)]

## RUTACEAE

## Citrus Family

CHOISYA DUMOSA (Torr.) Gray

Starleaf Mexican Orange

[Standley, 1914; Muller, 1940; Gehlbach, 1965; Riskind, 1974; Spellenberg, 1976;  
Fletcher, 1979; Northington & Burgess, 1979; Burgess & Northington, 1981; Lerich,  
Hollander & Hogan, 1992]

[Records: NM, Eddy Co., 40 mi. SW Carlsbad, 30 Apr 1924, *Lee 82* (US); Carlsbad Caverns,  
Apr 1924, *Bailey* (US); Sitting Bull Falls, 12-20 Aug 1924, *Standley 40736* (US); TX, Culberson  
Co., Guadalupe Mts., Oct 1881, *Havard* (MO); Pine Canyon, 29 May-4 Jun 1912, *Chase 5995*  
(US); Guadalupe Mts., 18 Aug 1916, *Young* (GH; MO); McKittrick Canyon, 15-17 Aug 1924,  
*Standley 40501* (US); McKittrick Canyon, *Moore & Steyermark 3552* (A; MO; NY; UC; US)]  
[RDW 27667: UTEP]

PTELEA TRIFOLIATA L. ssp. POLYADENIA (Greene) V. L. Bailey

Skunkbush; Common Hoptree

[McVaugh, 1952; Gehlbach, 1965; Spellenberg, 1976; Van Devender, 1977; Fletcher, 1980b;  
Burgess & Northington, 1981]

[TX, Culberson Co., Guadalupe Mts., 1881, *Havard s.n.* (US); Frijole P. O., *Grassl 145* (MICH);  
McKittrick Canyon, *Standley 40556* (US); *Moore & Steyermark 3603* (CAS; DS; MICH; MO; UC);  
side canyon off N. McKittrick Canyon, *McVaugh 7415* (MICH; BRIT); Pine Top Mtn.,

*Correll*

13899, 13903 (BRIT); Pine Springs Canyon, *Warnock 6315* (TEX-LL); W of Pine Springs  
Filling Station, *Hinckley 3864* (DS); NM, Eddy Co., near Sitting Bull Falls, *Standley 40742* (US)]  
[RDW 27695: UTEP]

ssp. PALLIDA (Greene) V. L. Bailey var. CONFINIS (Greene) V. L. Bailey

[Bailey & Bailey, 1965, mapped]

ssp. ANGUSTIFOLIA var. ANGUSTIFOLIA

[Records: TX, Culberson Co., Pine Top Mtn., *Turner & Warnock 171* (TEX-LL); South McKittrick  
Canyon, *Warnock 12021* (TEX-LL)]

THAMNOSMA TEXANA (Gray) Torr.

Texas Deserttrue; Ruda del Monte

[Gehlbach, 1965; Warnock, 1974; Burgess & Northington, 1981]

[Records: TX, Culberson Co., lower Schumard Canyon, *Northington 564* (TTC; GUMO); 3 mi. N of  
Pine Springs, *Correll & Rollins 23894* (TEX-LL)]

[Sivinski 4285: UNM]

## SALICACEAE

## Willow Family

POPULUS X ACUMINATA Rydb.

Lance-leaved Cottonwood

[Burgess & Northington, 1981]

[Records: Last Chance Canyon, 1.5 mi. NW of Sitting Bull Falls Campground, Sec. 33, 19 Aug  
1977, T. R. Van Devender s.n. (ARIZ)]

- POPULUS DELTOIDES Marsh ssp. WISLIZENII (Wats.) Eckenwalder Rio Grande Cottonwood  
 [Gehlbach, 1965; Van Devender, 1980; Burgess & Northington, 1981; Baker, 1999]  
 [Records: TX, Culberson Co., Bone Spring, *Burgess* 4327 (TTC; GUMO); 12 mi. SW of the TX-NM  
 line, *Warnock* 6245 (TEX-LL)]  
 [RDW 27969: UTEP; UCR; RSA-POM]  
 [Records: Bone and Rattlesnake Springs (Burgess & Northington, 1981)]
- POPULUS TREMULOIDES Michx. Quaking Aspen  
 [Riskind, 1974; Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., near jct. Tejas and Juniper Trails, 7600 ft., *Hougham* (GUMO);  
 between The Bowl and Shumard Peak, *Warnock* 22639 (TEX-LL)]
- SALIX AMYGDALOIDES Anderss.  
 [Records: TX, Culberson Co., Guadalupe Canyon, *McVaugh* 7387 (TEX-LL)]
- SALIX EXIGUA Nutt. Coyote Willow; Narrowleaf Sandbar Willow  
 [Baker, 1999] [RDW 27844: UTEP; UCR]
- SALIX GOODINGII Ball Goodding Willow  
 [Spellenberg, 1976; Burgess & Northington, 1981; Baker, 1999, as *Salix nigra*]  
 [TX, Culberson Co., Rattlesnake Spring, *Burgess* 4593 (TTC; GUMO); creek N of Pine Springs,  
*Lundell & Lundell* 14382 (TEX-LL)]  
 [RDW 27846: UTEP; UCR]  
 Note: Baker (1999) reports *Salix laevigata* which was not vouchered.
- SALIX LASIOLEPIS Benth. var. BRACELINAE Ball Narrow-leaved Arroyo Willow  
 [Burgess & Northington, 1981]  
 [Records: South McKittrick Canyon (Burgess & Northington, 1981), *Warnock* 10983 (TEX-LL)]

## SAPINDACEAE

## Soapberry Family

- SAPINDUS SAPONARIA L. var. DRUMMONDII (H. & A.)Benson Western Soapberry  
 [Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Van Devender, 1980,  
 Holocene remains; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Choza Spring, *Hougham* (GUMO); Pine Springs Canyon, *Warnock*  
 6314 (TEX-LL)]  
 [RDW 28095: UTEP; UCR]
- UNGNADIA SPECIOSA Endl. Mexican Buckeye  
 [Wooton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977;  
 Van Devender, 1980, Holocene remains; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., N. McKittrick Canyon (GUMO); Bear Canyon, *Sanchez* (GUMO);  
 South McKittrick Canyon, *Warnock & Johnston* 16481 (TEX-LL); Pine Canyon, *Correll* 13929  
 (TEX-LL)]  
 [Lambert, 898; RDW 28147: UTEP, CHSU]

## SAXIFRAGACEAE

## Saxifrage Family

- HEUCHERA RUBESCENS Torr. Red Alumroot  
 [Fletcher, 1980a, as *Heuchera* sp.; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Bush Mtn., 8600 ft., *Burgess* 2296 (TTC; GUMO); S.  
 McKittrick Canyon, *Burgess* 3561 (TTC; GUMO); Pine Canyon, *Young* (TEX-LL)]  
 [RDW 28630: UTEP; UCR]

## SCROPHULARIACEAE

## Figwort Family

- CASTILLEJA INTEGRAL Gray Wholeleaf Paintbrush  
 [Pennell, 1940; Gehlbach, 1965; Burgess & Northington, 1981; Nesom, 1992, mapped]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Bailey* 702 (US); Upper Sloth Cave, *Burgess*  
 2426 (TTC; GUMO); Guadalupe Canyon, *Warnock* 23411 (TEX-LL); South McKittrick Canyon,  
*Warnock* 12009 (TEX-LL); near Pine Springs, *Young* (TEX-LL)][Lambert, 901, 920: UTEP]

- [RDW 29983: UTEP]  
 ?CASTILLEJA RIGIDA A. Eastwood  
 [Gehlbach, 1965; Northington & Burgess, 1979]  
 Note: Northington & Burgess (1979) report this species as widespread but scarce at higher elevations. This record is questioned because Nesom (1992) does not show this species in the area.
- CASTILLEJA SESSILIFLORA Pursh Downy Indian Paintbrush  
 [Pennell, 1940; Burgess & Northington, 1981]  
 [Records: NM, Eddy Co., near mouth of Slaughter Canyon, *Burgess* 4489 (TTC; GUMO); TX, Culberson Co., Guadalupe Canyon, *Young* (TEX-LL); 3 mi. N of Pine Springs, *Correll & Rollins* 5429 (TEX-LL)][Lambert, 931: UTEP]  
 Note: Gehlbach (1965) lists *Castilleja latebracteata* Penn. as occurring in the area. The species is not listed as occurring in New Mexico (Allred, 1996).
- CASTILLEJA TENUIFLORA Benth. Santa Catalina Indian Paintbrush  
 [*Castilleja laxa* Gray]  
 [Fletcher 1980a]
- EPIXIPHUM WISLIZENI (Engelm. ex Gray in Torr.) Munz Balloonbush  
 [*Maurandya wislizeni* Engelm. ex Gray in Torr.]  
 [Spellenberg, 1976; Burgess & Northington, 1981; Elisens, 1985]  
 [Records: NM, Eddy Co., Walnut Canyon, *McKechnie* 468 (UNM); TX, Culberson Co., Guadalupe Mts., *Wright* 438 (GH; NY; US)]
- LEUCOPHYLLUM MINUS Gray Big Bend Silverleaf  
 [Wooton & Standley, 1915; Pennell, 1940; Van Devender, 1975; Nurgess & Northington, 1981; Henrickson, 1985, mapped; Gehlbach, 1996]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Young* (PH); El Capitan Trail, *Hougham* (GUMO)]
- MAURANDELLA ANTIRRHINIFLORA (Humb. & Bonpl. ex Willd.) Rothm. Blue Snapdragon Vine  
 [*Maurandya antirrhiniflora* Humb. & Bonpl. ex Willd.]  
 [Pennell, 1940; Gehlbach, 1965; Van Devender, 1975, 1977; Burgess & Northington, 1981; Elisens, 1985]  
 [Records: TX, Culberson Co., S form McKittrick Canyon, *Correll & Correll* 26084 (TEX-LL); McKittrick Canyon, *Moore & Steyermark* 3565 (MO); Signal Peak, *Whitehouse* (TEX-LL); *Lambert* 880 (UTEP)]
- NUTTALLANTHUS TEXANUS (Scheele) D. A. Sutton Texas Toadflax  
 [*Linaria canadensis* (L.) Dun. var. *texana* (Scheele) Penn.]  
 [Van Devender, 1977]
- PENSTEMON BARBATUS (Cav.) Roth ssp. TORREYI (Benth.) Keck Beardlip Penstemon  
 [Pennell, 1940; Gehlbach, 1965; Burgess & Northington, 1981; Bleakly, 1998; Baker, 1999]  
 [Records: TX, Culberson Co., McKittrick Canyon, *Standley* 40567 (US); Signal Point, *Young* (TEX-LL); Bush Mtn., 6750 ft., *Burgess* 2457 (TTC; GUMO)][Baker, 13351] [RDW 28671: UTEP]
- PENSTEMON CARDINALIS Woot. & Standl. ssp. REGALIS (A. Nels.) Nisbet & Cardinal Penstemon  
 Jackson  
 [Nelson, 1934; Pennell, 1940; Nisbet & Jackson, 1960; Riskind, 1974; Van Devender, 1975; Spellenberg, 1976; Northington & Burgess, 1979; Fletcher, 1979, 1980a, 1980b; Burgess & Northington, 1981; Bleakly, 1998; Baker, 1999]  
 [NM, Eddy Co., near Carlsbad Caverns, May 1930, *Convis* 75 (RM-type);; Sitting Bull Falls, *Castetter* (UNM), *Ferguson* 327 (UTEP; UCR); Guadalupe Mts., 12 May 1939, *Hershey & Nisbet* 674 (UNM; NMC); TX, Culberson Co., Guadalupe Mts., *Havard* 245 (GH); McKittrick Canyon, *Standley* 40518 (US); Bear Canyon (GUMO)][RDW 28304: UTEP]  
 [Barker, 13350]
- PENSTEMON DASYPHYLLUS Gray Thicketleaf Penstemon  
 [Northington & Burgess, 1979; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., on rocky slopes above 5500 ft. W of Guadalupe Peak (Northington & Burgess, 1979).
- PENSTEMON FENDLERI Torr. & Gray Fendler Penstemon  
 [Gehlbach, 1965; Northington & Burgess, 1979; Burgess & Northington, 1981]

[Records: TX, Culberson Co., lower McKittrick Canyon, *Northington* 797 (TTC; GUMO); 3 mi. N of Pine Springs, *Correll & Rollins* 23896 (TEX-LL)]  
[RDW 28174: UTEP]

?PENSTEMON HAVARDII Gray

[Pennell, 1940]

[Records: AGuadalupe Mountains, Western Texas, not far from the Rio Grande, 1882, @ *Havard* 244 (GH-Type)]

Note: I strongly suspect this collection was made in the Big Bend region of Texas and not in the Guadalupe Mountains as the label reads.

PENSTEMON JAMESII Benth.

[*Penstemon brevibarbus* Crosswhite]

[Keck, 1938; Pennell, 1940; Nisbet & Jackson, 1960; Northington & Burgess, 1979]

[Records: NM, Eddy Co., Guadalupe Mts., 12 May 1939, *Hershey & Nisbet* 685 (UNM);

Last Chance Canyon, *Wilkins* 1913 (PH); Three Forks Rocky Arroyo, *Wilkins* 1855 (PH);

Queen, *Standley* 40687 (US); Carlsbad Caverns, *Nelson* 11408 (RM; UC); Carlsbad

Caverns Natl. Park, Putnam Cabin Road, *Burgess* 4610 (TTC; GUMO); TX, Culberson

Co., Pine Canyon, *Chase* 5994 (US); McKittrick Canyon Ranger Station, *Sanchez* (GUMO); trail to Smith Spring, *Powell* 5329 (TEX-LL)]

SEYMERIA SCABRA Gray

Limpia Seymeria

[Pennell, 1940; Burgess & Northington, 1981]

[Records: TX, Culberson Co., 0.5 to 1 km E of Pine Springs Cafe and from S of US 62-180

(Burgess & Northington, 1981); Guadalupe Mts., *Standley* 40580 (US); Guadalupe Mts., *Young*

(MO); mouth of Pine Canyon, *Young* (TEX-LL); Pine Top Trail, *Hougham* (GUMO)]

VERBASCUM THAPSUS L.

Common Mullein

[Burgess & Northington, 1981]

[Records: TX, Culberson Co., near Frijole Ranch, *Hougham* (GUMO)]

[RDW 27905: UTEP]

## SOLANACEAE

## Potato Family; Nightshade Family

CHAMAESARACHA CONOIDES (Moric.) Britt.

Gray Five Eyes

[Gehlbach, 1965; Warnock, 1974]

CHAMAESARACHA CORONOPUS (Dun.) Gray

Small Groundcherry

[Gehlbach, 1965; Burgess & Northington, 1981]

[RDW 28269: UTEP]

[Records: mouth of Pine Spring Canyon (Burgess & Northington, 1981)]

CHAMAESARACHA EDWARDSIANA Averett

[Burgess & Northington, 1981]

[Records: TX, Culberson Co., trail to Sloth Cave, *Burgess* 2406 (TTC; GUMO); South McKittrick Canyon, *Warnock* 10941 (TEX-LL); near Pine Springs, *Young* (TEX-LL)]

CHAMAESARACHA PALLIDA Averett

Pale Falsenightshade

[Averett, 1973; Burgess & Northington, 1981]

[RDW 27689: UTEP; RSA-POM] [Hershey 3098: GH]

[Records: W side of ridge between Upper Dog and West Dog Canyons along trail E of Marcus Cabin (Burgess & Northington, 1981)]

CHAMAESARACHA SORDIDA (Dunal) Gray

Hairy Falsenightshade

[Averitt, 1973; Warnock, 1974; Burgess & Northington, 1981]

[Records: NM, Eddy Co., Slaughter Canyon Rd., *Burgess* 4598 (TTC; GUMO)]

[Nelson 11403: GH; US]

DATURA QUERCIFOLIA H.B.K.

Oakleaf Thornapple

[Gehlbach, 1965]

[Records: TX, Culberson Co., Pine Springs housing, *Hougham* (GUMO)]

LYCIUM PALLIDUM Miers

Pale Wolfberry

[Gehlbach, 1965]

NICOTIANA TRIGONOPHYLLA Dun.

Desert Tobacco; Tobaquillo

- [Gehlbach, 1965; Van Devender, 1975, 1977; Burgess & Northington, 1981; Spellenberg & Wootten, 1999]  
 [Records: TX, Culberson Co., Pine Springs, *Young* (TEX-LL)]  
 [UTEP: Lambert, 877][Spellenberg: NMC]
- PETUNIA PARVIFLORA Juss. Wild Petunia  
 [Gehlbach, 1965]
- PHYSALIS HEDERIFOLIA Gray var. HEDERIFOLIA Heartleaf Groundcherry  
 [Wootton & Standley, 1915; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Pine Canyon, *Young* (TEX-LL)]  
 var. COMATA (Rydb.) Waterfall Ivy-leaf Groundcherry  
 [Records: NM, Eddy Co., Whites City, *Worthington* 32858 (UTEP)]  
 Note: The above collection is exceptionally glandular and appears to be this variety.
- PHYSALIS HETEROPHYLLA Nees  
 [Records: TX, Culberson Co., E slope of Guadalupe Mts., *Correll* 15108 (TEX-LL)]
- PHYSALIS SOLANACEUS (Schlecht.) Axelius Netted Globeberry  
 [*Margaranthus solanaceus* Schlecht.]  
 [Gehlbach, 1965]  
 [Records: TX, Culberson Co., Guadalupe Mts., *Young* (TEX-LL)]  
 [RDW 28033: UTEP]
- PHYSALIS SUBULATA Rydb. var. NEOMEXICANA (Rydb.) Waterfall New Mexico Groundcherry  
 [RDW 30199: UTEP]
- QUINCULA LOBATA (Torr.) Raf. Purple Groundcherry  
 [*Physalis lobata* Torr.]  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Sivinski 3327: UNM]
- SOLANUM CAROLINENSE L. Carolina Horse Nettle  
 [RDW 28318: UTEP]
- SOLANUM ELAEAGNIFOLIUM Cav. Purple Nightshade  
 [Gehlbach, 1965; Van Devender, 1975, 1977; Van Devender, 1980, Holocene remains;  
 Burgess & Northington, 1981]  
 [RDW 27714: UTEP]
- SOLANUM JAMESII Torr. Wild Potato  
 [Riskind, 1974; Burgess & Northington, 1981; Spooner et al., 2004]  
 [Records: TX, Culberson Co., West Dog Canyon between Ploughman Tank and Cox Tank, *Warnock*  
 12031 (TEX-LL; SRSC); McKittrick Canyon, *Young* (TEX-LL); near West Dog Canyon, *Warnock*  
 21664 (SRSC); and Upper Dog Canyon near TX-NM line (Burgess & Northington, 1981)]
- SOLANUM LEPTOSEPALUM Correll  
 [Northington & Burgess, 1979]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Northington* 931 (TTC; GUMO)]
- SOLANUM ROSTRATUM Dun. Buffalo Bur  
 [Gehlbach, 1965; Van Devender, 1975, 1977; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., McKittrick Canyon parking area, *Hougham* (GUMO); NM,  
 Eddy Co., 1.5 mi. NE of Whites City, *Worthington* 32879 (UTEP)]  
 [RDW 27718: UTEP]
- SOLANUM STOLONIFERUM Schlechtendal Wild Potato; Fendler Potato  
 [*Solanum fendleri* Gray]  
 [Burgess & Northington, 1981; Spooner et al., 2004]  
 [Records: TX, Culberson Co., N of Brush Mtn., *Burgess* 2255 (TEX-LL); streambed of Upper  
 Dog Canyon (Burgess & Northington, 1981)]
- SOLANUM TRIFLORUM Nutt.  
 [Records: TX, Culberson Co., W Dog Canyon at Ploughman Tank, *Warnock* 11990 (TEX-LL)]

## STERCULIACEAE

## Chocolate Family



AYENIA MICROPHYLLA Gray Dense Ayenia  
[Burgess & Northington, 1981]  
[Records: TX, Culberson Co., between the mouths of Bone & Shumard Canyons, *Burgess*  
4336 (TTC; GUMO)]

## TAMARICACEAE

## Tamarisk Family

TAMARIX RAMOSISSIMA Ledebour Salt Cedar  
[*Tamarix gallica* L.; *T. pentandra* Pall.]  
[Gehlbach, 1965; Burgess & Northington, 1981]  
[RDW 28094: UTEP]  
[Records: Bone Spring (Burgess & Northington, 1981)]

## ULMACEAE

## Elm Family

CELTIS LAEVIGATA Willd. var. RETICULATA (Torr.) L. Benson Netleaf Hackberry  
[Wootton & Standley, 1915; Gehlbach, 1965; Warnock, 1974; Van Devender, 1977; Van Devender,  
1980, Holocene remains; Burgess & Northington, 1981; Heil & Brack, 1985; Baker, 1999]  
[Records: TX, Culberson Co., McKittrick Canyon, *Sanchez* (GUMO); Pine Springs, *Young* (TEX-LL)]

## UMBELLIFERAE (APIACEAE)

## Parsley Family; Carrot Family

ALETES FILIFOLIUS Math., Const. & Theobald Threadleaf False Carrot  
[Mathias, Constance & Theobald, 1969; Fletcher, 1979; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., S. McKittrick Canyon, *Burgess* 4157 (TTC; GUMO); Pine Springs,  
*Correll & Johnston* 24272 (TEX-LL); North McKittrick Canyon, *McVaugh* 7413 (TEX-LL)]  
[RDW 28569: UTEP; UCR][Correll 13961: US (type); TEX-LL (isotype)]  
Note: D. S. Correll collected the type series in North McKittrick Canyon, 18 August, 1946.

AMMI VISNAGA (L.) Lam. Toothpick Ammi; Bisnaga  
[Burgess & Northington, 1981]  
[Records: near top of Guadalupe Mts. E of El Capitan, 13 Jun 1943, *Waterfall* 4495 (ARIZ)]  
AMMOSELINIUM POPEI Torr. & Gray Sand Parsley  
[Burgess & Northington, 1981]  
[RDW 28134: UTEP; CHSC]

APIUM GRAVEOLENS L. Common Celery  
[Gehlbach, 1965]

BERULA ERECTA (Huds.) Coville Water Parsnip  
[Burgess & Northington, 1981]  
[RDW 27669: UTEP; RSA-POM] [RDW 28039: UNM]  
[Records: Upper Pine Spring near mouth of Bear Canyon (Burgess & Northington, 1981)]

DAUCUS PUSILLUS Michx. Rattlesnake Weed; Southwestern Carrot  
[Gehlbach, 1965]

PSEUDOCYMOPTERUS LONGIRADIATUS Math., Const. & TransPecos False Mountainparsley  
Theobald  
[Mathias, Constance & Theobald, 1969; Fletcher, 1980b; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., upper McKittrick Canyon, 6000 ft., 22 Jun 1947, *Meyer & Meyer*  
2186 (Type: UC; Isotype: MO); first narrow canyon off W side North McKittrick Canyon, 1575 m,  
16 Jul 1945, *McVaugh* 7414 (TEX-LL; UC); SE slope of Pine Top Mtn., 15 Aug 1946, *Correll*  
13904 (TEX-LL); S fork of McKittrick Canyon, 2 Jul 1958, *Correll & Johnston* 19161 (TEX-LL);  
E side of Guadalupe Peak, 7500-8000 ft., 29 May-4 Jun 1912, *Chase* 5980 (MICH)]  
[RDW 28171: UTEP; UCR][RDW 27666: UTEP]

- PSEUDOCYMOPTERUS MONTANUS (Gray) Coult. & Rose Mountainparsley  
 [Burgess & Northington, 1981]  
 Note: Burgess and Northington (1981) report a single collection from Slaughter Canyon.
- SPERMOLEPIS ECHINATA (DC.) Heller Bristly Scaleseed  
 [Gehlbach, 1965]
- SPERMOLEPIS INERMIS (DC.) Math. & Const. Scaleseed  
 [Burgess & Northington, 1981]  
 [RDW 28270: UTEP]
- TORALIS ARVENSIS (Huds.) Link  
 [Records: TX, Culberson Co., McKittrick Canyon parking area, *Hougham* (GUMO)]

## URTICACEAE

## Nettle Family

- PARIETARIA OBTUSA Rydb. Blunt Pellitory  
 [Gehlbach, 1965, as *Parietaria floridana* Nutt.; Van Devender, 1975, as *P. floridana*;  
 Burgess & Northington, 1981]  
 [RDW 28137: UTEP]

## VALERIANACEAE

## Valerian Family

- VALERIANA ARIZONICA Gray Arizona Valerian  
 [Correll, 1965; Riskind, 1974; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., top of McKittrick Canyon, 8000 ft., rare in moist areas,  
 perennial in limestone, 5 Sep 1954, *Warnock 12004* (TEX-LL)]
- VALERIANA TEXANA Steyermark. Texas Valerian  
 [Steyermark, 1932; Hershey, 1940; Meyer, 1951; Gehlbach, 1965; Riskind, 1974;  
 Northington & Burgess, 1979; Fletcher, 1980a, 1980b; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., upper McKittrick Canyon, 2000 m, 21 Jul 1931, *Moore &*  
*Steyermark 3528* (Type: GH); S. McKittrick Canyon, *Lind* (GUMO), *Burgess 3129* (TTC; GUMO);  
 Smith Canyon, *McVaugh 7421* (TEX-LL); NM, Eddy Co., Guadalupe Mts., *Lee* (US)]  
 [Worthington 28629, 28657 (UTEP); Worthington 29976 (UTEP)]

## VERBENACEAE

## Vervain Family

- ALOYSIA WRIGHTII (Gray) Heller Oregonillo; Wright Aloysia  
 [Warnock, 1974; Van Devender, 1975, 1977; Spellenberg, 1976; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Bush Mtn., *Burgess 2470* (TTC; GUMO)]  
 [RDW 28014: UTEP; UCR; RSA-POM]
- GLANDULARIA BIPINNATIFIDA (Nutt.) Nutt. var. CILIATA (Benth.) Desert Verbena; Sweet William  
 Turner  
 [*Verbena ambrosifolia* Rydb.; *V. ciliata* Benth.; *V. wrightii* Gray]  
 [Gehlbach, 1965; Burgess & Northington, 1981; Turner, 1998; Worthington, 1999a]  
 [Records: TX, Culberson Co., upper Dog Canyon, *Burgess 5662* (UCR); NM, Eddy  
 Co., *Worthington 28185* (UTEP)]  
 Note: See Turner (1998) for the most recent taxonomic interpretation.
- GLANDULARIA PUMILA (Rydb.) Umber Pink Vervain; Hairy Verbena  
 [Burgess & Northington, 1981]  
 [Records: Walnut Canyon and bajada below East Escarpment SW of White City (Burgess &  
 Northington, 1981)]
- PHYLA CUNEIFOLIA (Torr.) Greene  
 [Records: TX, Culberson Co., McKittrick Canyon parking area, *Hougham* (GUMO)]
- PHYLA NODIFLORA (L.) GREENE Turkey Tangle  
 [*Phyla incisa* Small]  
 [Gehlbach, 1965]

- [Records: TX, Culberson Co., Frijole Ranger Station, *Hougham* (GUMO)]  
**TETRACLEA COULTERI** Gray Stinkweed  
 [Gehlbach, 1965; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., Williams Ranch Road, *Burgess* 3348 (TTC; GUMO)]  
**VERBENA MACDOUGALII** Heller New Mexico Vervain  
 [Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., The Bowl, *Hougham* (GUMO), *Weston 143* (TEX-LL)]  
**VERBENA NEOMEXICANA** (Gray) Small New Mexico Verbena  
 [*Verbena canescens* H.B.K.]  
 [Gehlbach, 1965]  
**VERBENA PERENNIS** H.B.K. Pineleaf Vervain  
 [Wooton & Standley, 1915; Gehlbach, 1965; Burgess & Northington, 1981; Worthington, 1999a; Sivinski, 1999]  
 [Records: TX, Culberson Co., 3 mi. N of Pine Spring, *Correll & Rollins 23897* (TEX-LL); NM, Eddy Co., Walnut Canyon, *Burgess* 4507 (TTC; GUMO)]  
 [UTEP: Ferguson,325] [RDW 27808: UTEP; UCR]

## VIOLACEAE

## Violet Family

- HYBANTHUS VERTICILLATUS** (Ortega) Baill. Whorled Nodviolet  
 [*Calceolaria verticillata* (Ortega) Kuntze]  
 [Wooton & Standley, 1915; Burgess & Northington, 1981]  
 [Records: TX, Culberson Co., North McKittrick Canyon, *Warnock & Rogers 18906* (TEX-LL)]  
**VIOLA GUADALUPENSIS** Powell & Wauer  
 [Records: TX, Culberson Co., Guadalupe Mts., 7989 ft., *Armstrong* (GUMO)]  
**VIOLA PALMATA** L. Early Blue Violet  
 [*Viola viarum* Pollard; *V. lovelliana* E. Brainard]  
 [Gehlbach, 1965; Russell, 1965; Fletcher, 1980a; Burgess & Northington, 1981; Spellenberg *et al.*, 1986; Hayes, 1988; McKinney, 1992; Worthington, 1999b]  
 [Patterson 501: TEX-LL][Knight 1822, 1823: UNM]  
 Note: The above name has been assigned to a violet in moist canyons at higher elevations. One investigator is of the opinion it is an undescribed species related to some Mexican taxa. The study of its relationships is in progress.  
**VIOLA SORORIA** Willd. var. **MISSOURIENSIS** (Greene) McKinney Sister Violet  
 [Russell, 1962; Northington & Burgess, 1979; Burgess & Northington, 1981; McKinney, 1992]  
 [Patterson 501: TEX-LL]  
 Note: The Patetrson collection (no. 501, TEX-LL) appears to have been a mixed collection of the two taxa noted above. The collection was made in North McKittrick Canyon near the Otero-Eddy Co. line.

## VISCACEAE

## Mistletoe Family

- ARCEUTHOBIUM DIVARICATUM** Engelm. *ex* Wheeler  
 [Hawksworth & Wiens, 1984, mapped]  
 [Records: TX, Culberson Co., near Dog Canyon, *Warnock 22816* (TEX-LL)]  
 Note: This species is parasitic on pinyon pines.  
**ARCEUTHOBIUM DOUGLASII** Engelm. *ex* L. Wheeler  
 [Burgess & Northington, 1981; Hawksworth, 1982; Hawksworth & Wiens, 1984, mapped]  
 [Records: TX, Culberson Co., The Bowl, *Hawksworth & Bailey 1528* (TEX-LL), *Warnock 22823* (TEX-LL)]  
 Note This species is parasitic on Douglas fir.  
**ARCEUTHOBIUM VAGINATUM** (Willd.) Presl. ssp. **CRYPTOPODIUM** Southwestern Dwarf Mistletoe  
 (Engelm.) Hawksworth & Wiens

[Hawksworth & Wiens, 1972, 1984; Burgess & Northington, 1981]  
[Records: TX, Culberson Co., McKittrick Ridge, *Burgess* 3627 (TTC; GUMO); summits above Frijole, *McVaugh* 8156 (TEX-LL); The Bowl at head of Bear Canyon Trail, *Hawksworth & Bailey* 1527 (TEX-LL)]

[Johnson 18638: FPF] [H. & L. 113: FPF][RDW 28838: UTEP]

Note: This species is parasitic on ponderosa pine.

PHORADENDRON JUNIPERINUM Engelm. in Gray Juniper Mistletoe

[Wooton & Standley, 1915; Burgess & Northington, 1981; Kuijt, 2003]

[Records: TX, Pine Springs Canyon, *Correll & Correll* 26090 (US); Pine Canyon, *Moore & Steyermark* 3660 (A, GH, MO, NY); NM, near Queen, *Standley* 40677 (US); RDW 29974: UTEP, UCR]

PHORADENDRON SEROTINUM (Raf.) M. C. Johnston Oak Mistletoe

[*Phoradendron villosum* (Nutt.) Engelm. ssp. *coryae* (Trel.) Wiens; *Phoradendron havardianum* Trel.]

[Gehlbach, 1965; Burgess & Northington, 1981; Kuijt, 2003]

[Records: TX, Culberson Co., near head of Smith Spring Trail, *Hougham* (GUMO); Guadalupe Mts., *Havard* 82 (US - type of *P. havardianum*); Pine Springs, *Whitehouse* 8326 (TEX-LL); NM, Sitting Bull Falls Rec. Area, *Koelling* 721 (ILL); near Queen, *Wilkins* 2301 (US)]

[RDW 28007: UTEP; UCR; RSA-POM]

## VITACEAE

## Grape Family

CISSUS INCISA (Nutt.) Des Moul. Ivy Treebine, Marine Ivy; Cow-itch

[Warnock, 1974; Van Devender, 1975, 1977; Burgess & Northington, 1981]

[Records: West Slaughter Canyon and Last Chance Canyon (Burgess & Northington, 1981)]

PARTHENOCISSUS VITACEA (Knerr) A. S. Hitchc. Thicket Creeper

[Gehlbach, 1965; Burgess & Northington, 1981; Baker, 1999]

[RDW 27842: UTEP][RDW 29955: UTEP, CHSC, UCR]

VITIS ARIZONICA Engelm. var. GLABRA Munson Canyon Grape

[Wooton & Standley, 1915; Gehlbach, 1965; Fletcher, 1980a; Burgess & Northington, 1981; Baker, 1999]

[Records: TX, Culberson Co., 2 mi. NE of Pine Springs, *Lundell & Lundell* 14413 (TEX-LL); South McKittrick Canyon, *Warnock* 11913 (TEX-LL); Pine Canyon, *Correll & Correll* 14697 (TEX-LL)]

[UTEP: Ferguson, 320] [RDW 27886: UTEP; UCR]

## ZYGOPHYLLACEAE

## Caltrop Family

KALLSTROEMIA HIRSUTISSIMA Vail *ex* Small Hairy Caltrop; Carpetweed

[Warnock, 1974]

KALLSTROEMIA PARVIFLORA Nort. Warty Caltrop

[Gehlbach, 1965]

[Records: NM, Eddy Co., 1.5 mi. NE of Whites City, *Worthington* 32880 (UTEP)]

LARREA TRIDENTATA (Sesse & Moq. *ex* DC.) Cav. Creosotebush; Gobernadora; Jarilla

[Gehlbach, 1965; Warnock, 1974; Van Devender, 1975, 1977; Burgess & Northington, 1981; Heil & Brack, 1985]

TRIBULUS TERRESTRIS L. Goathead; Puncture Weed

[Gehlbach, 1965; Van Devender, 1977; Burgess & Northington, 1981][RDW 27837: UTEP]

## LITERATURE CITED

- Adams, R. P. 1973. Reevaluation of the biological status of *Juniperus deppeana* var. *sperryi* Correll. *Brittonia* 25: 284-289
- Adams, R. P. and T. A. Zanoni. 1971. The distribution, synonymy and taxonomy of three junipers of southwestern United States and northern Mexico. *SW Nat.* 24:323-329.
- Allred, K. 1993. *Bromus*, section *Pnigma*, in New Mexico, with a key to the brome grasses of the state. *Phytologia* 74:319-345.
- Allred, K. 1996. Interim draft copy of a working index of New Mexico plant names incorporating changes from supplements 1-3. Privately published by the author. 245 pp.
- Allred, K. and J. Valdés-Reyna. 1997. The *Aristida pansa* complex and a key to the Divaricatae group of North America (Gramineae: Aristideae). *Brittonia* 49(1):54-66.
- Andersen, J. W. and R. J. Steinhoff. 1971. The taxonomy of *Pinus flexilis* and *P. strobiformis*. *Phytologia* 22(2):57-70.
- Anderson, D. E. 1974. Taxonomy of the genus *Chloris* (Graminae). *BYU Sci. Bull. Biol. Ser.* 19(2):1-133.
- Anderson, L. C. 1980. Morphology and biogeography of *Chrysothamnus nauseosus* ssp. *texensis* (Asteraceae): a new Guadalupe Mountains endemic. *SW Nat.* 25(2):197-206.
- Austin, D. F. 1990. Annotated checklist of New Mexico Convolvulaceae. *Sida* 14(2):273-386.
- Austin, D. F. 1992. Rare Convolvulaceae in the southwestern United States. *Ann. Mo. Bot. Gard.* 79:8-16.
- Averett, J. E. 1973. Biosystematic study of *Chamaesaracha* (Solanaceae). *Rhodora* 75:325-365.
- Bacon, J. D. 1984. Chromosome numbers and taxonomic notes in the genus *Nama* (Hydrophyllaceae) II. *Sida* 10(4):269-275.
- Bailey, H. E. and V. L. Bailey. 1965. Phylogenetic studies on the genus *Ptelia* (Rutaceae). Chromatography as an aid to clarification of taxonomic relationships between varieties of *Ptelia trifoliata* subsp. *angustifolia* and subsp. *pallida*. *Lloydia* 28(1):27-43.
- Bailey, V. L. 1962. Revision of the genus *Ptelea* (Rutaceae). *Brittonia* 14(1):1-44.
- Baker, M. 1999. [Report: Rare plant species survey in Last Chance Canyon and Sitting Bull Falls drainage]. Lincoln National Forest, Alamogordo, New Mexico. 14 pp.
- Ball, P. W. 1998. *Carex mckittrickensis* (Cyperaceae), a new species from Western Texas. *Novon* 8:220-224.
- Barkley, F. A. 1937. A monographic study of *Rhus* and its immediate allies in North and Central America, including the West Indies. *Ann. Mo. Bot. Gard.* 24:265-498.
- Barkley, T. M. 1978. *Senecio*. IN: North American Flora Ser. II. Part 10. Pp. 50-139.
- Barkley, T. M. 1980. Taxonomic notes on *Senecio tomentosus* and its allies (Asteraceae). *Brittonia* 32(3):291-308.
- Barneby, R. 1956. Pugillus astragalorum XVIII: Miscellaneous novelties and reappraisals. *Amer. Mid. Nat.* 55:477-503.
- Barneby, R. C. 1977. Daleae Imagines. *Mem. N. Y. Bot. Gard.* 27:1-892.
- Benson, L. 1968. The complexity of species and varieties of *Echinocereus pectinatus*. *Cac. Suc. J.* 40(3):119-127.
- Benson, L. 1969. The cacti of the United States and Canada. New Names and nomenclatural combinations. *Cac. Suc. J.* 41:185-190.
- Benson, L. 1982. The cacti of the United States and Canada. Stanford: Stanford University Press.
- Biddulph, S. F. 1944. A revision of the genus *Gaillardia*. *Res. Stud. St. Coll. Wash.* 12:195-256.
- Biernier, M. W. 2001. Taxonomy of *Hymenoxys* subgenus *Picradenia* and a conspectus of the subgenera of *Hymenoxys* (Asteraceae: Helenieae: Tetraneurinae). *Lundellia* 4:37-63.
- Biernier, M. A. and B. L. Turner. 2003. Taxonomy of *Tetraneuris* (Asteraceae: Helenieae: Tetraneurinae). *Lundellia* 6:44-96.
- Blake, S. F. 1918. A revision of the genus *Viguiera*. *Contr. Gray Herb.* 54:1-205.
- Blake, S. F. 1946. A new *Chaetopappa* from the Guadalupe Mountains of New Mexico and Texas. *Proc. Biol. Soc. Wash.* 49:47-48.
- Bleakly, D. 1998. A key to the Penstemons of New Mexico. *New Mexico Botanist* 9:1-6.
- Boivin, B. 1944. American thalictra and their Old World allies. *Rhodora* 46:337-377, 391-345, 453-487.
- Braunton, E. 1933. Cacti of the Rio Grande Valley. *Cac. Suc. J.* 5:419-421.
- Brinker, R. R. 1942. Monograph of *Schoenocaulon*. *Ann. Mo. Bot. Gard.* 29:287-314.
- Brown, R. C. 1978. Biosystematics of *Psilostrophe* (Compositae: Helenieae). II. Artificial hybridization and systematic treatment. *Madroño* 25(4):187-201.
- Burgess, T. L. and D. K. Northington. 1981. Plants of the Guadalupe Mountains and Carlsbad Caverns National Parks. *Chih. Desert Research Inst. Contr. No.* 107:1-173.

- Cantino, P. D. 1982. A monograph of the genus *Physostegia* (Labiatae). Contr. Gray Herb. 211:1-105.
- Castetter, E. F. and P. Pierce. 1966. *Escobaria leei* Bodeker rediscovered in New Mexico. Madroño 18:137-140.
- Chase, A. 1920. The North American species of *Cenchrus*. Contr. U. S. Natl. Herb. 22(1):45-77.
- Chase, A. 1929. The North American species of *Paspalum*. Contr. U. S. Natl. Herb. 28(1):1-310.
- Core, E. L. 1941. The North American species of *Paronychia*. Amer. Midl. Nat. 26(2):369-397.
- Correll, D. S. 1949. A preliminary survey of the distribution of Texas Pteridophyta. Wrightia 1(5):247-278.
- Correll, D. S. 1965. Some additions and corrections to the flora of Texas. Wrightia 3(7):126-140.
- Correll, D. S. 1966. Two new plants from Texas. Wrightia 3(8):188-191.
- Correll, D. S. 1966. Some additions and corrections to the flora of Texas - III. Rhodora 68:420-428.
- Correll, D. S. 1968. Some additions to the flora of Texas -IV. Madroño 19:187-192.
- Correll, D. S. 1968. Some additions and corrections to the flora of Texas V. Wrightia 4:25-28.
- Cory, V. L. 1937. The occurrence of *Talinum pulchellum* in Texas. Madroño 4:67-69.
- Crawford, D. J. 1977. A study of morphological variability in *Chenopodium incanum* (Chenopodiaceae) and the recognition of two new varieties. Brittonia 29:291-296.
- Crum, H. A. 1956. *Lindbergia brachyptera* in North America. Bryologist 59:201-212.
- Daniel, T. F. 1984. The Acanthaceae of the southwestern United States. Desert Plants 5(4):162-179.
- Daniel, T. F. 1985. A revision of *Stenandrium* (Acanthaceae) in Mexico and adjacent regions. Ann. Mo. Bot. Gard. 71(4):1028-1043.
- Denton, M. F. 1973. A monograph of *Oxalis* section *Ionoxalis* (Oxalidaceae) in North America. Publ. Mus. Mich. St. Univ. 4(10):455-615.
- Detling, L. E. 1939. A revision of North American species of *Descurainia*. Amer. Midl. Nat. 22(3):481-520.
- Dietrich, W., W. L. Wagner and P. Raven. 1997. Systematics of *Oenothera* section *Oenothera* subsection *Oenothera* (Onagraceae). Syst. Bot. Monogr. 50:1-234.
- Dillon, M. O. 1984. A systematic study of *Flourensia* (Asteraceae, Heliantheae). Fieldiana Bot. New Ser. 16:1-66.
- Dittmer, H. J., E. F. Castetter and O. M. Clark. 1954. The ferns and fern allies of New Mexico. Albuquerque: Univ. of New Mexico Press.
- Elisens, W. J. 1985. Monograph of the Maurandyinae (Scrophulariaceae - Antirrhineae). Syst. Bot. Monogr. 5:1-97.
- Enquist, M. and B. Crozier. 1995. *Anemone tuberosa* (Ranunculaceae) in Texas. Phytologia 78(6):428-445.
- Ensign, M. 1943. A revision of the celastraceous genus *Forsellesia* (*Glossopetalon*). Amer. Midl. Nat. 27:501-511.
- Epling, C. 1939. Notes on Scutellariae of western North America. Madroño 5:49-72.
- Fernald, M. L. 1950. *Adiantum capillus-veneris* in the United States. Rhodora 52:201-208.
- Fletcher, R. 1979. Black Canyon riparian vegetation [report]. 4 pp. [Cover letter by S. E. Woltering]
- Fletcher, R. 1980a. [Plants noted in Big Canyon drainage 5/21/80] 3 pp.
- Fletcher, R. 1980b. [Plants noted in the vicinity of Black Canyon Spring 5/22/80, with addendum] 3 pp.
- Frazier, C. K. 1999. A taxonomic study of *Philadelphus* (Hydrangeaceae) as it occurs in New Mexico. New Mexico Botanist 13:1-6.
- Gaiser, L. O. 1946. The genus *Liatris*. Rhodora 48:165-183, 216-263, 273-325, 331-382, 393-412.
- Gehlbach, F. R. 1965. Vascular plants of Carlsbad National Park, New Mexico, and adjacent Guadalupe Mountains (New Mexico-Texas). Published by the author. 16 pp.
- Gehlbach, F. R. and R. C. Gardner. 1988. Relationships of sugar maples (*Acer saccharum* and *A. grandidentatum*) in Texas and Oklahoma with special reference to relict populations. Tex. J. Sci. 35(3):231-238.
- Gentry, H. S. 1982. Agaves of continental North America. Tucson: Univ. Of Arizona Press.
- Gentry, J. L., Jr. and R. L. Carr. 1976. A revision of the genus *Hackelia* (Boraginaceae) in North America, north of Mexico. Mem. N. Y. Bot. Gard. 26(1):121-227.
- Gillis, W. T. 1971. The systematics and ecology of poison-ivy and the poisonoaks (*Toxicodendron*, Anacardiaceae). Rhodora 73:72-159, 161-273, 370-443, 465-540.
- Gould, F. W. 1957. New North American Andropogons of subgenus *Amphilophis* and a key to those species occurring in the United States. Madroño 14:18-29.
- Gould, F. W. 1959. The glume pit of *Andropogon barbinodis*. Brittonia 11:182-187.
- Grant, V. and D. H. Wilken. 1986. Taxonomy of the *Ipomopsis aggregata* group (Polemoniaceae). Bot. Gaz. 147(3):359-371.
- Grear, J. W. 1978. A revision of the New World species of *Rhynchosia* (Leguminosae - Faboideae). Mem. N. Y. Bot. Gard. 31(1):1-168.
- Gregory, D. P. and W. M. Klein. 1960. Investigations of meiotic chromosomes of six genera in the Onagraceae.

- Aliso 4(3):505-521.
- Griffiths, D. 1912. The grama grasses: *Bouteloua* and related genera. Contr. U. S. Natl. Herb. 14:343-428.
- Harms, V. L. 1965. Biosystematic studies in the *Heterotheca subaxillaris* complex (Compositae: Astereae). Trans. Kan. Acad. Sci. 62(2):244-257.
- Harms, V. L. 1968. Application of the name *Heterotheca viscida*. Rhodora 70:301-303.
- Hatch, S. L. and D. A. Bearden. 1983. *Stipa curvifolia* (Poaceae) - studies on a rare taxon. Sida 10(2):184-187.
- Haufler, C. H., R. C. Moran and M. D. Windham. 1993. *Cystopteris*. In: *Flora of North America 2*.
- Hauke, R. L. 1993. Equisetaceae. In: *Flora of North America 2*.
- Hawksworth, F. G. 1982. Mistletoes of New Mexico. Newsl. Native Plant Soc. NM 7(6):1-2.
- Hawksworth, F. G. and D. Wiens. 1972. Biology and classification of dwarf mistletoes (*Arceuthobium*). U. S. Dept. Agr. Forest Service Agriculture Handbook no. 401:1-234.
- Hawksworth, F. G. and D. Wiens. 1984. Biology and classification of *Arceuthobium*: an update. IN: Biology of dwarf mistletoes: proceedings of the symposium. Rocky Mtn. Forest and Range Exp. Station Gen. Tech. Rept. RM-111. Pp. 2-17.
- Hayes, F. 1988. A survey for *Hedeoma apiculatum*, McKittrick Pennyroyal. Report to Guadalupe Ranger District, Lincoln National Forest. 8 pp.
- Head, S. C. 1957. Mitotic chromosome studies in the genus *Astragalus*. Madroño 14:95-106.
- Heil, K. D. and S. Brack. 1984. Technical review draft recovery plan for Sneed pincushion cactus (*Coryphantha sneedii* var. *sneedii*) Lee pincushion cactus (*Coryphantha sneedii* var. *leei*). U. S. Fish and Wildlife Service, Albuquerque. 30 pp.
- Heil, K. D. and S. Brack. 1985. The cacti of Carlsbad Caverns National Park. Cactus & Succ. J. 57:127-134.
- Heiser, C. B., Jr. 1944. Monograph of *Psilostrophe*. Ann. Mo. Bot. Gard. 31:279-300.
- Henrickson, J. 1983. A revision of *Samolus ebracteatus* (*sensu lato*) (Primulaceae). SW Nat. 28(3):303-314.
- Henrickson, J. 1985. Systematics of *Leucophyllum* and *Eremogeton* (Scrophulariaceae). Sida 11(2):107-172.
- Henrickson, J. 1985. A taxonomic revision of *Chilopsis* (Boraginaceae). Aliso 11(2):179-197.
- Henrickson, J. 1987. A taxonomic reevaluation of *Gossypianthus* and *Guilleminea* (Amaranthaceae). Sida 12(2):307-337.
- Hershey, A. L. 1940. Notes on plants of New Mexico - II. Leaflet. W. Bot. 2(15):257-258.
- Hershey, A. L. and P. J. Leyendecker, Jr. 1944. Notes on plants of New Mexico - III. Leaflet. W. Bot. 4(2):21-25.
- Hess, W. J. and J. L. Reveal. 1976. A revision of *Eriogonum* (Polygonaceae) subgenus *Pterogonum*. Great Basin Nat. 36(3):281-333.
- Higgins, L. C. 1971. A revision of *Cryptantha* subgenus *Oreocarya*. B. Y. Univ. Sci. Bull. (Biol. Ser.) 13(4):1-63.
- Hitchcock, A. S. 1920. The North American species of *Chaetochloa*. Contr. U. S. Natl. Herb. 22(3):155-208.
- Hitchcock, A. S. and A. Chase. 1910. The North American species of *Panicum*. Contr. U. S. Natl. Herb. 15:1-396.
- Hitchcock, C. L. 1933. A taxonomic study of the genus *Nama*. I. Amer. J. Bot. 20:415-430.
- Hitchcock, C. L. 1936. The genus *Lepidium* in the United States. Madroño 3:265-320.
- Hitchcock, C. L. 1943. The xerophyllous species of *Philadelphus* in southwestern North America. Madroño 7:35-56.
- Hou, D. 1955. A revision of the genus *Celastrus*. Ann. Mo. Bot. Gard. 42:215-302.
- Hu, S. 1954-1956. A monograph of the genus *Philadelphus*. J. Arnold. Arb. 35(4):275-333. 36(1):52-109. 36(4):325-368. 37(1):15-90.
- Hughes, C. 1998. Monograph of *Leucaena* (Leguminosae - Mimosoideae). Syst. Bot. Monogr. 55:1-244.
- Irving, R. S. 1976. Chromosome numbers of *Hedeoma* (Labiatae) and related genera. Syst. Bot. 1:46-56.
- Irving, R. S. 1980. The systematics of *Hedeoma* (Labiatae) Sida 8(3):218-295.
- Isely, D. 1975. Leguminosae of the United States. II. Subfamily Caesalpinioideae. Mem. NY Bot. Gard. 25(2):1-228.
- Isely, D. 1981. Leguminosae of the United States. III. Subfamily Papilionidae: Tribes Sophoreae, Podalyrieae, Loteae. Mem. N. Y. Bot. Gard. 25(3):1-264.
- Jacobs, C. A. and J. H. Peck. *Pteridium*. In: *Flora of North America 2*.
- Jackson, R. C. 1960. Additions to the flora of New Mexico. Leaflets of Western Bot. 9(5):85-86.
- Johnson, D. M. 1986. Systematics of the New World species of *Marsilea* (Marsileaceae). Syst. Bot. Monogr. 11:1-87.
- Johnston, I. M. 1937. Studies in the Boraginaceae XII. J. Arnold Arb. 18:1-25.
- Johnston, I. M. 1948. Noteworthy species from Mexico and adjacent United States, II. J. Arnold Arb. 29:193-197.
- Johnston, I. M. 1961. Notes on some Texas borages. Wrightia 2(3):158-162.
- Johnston, L. A. 1975. Revision of the *Rhamnus serrata* complex. Sida 6(2):67-79.

- Johnston, M. C. 1962. Revision of *Condalia* including *Microrhamnus* (Rhamnaceae). *Brittonia* 14(4):332-368.
- Johnston, M. C. 1963. The species of *Ziziphus* indigenous to the United States and Mexico. *Amer. J. Bot.* 50:1020-1027.
- Johnston, M. C. and L. A. Johnston. 1978. *Rhamnus*. *Flora Neotropica* 20:1-96.
- Johnston, M. C. and B. H. Warnock. 1962. The four species of *Acalypha* (Euphorbiaceae) in far western Texas. *SW Nat.* 7(3-4):182-190.
- Jones, A. G. 1981. *Aster laevis* (Asteraceae) new for Texas - a significant range extension and a new variety. *Sida* 9(2): 172-175.
- Jones, G. N. 1940. A monograph of the genus *Symphoricarpos*. *J. Arnold Arb.* 21:201-252.
- Jones, G. N. 1946. American species of *Amelanchier*. *Univ. Ill. Biol. Monogr.* 20:1-100.
- Jones, S. D., J. K. Wipff and P. M. Montgomery. 1997. Vascular plants of Texas. A comprehensive checklist including synonymy, bibliography, and index. Austin: The University of Texas Press.
- Kapadia, Z. J. and F. W. Gould. 1964. Biosystematic studies in the *Bouteloua curtipendula* complex. IV. Dynamics of variation in *B. curtipendula* var. *caespitosa*. *Bull. Torr. Bot. Club.* 91(6):465-478.
- Keck, D. D. 1938. Studies in *Penstemon* VI. The section *Aurator*. *Bull. Torr. Bot. Club* 65:233-255.
- Knight, P. J. 1992. Supplement to the Guadalupe Mountain Report on the Forest Service portions of the southern Guadalupe Mountains. Report to Lincoln National Forest on *Hedeoma apiculatum*. 5 pp.
- Knobloch, I. W., W. Tai and T. N. Adangappuram. 1975. Chromosome counts in *Cheilanthes* and *Aspidotis* with a conspectus of the cytology of the Sinopteridaceae. *Amer. J. Bot.* 62(6):649-654.
- Knobloch, I. W., W. Tai and T. A. Ninan. 1973. The cytology of some species of the genus *Notholaena*. *Amer. J. Bot.* 60(1):92-95.
- Kral, R. 1993. *Pinus*. In: *Flora of North America* 2.
- Kuijt, J. 2003. Monograph of *Phoradendron* (Viscaceae). *Syst. Bot. Monogr.* 66:1-643.
- La Duke, J. C. 1981. A reevaluation of the *Fendlerianae* group of *Sphaeralcea* (Malvaceae). Unpubl. ms. at New Mexico State Univ. Herbarium.
- Lavin, M. and M. Sousa S. 1995. Phylogenetic systematics and biogeography of the tribe Robinieae (Leguminosae). *Syst. Bot. Monogr.* 45:1-165.
- Lerich, S. P. 1992. Distributional record of the Mexican orange, *Choisya dumosa* (Torr.) Gray, in Texas. *Tex. J. Sci.* 44(2):248.
- Lewis, W. H. 1962. Phylogenetic study of *Hedyotis* (Rubiaceae) in North America. *Amer. J. Bot.* 49:855-865.
- Lewis, W. H. 1965. Monograph of *Rosa* in North America. V. Subgenus *Hesperhodos*. *Ann. Mo. Bot. Gard.* 52(2): 99-113.
- Lewis, W. H. 1968. Notes on *Hedyotis* (Rubiaceae) in North America. *Ann. Mo. Bot. Gard.* 55(1):31-33.
- Lewis, W. H. and S. A. Davis. 1962. Cytological observations on *Polygala* in eastern North America. *Rhodora* 64:102-113.
- Lint, H. and C. Epling. 1945. A revision of *Agastache*. *Amer. Mid. Nat.* 33:207-230.
- Lipscomb, B. 1993. *Pseudotsuga*. In *Flora of North America* 2.
- Lloyd, R. M. 1966. [in: IOPB chromosome number report VIII] *Taxon* 15:279-284.
- Lucklow, M. 1993. Monograph of *Desmanthus* (Leguminosae - Mimosoideae). *Syst. Bot. Monogr.* 38:1-166.
- Lumkin, T. A. 1993. Azollaceae In: *Flora of North America* 2.
- Lundell, C. L. 1959. Studies of *Physostegia* - I. New species and observations on others. *Wrightia* 2(1):4-12.
- Mahler, W. F. [ND] Status reports on 90 Texas candidate species. Reprint to U. S. Fish and Wildlife Service, Albuquerque, NM.
- Mathias, M., L. Constance and W. L. Theobald. 1969. Two new species of Umbelliferae from the southwestern United States. *Madroño* 20:214-219.
- Maxon, W. R. 1925. Notes on American ferns XX. *Amer. Fern J.* 15:16-19.
- McKechnie, B. E. 1949. The mescal. *Cac. Suc. J.* 21(6):166-169.
- McKinney, L. E. 1992. A taxonomic revision of the acaulescent blue violets (*Viola*) of North America. *Sisa, Botanical Miscellany* No. 7:1-60.
- McVaugh, R. 1951. A revision of the North American black cherries (*Prunus serotina* Ehrh.) and relatives. *Brittonia* 7(4):279-315.
- McVaugh, R. 1952. Suggested phylogeny of *Prunus serotina* and other wide-ranging phylads in North America. *Brittonia* 7(5):317-346.
- Meyer, G. F. 1951. *Valeriana* in North America and the West Indies (Valerianaceae). *Ann. Mo. Bot. Gard.* 38(4): 377-427.



- Miller, K. I. and G. L. Webster. 1967. A preliminary revision of *Tragia* (Euphorbiaceae) in the United States. *Rhodora* 69:241-305.
- Montgomery, J. D. and W. H. Wagner, Jr. 1993. *Dryopteris* In: Flora of North America 2.
- Moore, W. O. 1967. The *Echinocereus enneacanthus - dubius - stramineus* complex (Cactaceae). *Brittonia* 19: 77-94.
- Mulford, I. 1896. A study of the agaves of the United States. *Ann. Rept. Mo. Bot. Gard.* 7:47-100.
- Muller, C. H. 1940. A revision of *Choisya*. *Amer. Midl. Nat.* 24:729-742.
- Munz, P. A. 1929. Studies in Onagraceae IV. A revision of the subgenera *Salpingia* and *Calylophis* of the genus *Oenothera*. *Amer. J. Bot.* 16:246-257.
- Munz, P. A. 1931. Studies in Onagraceae VI. The subgenus *Anogra* of the genus *Oenothera*. *Amer. J. Bot.* 18: 309-327.
- Munz, P. A. 1938. Studies in Onagraceae XI. A revision of the genus *Gaura*. *Bull. Torr. Bot. Club* 65:105-122, 211-228.
- Nelson, A. 1931. Rocky Mountain Herbarium studies I. *Amer. J. Bot.* 18:431-442.
- Nelson, A. 1934. Rocky Mountain Herbarium studies II. *Amer. J. Bot.* 21:573-582.
- Nelson, A. 1936. Rocky Mountain Herbarium studies IV. *Amer. J. Bot.* 23(4):265-271.
- Nesom, G. L. 1988. Synopsis of *Chaetopappa* (Compositae-Asteraceae) with a new species and the inclusion of *Leucalene*. *Phytologia* 64(6):448-456.
- Nesom, G. L. 1989. The *Solidago canadensis* (Asteraceae: Astereae) complex in Texas with a new species from Texas and Mexico. *Phytologia* 67:441-450.
- Nesom, G. L. 1990. Studies in the systematics of Mexican and Texan *Grindelia* (Asteraceae: Astereae). *Phytologia* 68(4):303-332.
- Nesom, G. L. 1991. Taxonomy of *Isocoma* (Compositae: Astereae). *Phytologia* 70(2):69-114.
- Nesom, G. L. 1992. A new species of *Castilleja* (Scrophulariaceae) from southcentral Texas with comments on other Texas taxa. *Phytologia* 72(3):209-230.
- Nesom, G. L. 1993. Three species of *Aster* (Asteraceae: Astereae) disjunct in northern Coahuila, Mexico. *Phytologia* 74(4):296-304.
- Nisbet, G. T. and R. C. Jackson. 1960. The genus *Penstemon* in New Mexico. *Univ. Kansas Sci. Bull.* 41(5): 691-759.
- Northington, D. K. 1976. Evidence bearing on the origin of infraspecific disjunction in *Sophora gypsophila* (Fabaceae). *Plant Syst. Evol.* 125:233-244.
- Northington, D. K. and T. L. Burgess. 1979. Status of rare and endangered plant species of the Guadalupe Mountains National Park, Texas. In: Genoways, H. H. and R. J. Baker, Eds. *Biological investigations in the Guadalupe Mountains National Park, Texas.* *Natl. Park Service Proc. & Trans. Series* 4:59-77.
- Northington, D. K., E. D. Mobey and T. R. Van Devender. 1977. Phyletic interpretations from fossil (ca. 16,000 B.P.) Remains of *Sophora* in the Southwestern United States. *SW Nat.* 22(4):495-504.
- Ogden, E. C. 1943. The broad-leaved species of *Potamogeton* of North America north of Mexico. *Rhodora* 45: 52-105, 119-163, 171-214.
- Olmstead, R. G. 1990. Systematics of the *Scutellaria angustifolia* complex (Labiatae). *Contr. Univ. Mich. Herb.* 17: 223-265.
- Ownbey, G. B. 1958. Monograph of the genus *Argemone* for North America and the West Indies. *Mem. Torr. Bot. Club* 21(1):1-159.
- Ownbey, M. 1950 (1951). The genus *Allium* in Texas. *Res. Stud. St. Coll. Wash.* 18:181-222.
- Payson, E. B. 1918. North American species of *Aquilegia*. *Cont. U. S. Natl. Herb.* 20(4):133-157.
- Payson, E. B. 1921. A monograph of the genus *Lesquerella*. *Ann. Mo. Bot. Gard.* 8:103-236.
- Pennell, F. W. 1940. Scrophulariaceae of Trans-Pecos Texas. *Proc. Acad. Nat. Sci. Phila.* 92:289-308.
- Peterson, P. M. and C. R. Annable. 1990. A revision of *Blepharoneuron* (Poaceae: Eragrostidae). *Syst. Bot.* 15(4): 515-525.
- Peterson, P. M. and C. R. Annable. 1991. Systematics of the annual species of *Muhlenbergia* (Poaceae - Eragrostidae). *Syst. Bot. Monogr.* 31:1-109.
- Pinkava, D. J. 1967. Biosystematic study of *Berlandiera* (Compositae). *Brittonia* 19:285-298.
- Porter, C. L. 1956. The genus *Peteria* (Leguminosae). *Rhodora* 58:344-354.
- Powell, A. M. 1959. The species of *Galium* (Rubiaceae) in Trans-Pecos Texas. *Tex. J. Sci.* 11(4):455-459.
- Powell, A. M. 1969. Taxonomy of *Perityle* section *Pappothrix* (Compositae - Peritylanae). *Rhodora* 71:58-93.
- Powell, A. M. and S. A. Powell. 1978. Chromosome numbers in Asteraceae. *Madroño* 25:160-169.

- Powell, A. M., A. D. Zimmerman and R. A. Hilsenbeck. 1991. Experimental documentation of natural hybridization in Cactaceae: origin of Lloyd's Hedgehog Cactus, *Echinocereus X lloydii*. *Pl. Syst. Evol.* 178:107-122.
- Pringle, J. S. 1971. Taxonomy and distribution of *Clematis*, sect. *Atragne* (Ranunculaceae), in North America. *Brittonia* 23:361-393.
- Raven, P. H. and D. P. Gregory. 1972. A revision of the genus *Gaura* (Onagraceae). *Mem. Torr. Bot. Club* 23(1): 1-96.
- Reeder, C. 1985. The genus *Lycurus* (Graminae) in North America. *Phytologia* 57(4):283-291.
- Reveal, J. L. 1968. Notes on Texas Eriogonums (Polygonaceae). *Sida* 3(4):195-205.
- Richardson, A. T. 1977. Monograph of the genus *Tiquilia* (*Coldenia sensu lato*), Boraginaceae, Ehretioideae. *Rhodora* 79:467-572.
- Riskind, D. H. 1974. The rare and endangered flora of the Guadalupe Mountains National Park. Report to the Chief, Southwest Region National Park Service, Santa Fe, NM. 15 pp.
- Robins, R. L. 1983. A systematic study of indehiscent-fruited yuccas in the Chihuahuan Desert. Ph.D. Diss. Texas Tech Univ.
- Rogers, C. M. 1963. Studies in *Linum*: *L. imbricatum* and *L. hudsonioides*. *Rhodora* 65:50-55.
- Rogers, C. M. 1964. Yellow-flowered *Linum* (Linaceae) in Texas. *Sida* 1(6):328-336.
- Rogers, C. M. 1968. Yellow-flowered species of *Linum* in Central America and western North America. *Rhodora* 20:107-135.
- Rollins, R. C. 1943. Generic revisions in the Cruciferae: *Halimolobos*. *Contr. Dudley Herb.* 3(8):241-288.
- Rollins, R. C. 1980. The genus *Pennellia* (Cruciferae) in North America. *Contr. Gray Herb.* 210:5-20.
- Rollins, R. C. 1982. Species of *Draba*, *Lesquerella*, and *Sibara* (Cruciferae). *Contr. Gray Herb.* 211:107-113.
- Rollins, R. C. 1982. *Thelypodopsis* and *Schoenocrambe* (Cruciferae). *Contr. Gray Herb.* 212:71-102.
- Rollins, R. C. 1993. The Cruciferae of continental North America. Stanford: Stanford Univ. Press.
- Russell, N. H. 1965. Violets (*Viola*) of central and eastern United States: an introductory survey. *Sida* 2(1):1-113.
- Rydberg, P. A. 1901. The oaks of the continental divide north of Mexico. *Bull. NY Bot. Gard.* 2:187-233.
- Sanders, R. W. 1978. Taxonomy of *Agastache* section *Brittonastrum* (Lamiaceae - Nepeteae). *Syst. Bot. Monogr.* 15:1-92.
- Scora, R. W. 1967. Interspecific relationships in the genus *Monarda* (Labiatae). *U. Calif. Publ. Bot.* 41:1-71.
- Semple, J. C. 1996. A revision of *Heterotheca* sect. *Phyllotheca* (Nutt.) Harms (Compositae: Astereae): the prairie and montane goldasters of North America. *Univ. Waterloo Biol. Ser.* 37:1-164.
- Semple, J. C., J. G. Chmielewski and M. A. Lane. 1989. Chromosome number determinations in fam. Compositae, tribe Astereae, III. Additional counts and comments on generic limits and ancestral base numbers. *Rhodora* 91:296-314.
- Shinners, L. H. 1946a. Revision of the genus *Chaetopappa* DC. *Wrightia* 1(2):63-81.
- Shinners, L. H. 1946b. Revision of the genus *Leucelene* Greene. *Wrightia* 1(2):82-89.
- Shinners, L. H. 1951. [Notes] *Pinaropappus roseus* var. *foliosus* (Heller) Shinners, *comb. nov.* *Field and Lab.* 19:48.
- Shinners, L. H. 1962. New names in *Arenaria* (Caryophyllaceae). *Sida* 1:49-52.
- Shinners, L. H. 1963. *Gilia* and *Ipomopsis* (Polemoniaceae) in Texas. *Sida* 1(3):171-179.
- Shinners, L. H. 1964. New Names and records for Texas Compositae. *Sida* 1(6):373-379.
- Simpson, B. B. 1999. A revision of *Hoffmannseggia* (Fabaceae) in North America. *Lundellia* 2:14-54.
- Sivinski, R. 1998. Annotated checklist of the genus *Allium* (Liliaceae) in New Mexico. *NM Nat.* 1(1):43-55.
- Sivinski, R. 1999. Kuenzler's cactus: wildfire study, Lincoln National Forest. 6 pp.
- Sivinski, R., T. Lowrey and R. Peterson. 1994. Additions to the native and adventive flora of New Mexico. *Phytologia* 76(6):473-479.
- Snyder, L. A. and J. R. Harlan. 1953. A cytological study of *Bouteloua gracilis* from western Texas and eastern New Mexico. *Amer. J. Bot.* 40:702-707.
- Soreng, R. J. and S. L. Hatch. 1983. A comparison of *Poa tracyi* and *Poa occidentalis* (Poaceae: Poeae). *Sida* 10(2): 123-141.
- Spellenberg, R. 1976. [*Aquilegia chaplinei* Report] Submitted to Lincoln National Forest, Alamogordo, New Mexico. 6 pp.
- Spellenberg, R. and S. R. Rodriguez Tijeriana. 2001. Geographic variation and taxonomy of North American species of *Mirabilis*, section *Oxybaphoides* (Nyctaginaceae). *Sida* 19(3):539-570.
- Spellenberg, R. and T. Wootten. 1999. Vascular plants on a gypsum outcrop in southern New Mexico: A listing, a new variety and taxonomic rearrangements in the *Annulocaulis leiosolenus* complex (Nyctaginaceae), and a new variety of *Mentzelia humilis* (Loasaceae). *SIDA* 18(4):987-1000.

- Spellenberg, R. R. Worthington, P. Knight and R. Fletcher. 1986. Additiona to the flora of New Mexico. *Sida* 11(4):455-470.
- Spooner, D. M., R. G. van den Berg, A. Rodriguez, J. Bamberg, R. J. Hijmans, S. I. Lara Cabrera. 2004. Wild potatoes (*Solanum* section *Petota*; Solanaceae) of North and Central America. *Syst. Bot. Monogr.* 68:1-209.
- Standley, P. C. 1914. The genus *Choisya*. *Proc. Biol. Soc. Wash.* 27:221-224.
- Stevenson, D. W. 1993. Ephedraceae. In: *Flora of North America* 2.
- Steyermark, J. A. 1932. Some new spermatophytes from Texas. *Ann. Mo. Bot. Gard.* 19:389-
- Steyermark, J. A. 1934. Studies in *Grindelia*. II. A monograph of the North American species of the genus *Grindelia*. *Ann. Mo. Bot. Gard.* 21:433-608.
- Strother, J. L. 1969. Systematics of *Dyssodia* Cavanilles (Compositae: Tageteae). *U. Cal. Publ. Bot.* 48:1-88.
- Strother, J. L. 1972. Chromosome studies in western North American Compositae. *Amer. J. Bot.* 59(3):242-247.
- Strother, J. L. 1977. Taxonomy of *Chrysactina*, *Harnackia*, and *Lescaillea* (Compositae: Tageteae). *Madroño* 24:129-139.
- Stuessy, T. F. 1970. Chromosome studies in *Melampodium* (Compositae, Heliantheae). *Madroño* 20:365-372.
- Stuessy, T. F. 1971. Systematics relationships in the white-rayed species of *Melampodium* (Compositae). *Brittonia* 23:177-190.
- Svensen, H. K. 1939. Monographic studies in the genus *Eleocharis* - V. *Rhodora* 41:1-19, 43-77, 90-111.
- Swallen, J. R. 1932. Five new grasses from Texas. *Amer. J. Bot.* 19:436-442.
- Terrell, E. E. 1996. Revision of *Houstonia* (Rubiaceae - Hedyotideae). *Syst. Bot. Monogr.* 48:1-118
- Terrell, E. E. 2001. Taxonomy of *Stenaria* (Rubiaceae: Hedyotideae), a new genus including *Hedyotis nigricans*. *Sida* 19(3):591-614.
- Terrell, E. E. 2001. Taxonomic review of *Houstonia acerosa* and *H. palmeri* with notes on *Hedyotis* and *Oldenlandia* (Rubiaceae). *Sida* 19(4):913-922.
- Tharp, B. C. and F. A. Barkley. 1949. The genus *Ruellia* in Texas. *Amer. Midl. Nat.* 42:1-86.
- Timdal, E. 1986. A revision of *Psora* (Lecideaceae) in North America. *Bryologist* 89(4):253-275.
- Towner, H. F. 1977. The biosystematics of *Calylophus* (Onagraceae). *Ann. Mo. Bot. Gard.* 64:48-120.
- Trelease, W. 1911. Revision of the agaves of the group *Applanatae*. 22nd Ann. Rept. Mo. Bot. Gard. Pp. 85-97.
- Tryon, A. F. 1955. *Selaginella rupestris* and its allies. *Ann. Mo. Bot. Gard.* 42:1-94.
- Tryon, A. F. 1957. A revision of the fern genus *Pellaea* section *Pellaea*. *Ann. Mo. Bot. Gard.* 44(2):125-193.
- Tryon, A. F. 1972. Spores, chromosomes and relations of the fern *Pellaea atropurpurea*. *Rhodora* 74:220-241.
- Tucker, J. M. 1961. Studies in the *Quercus undulata* complex I. Preliminary statement. *Amer. J. Bot.* 48:202-208.
- Turner, B. L. 1956. A cytotaxonomic study of the genus *Hymenopappus* (Compositae). *Rhodora* 58:163-186, 208-242, 250-269, 295-308.
- Turner, B. L. 1984. Taxonomy of the genus *Aphanostephus* (Asteraceae - Astereae). *Phytologia* 56(2):81-101.
- Turner, B. L. 1991. An overview of the North American species of *Menodora* (Oleaceae). *Phytologia* 71:340-356.
- Turner, B. L. 1993. The Texas species of *Centaurium* (Gentianaceae). *Phytologia* 75(3): 259-275.
- Turner, B. L. 1993. Texas species of *Mirabilis* (Nyctaginaceae). *Phytologia* 75(6):432-451.
- Turner, B. L. 1994. Taxonomic overview of *Gilia* sect. *Giliastrum* (Polemoniaceae) in Texas and Mexico. *Phytologia* 76(1):52-68.
- Turner, B. L. 1994a. A taxonomic overview of *Scutellaria*, section *Resinosa* (Lamiaceae). *Phytologia* 76:345-382.
- Turner, B. L. 1994b. Revisionary study of the genus *Allionia* (Nyctaginaceae). *Phytologia* 77:45-55.
- Turner, B. L. 1996. Synoptical study of *Rhus virens* (Anacardiaceae) and closely related taxa. *Phytologia* 80(5):368-376.
- Turner, B. L. 1996. Synoptical study of *Acacia angustissima* (Mimosaceae) complex. *Phytologia* 81(1):10-15.
- Turner, B. L. 1998. Texas species of *Glandularia* (Verbenaceae). *Lundellia* 1:3-16.
- Turner, B. L. and R. Hartman. 1976. Intraspecific categories of *Machaeranthera pinnatifida* (Compositae). *Wrightia* 5(8):308-316.
- Turner, R. 1987. [Memorandum documenting a population of *Hedeoma apiculatum* near Sentinel Cave on Gunsight Ridge] Guadalupe Ranger District, Lincoln National Forest. 2 pp.
- Valdespino, I. A. 1993. Selaginellaceae. In: *Flora of North America* 2.
- Van Devender, T. R. 1975. [Unpublished plant list for Dark Canyon Cave, 7 mi. SW of Carlsbad] 2 pp.
- Van Devender, T. R. 1977. [Unpublished plant list for Last Chance Canyon, 5 mi. E of Sitting Bull Falls] 2 pp.
- Van Devender, T. R. 1980. Holocene plant remains from Rocky Arroyo and Last Chance Canyon, Eddy County, New Mexico. *SW Nat.* 25(3):361-372.
- Vitt, D. H. And P. Lee. 1984. *Anomodon minor* (Musci: Leskeaceae) in North America. *Bryologist* 87(4):338-339.

- Wagner, Jr., W. H. and F. S. Wagner. 1993. Ophioglossaceae. In: Flora of North America 2.
- Wagner, Jr., W. H., R. C. Moran and C. R. Werth. 1993. Aspleniaceae. In: Flora of North America 2.
- Wagner, W. L., R. E. Stockhouse and W. M. Klein. 1985. The systematics and evolution of the *Oenothera caespitosa* species complex (Onagraceae). *Monographs in Syst. Bot.* 12:1-103.
- Walker, J. B. And W. J. Elisens. 2001. A revision of *Salvia* section *Heterosphace* (Lamiaceae) in western North America. *Sida* 19(3):571-589.
- Ward, D. E. and R. Spellenberg. 1986. Chromosome counts of angiosperms of western North America. *Phytologia* 61:119-125.
- Ward, D. E. and R. Spellenberg. 1988. Chromosome counts of Angiosperms from New Mexico and adjacent areas. *Phytologia* 64(5):390-398.
- Warnock, B. H. 1960. *Bahia woodhousei* in extreme western Texas. *Wrightia* 2(3):74.
- Warnock, B. H. 1974. Wildflowers of the Guadalupe Mountains and the sand dune country, Texas. Alpine: Sul Ross State University. [Carlsbad Caverns National Park (Walnut Canyon) plant list]
- Watson, F. D. and J. E. Eckenwalder. 1993. Cupressaceae. In: Flora of North America 2.
- Webster, G. L. 1970. A revision of *Phyllanthus* (Euphorbiaceae) in the continental United States. *Brittonia* 22:44-76.
- Wendt, T. and T. K. Todsén. 1982. A new variety of *Polygala rimulicola* (Polygalaceae) from Doña Ana County, New Mexico. *Madroño* 29:19-21.
- Weniger, D. 1969. The small-flowered echinoceri of Texas and New Mexico. *Cac. Suc. J.* 41:34-43.
- Wheeler, L. C. 1941. *Euphorbia* subgenus *Chamaesyce* in Canada and the United States exclusive of southern Florida. *Rhodora* 43:97-145, 168-205, 223-286.
- Wherry, E. T. 1946. The *Gilia aggregata* group. *Bull. Torr. Bot. Club* 73:194-202.
- Whitehouse, E. and F. McAllister. 1954. The mosses of Texas. A catalogue with annotations. *Bryologist* 57:63-146.
- Wilson, P. And D. H. Norris. 1989. *Pseudoleskeella* in North America and Europe. *Bryologist* 92(3):387-396.
- Windham, M. D. 1993. Sections Pteridaceae and *Woodsia* In: Flora of North America 2.
- Woodson, R. E., Jr. 1954. The North American species of *Asclepias*. *Ann. Mo. Bot. Gard.* 41(1):1-211.
- Wooton, E. O. and P. C. Standley. 1915. Flora of New Mexico. *Contr. U. S. Natl. Herbarium* 19:1-794.
- Wooton, E. O. and P. C. Standley. 1915. The ferns of New Mexico. *Amer. Fern J.* 5:65-78.
- Worthington, R. D. 1999a. Summary report: survey for Kuenzler=s Cactus, *Echinocereus fendleri* (Engelm.) Engelm. *ex* Rümpler var. *kuenzleri* (Castetter, Pierce & Schwerin) Benson in the Guadalupe Mountains, Lincoln National Forest. 5 pp. plus appendix of field notes and photographs.
- Worthington, R. D. 1999b. Monitoring of populations of *Hedeoma apiculatum* Stewart (Lamiaceae) in the Lincoln National Forest, Guadalupe Mountains, Eddy Co., New Mexico. Unpublished report to Lincoln Natl. Forest, Alomogordo, NM. 6 pp.
- Yatskievych, G. 1993. *Phanerophlebia*. In: Flora of North America 2.
- Yatskievych, G. and C. T. Mason, Jr. 1984. A taxonomic study of *Ipomoea tenuiloba* Torrey (Convolvulaceae) with notes on related species. *Madroño* 31(2):102-108.
- Zanoni, T. A. 1978. The American junipers of the section *Sabina* (Juniperus, Cupressaceae) - a century later. *Phytologia* 38(6):433-454.
- Zanoni, T. A. and R. P. Adams. 1975. Southern range extension of *Juniperus scopulorum* Sarg. (Cupressaceae) into Mexico. *SW Nat.* 20(1):136-137.

