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**AN ANNOTATED CHECKLIST AND INVENTORY
OF THE FLORA OF THE
ORGAN MOUNTAINS, DOÑA ANA COUNTY, NEW MEXICO**

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INTRODUCTION

The Organ Mountains are located about 10 miles east of Las Cruces in southern Doña Ana County, New Mexico. They are located within the Mexican Highlands portion of the Basin and Range Physiographic Province. The Organs are a scenic range owing to their sawtooth profile of stark peaks, ridges, deep canyons and needles or aiguilles. Organ Peak rises one mile above the elevation of the nearby Rio Grande to 9012 ft. (2747 m). Broad alluvial fans radiate out from three sides and the Organs are connected to the north at San Augustin Pass to the San Andres Mts. (San Augustin Mts.). The Organs have a basal area of over 100 square miles (259 km²).

The alluvial base of the Organ Mts. has an elevation of about 5000 ft. (1524 m) Organ Needle is the highest peak (2747 m). Other landmark peaks are Baldy Peak (2574 m), Rabbit Ears (2484 m) And Soledad Peak (2484 m). Most of the central high part of the Organs is drained by Soledad Canyon which has the greatest watershed and Filmore Canyon.

Ownership of the Organ Mts. is complex. The Department of Defense owns most of the southeast quarter of the range. Part of this area is an artillery range. The northeast part of the Organs is part of White Sands Missile Range. The Bureau of Land Management controls most of the western half of the Organs. Private ownership consists of patented mining claims and homesteads mostly on the lower west side and at the town of Organ.

GEOLOGY

The geology of the Organ Mts. has most recently been described by Seager (1981) and the facts cited below are abstracted from that source. The earlier work by Dunham (1935) is also a useful source as is the thesis by Kramer (1970) on the geology of the Bishop Cap Hills. Soils of the region have been described by Bullock and Neher (1980).

The Organ Mts. are part of a 150 mile long west-tilted fault block extending from central New Mexico to El Paso, Texas. The rock and substrate types represented are Precambrian granite, Tertiary quartz monzonite, rhyolite tuffs, marine Paleozoic Cretaceous limestones and several generations of alluvial fans of middle Pliocene to Recent age. Pyroclastic rock, 3.22 km thick, is part of the Organ Batholith, a magma chamber that erupted as pyroclastic flows and lavas 33-33.7 million years ago. The highest peaks are made of quartz monzonite that is underlain by rhyolite tuffs conspicuous in Ice, Filmore, North and other canyons. Rattlesnake Ridge at the southeast end of the mountain range is composed of Precambrian granite at the north end and Paleozoic limestone for the remainder of its length. The Bishop Cap Hills are isolated from the southwestern margin of the Organ Mts. by an alluvial fan. They are composed of five north-trending fault-blocks of Paleozoic limestone, dolomite and shale (Kramer, 1970). Bishop p Peak rises 900 ft. (274 m) above the valley floor to an elevation of 5419 ft. (1652 m).

CLIMATE

Weather data are available for low elevation sites near the Organ Mts. (Las Cruces; Jornada Experimental Range; White Sands Missile Range; El Paso, Texas; etc.) through the National Climatic Data Center (see:<http://www.ncdc.noaa.gov/>). A number of published climatic summaries and data for the region can be reviewed (Hardy, 1941; Dick-Peddie & Moir, 1970; Kramer, 1970; Bullock & Neher, 1980; Giles *et al.*, 1981; Kunkel *et al.*, 1988; *et al.*). For the years 1968-1972, rainfall was measured high in the Organ Mts. (2591 m).

The average annual precipitation at low elevation sites around the Organ Mts. is about 8 inches (20 cm). Most rainfall falls during a summer monsoon season in thunderstorms that can be violent. Winter rainfall is highly variable, but can be abundant during occasional El Niño years. The hottest month is July with an average temperature of 79-80°F (26°C) and the coldest month is January averaging about 40°F (5°C). Recorded extreme temperatures for the area are -10°F to 114°F. Las Cruces has about 210 frost-free days and an open pan evaporation rate of 90" (230 cm).

Dick-Peddie and Moir (1970) used formulas to predict the climate above 8000 ft. (2400 m) in the Organ Mts. They postulated an average annual rainfall of 15-20" (40-50 cm), an average July temperature of 16°C and an average January temperature of -3°C. Actual rainfall measurements at 2591 m in the Organ Mts. over a five year period were 19.2" (1968, June-Dec.), 19.15" (1969), 14.88" (1970), 14.94" (1971), 28.84" (1972).

Climatic changes from the Pleistocene to Recent periods have been estimated by others using different lines of evidence. Seager (1981) studied the geology of the mountains and interpreted some of what he observed to have been massive mudflows that discharged down Filmore and other canyons during the Pleistocene into Recent. He suggested that permanent snowfields may have existed beneath the peaks during parts of the Pleistocene. Plant and animal remains recovered from ancient packrat middens found in the Bishop Cap Hills and San Andres Mts. have been used to reconstruct the composition of past communities and the climate necessary to support them (Van Devender & Everitt, 1977; Lanner & Van Devender, 1981; Van Devender & Toolin, 1983; Van Devender, 1986; Elias & Van Devender, 1992). The present Chihuahuan Desert vegetation appears to have developed over the last 4000 years and was preceded by a more mesic pinyon pine and juniper woodland during the last glacial period of the Pleistocene when conditions had to be cooler and wetter than present (Van Devender, 1986, 1990). The most recent historic climate changes have been studied utilizing dead juniper trees (Earl and Bash, 1996).

HISTORICAL OVERVIEW OF BOTANICAL EXPLORATIONS IN THE ORGAN MOUNTAINS

The first botanical explorer in the region was A. Wislizenus who visited Doña Ana in 1846 (Wislizenus, 1848). Notable among his finds from near Doa Ana was the first collection of the southwestern barrel cactus [*Ferocactus wislizenii* (Engelm.) Britt. & Rose].

The first plant collections from the Organ Mts. were made by Charles Wright on an expedition into the mountains on 29-30 April, 1852 (Wooton, 1906). Among his collections were part of the type collection of *Thlaspi montanum* L. var. *fendleri* (Gray) Holmgren and the first lichen to be collected in the range [*Lasalla pustulata* (L.) Merat ssp. *papulosa* (Ach.) W. A. Weber; Llano, 1950]. At about the same time (same year?) as Wright's visit to the Organ Mts., C. C. Parry, a botanist and geologist on the Mexican Boundary Survey, visited the Organ Mts. and made plant collections. The following year (1853), J. M. Bigelow collected in the Organ Mts. He was part of Whipple's exploring expedition that was searching for a route to California. Bigelow collected the type for *Phlox longifolia* Nutt. var. *stansburyi* (Torr.) Gray (Torrey, 1859) from "gravelly hills near the Organ Mountains, New Mexico." Many of the collections made by Wright, Parry and Bigelow are cited by Torrey (1859).

The Organs were next visited by G. R. Vasey in 1881 (Standley, 1910). Townsend (1893) visited the Organ Mts. and published a brief overview of the vegetation. However, it was the arrival of Elmer Ottis Wooton at the New Mexico College of Agricultural and Mechanical Arts (New Mexico State University) in 1890 that a serious study of the flora of the nearby Organ Mts. was begun. His student, O. B. Metcalfe, completed a thesis on the flora of the Mesilla Valley in 1903 that included a discussion of the life zones and a lengthy list of plants from the Organ Mts. (Metcalfe, 1903). Wooton made collections until he departed for a position in Washington, DC., in 1911. He described many species from collections he made in the Organ Mts. and coauthored with Paul C. Standley the first state flora (Wooton & Standley, 1915). For a period of time the Organ Mts. were one of the best known mountain floras in western North America (Standley, 1910).

After Wooton departed in 1911 little collecting was done in the Organs for many years. F. R. Fosberg collected at the south end of the Organ Mts., the Bishop Cap Hills and in the Rio Grande valley from July into October, 1930 (Fosberg, 1940). He was part of a team from the L. A. County Museum that excavated some cave deposits in the Bishop Cap Hills. His collections are now at RSA-POM with some duplicates at UTEP. Some collections were made in the Organ Mts. and added to the herbarium at New Mexico State University by A. L. Hershey (1935-1941) and D. B. Dunn (1950-1952). Renewed interest in the flora of the Organ Mts. started in the late 1960's with the vegetation research conducted by W. A. Dick-Peddie (Dick-Peddie & Moir, 1970) and the arrival of Richard Spellenberg as curator of the herbarium at New Mexico State University. Interest in the flora of the Organ Mts. has increased steadily over the years.

Since 1980, significant collections have been made in the Organ Mts. by all of the contributors to this report and various graduate students and other interested parties including D. E. Ward, R. Soreng, T. K. Todsén, R. Odom and L. McIntosh. In 1982 L. R. Stark and R. C. Castetter published a study of the mosses and liverworts of the Organ Mts. With the passing of the Environmental Protection Act a number of funded projects have been undertaken in recent years. Notable among these is the comprehensive survey done on Fort Bliss property by E. Muldavin, P. Mehlhop and E. DeBruin (Muldavin *et al.*, 1994; DeBruin *et al.*, 1994).

The largest collection of vascular plants from the Organ Mts. is at New Mexico State University (NMC). It contains most of Wooton's collections including types and recent collections. Wooton exchanged his duplicates widely. One will find references to Wooton

collections at other herbaria including GH, US, NM and MO. Significant collections are also at UTEP, BLIS, NMCR, UNM and WSMR. The mosses and liverworts collected by Stark and Castetter are now at MO with the next largest grouping collected by Worthington at COLO and UTEP. The lichens have been sampled by Worthington and the collections are at COLO and UTEP.

ENDEMISM

The rugged profile of the Organ Mts. is a clear indication that the range is relatively young in a geologic sense. Since endemism relates directly to degree of isolation and age, a high degree of endemism would not be expected. Many species were described from the Organ Mts. that were originally thought to be endemic. Most have been reduced to synonymy in more wide ranging taxa. The following species are known to occur only in the Organ Mts.: *Coryphantha organensis* D. Zim-merman (Cactaceae); *Oenothera organensis* Munz (Onagraceae); *Perityle cernua* (Greene) Shinnars (Asteraceae); *Castilleja organorum* Standl. (Scrophulariaceae), *Scrophularia laevis* Woot. & Standl. (Scrophulariaceae).

COMPOSITION OF THE FLORA

The diversity of the Organ Mts. flora is summarized in the table below. The numbers or counts are not fixed as they reflect a certain amount of interpretation, both taxonomic and in regards to which species to include that were reported from near the mts.. Furthermore, new finds will expand the list and future taxonomic studies will also create changes. The poorest known group, the lichens, is expected to expand significantly over the years. The other groups are well known, but one can count on new finds being made.

	GENERA	SPECIES
LICHENS		
BRYOPHYTA (Mosses)		
HEPATOPHYTA (Liverworts)		
POLYPODIOPHYTA (Ferns and Allies)		
LYCOPODIOPHYTA (Spikemosses)		
CONIFEROPHYTA (Conifers)		
GNETOPHYTA (Jointfirs)		
MAGNOLIOPHYTA (Flowering Plants)		
MAGNOLIOPSIDA (Dicots)		

LILIOPSIDA (Monocots)

TOTALS:

SCOPE OF THIS PROJECT

For more than a century, information has been accumulating on the floral composition of the Organ Mountains. That information has been scattered in the literature and as specimens in regional and national herbaria. A number of federal governmental agencies, the state of New Mexico, conservation groups, the local universities, regional environmentalists, and other interested parties, have information on the Organ Mts. flora and could use information held by others. Together with an increased utilization of the Organ Mts., a significant need exists for drawing the available information together. Furthermore, the biotic diversity of any mountain mass is worthy of study for its scientific merit.

The approach that was utilized to compile this information consisted of: 1) as thorough a search of the literature as our time, energy and resources permitted, 2) a review of the voucher specimens in the regional herbaria (NMC, UTEP, NMCR, BLIS, WSMR, and part of UNM), 3) a systematic sampling of the flora including cryptogams by one of us (Worthington) over a 15 year period. To increase the utility of this report we have included one or more references to the latest systematic treatment for each genus. Each entry has selected synonyms where we thought appropriate to include them and a documentation line consisting of literature references and the location of voucher specimens in regional herbaria.

We have defined the Organ Mts. and the inventory area as the main mountain mass from San Augustin Pass southward including the somewhat isolated Bishop Cap Hills. We include at least the higher portion of the alluvial fan or bajada. This is the area treated geologically by Seager (1981). Records that are marginal to the area are clearly noted so that others can use the information and interpret the flora in other ways. An example of the most common peripheral records are some collections by Wootton bear a locality "mesa west of the Organ Mts." that are probably the lower bajada of the Organs just east of Las Cruces.

No inventory is ever complete. We think this is among the most complete for any southwestern mountain mass. When looking at the inventory, some obvious things seem to be missing such as walnut trees (*Juglans* sp.) and yellowbells (*Tecoma stans* (L.) Juss.). The one spruce tree seen in the Organs has not yet been vouchered, so we do not know which of two species it might be. We hope that others who make new discoveries in the Organs will share that information with the compilers of this report.

ACKNOWLEDGEMENTS

[TO BE COMPLETED LATER]

LICHENS

This list of lichens from the Organ Mts. is the result of a reasonably intense collecting effort made by R. Worthington over a number of years. The majority of the determinations were made by W. A. Weber at the University of Colorado Museum (COLO) where a set of vouchers is deposited. Duplicates of the vouchers are deposited at UTEP. The list must be viewed as preliminary and far from complete.

- ACAROSPORA BADIOFUSCA (Nyl.) Th. Fr.
ACAROSPORA CHLOROPHANA (Wahlenb.) Mass.
ACAROSPORA SCHLEICHERI (Ach.) Mass.
ACAROSPORA SMARAGDULA (Wahlenb.) Mass.
[UTEP, Bishop Cap Hills on limestone]
ASPICILIA CAESIOCINEREA (Nyl. ex Malbr.) Arnold
BUELLIA NOVOMEXICANA B. de Lesd.
BUELLIA RETROVERTENS Tuck.
[UTEP, Bishop Cap Hills on limestone]
BUELLIA SPURIA (Schaerer) Anzi
CALOPLACA CERINA (Ehrh. ex Hedwig) Th. Fr.
CALOPLACA FLAVORUBESCENS (Huds.) Laundon
CALOPLACA FLAVOVIRESCENS (Wulf.) Dalla Torre & Sornth.
CALOPLACA MICROPHYLLINA (Tuck.) Hasse
CALOPLACA MODESTA Zahlbr.
[UTEP, Bishop Cap Hills on limestone and Pena Blanca area]
CALOPLACA PELODELLA (Nyl. in Hasse) Hasse
[Wetmore, 1996] [UTEP]
CALOPLACA RUBELLIANA (Ach.) Lojka
[UTEP, Bishop Cap Hills]
CALOPLACA ULMORUM (Fink) H. Magn.
CANDELARIA CONCOLOR (Dicks.) B. Stein
CANDELINA SUBMEXICANA (Lesd.) Poelt
CATAPYRENIUM DAEDALEUM (Kremp.) Th. Fr.
CATAPYRENIUM LACHNEUM (Ach.) R. Sant.
[*Dermatocarpon lachneum* (Ach.) A. L. Sm.]
CLADONIA CONIOCRAEA (Floerke) Sprengel
CLADONIA PYXIDATA (L.) Hoffm.
COCCOCARPIA CRONIA (Tuck.) Vain.
COLLEMA CONGLOMERATUM Hoffm.
COLLEMA FURFURACEUM (Arnold) Du Rietz
COLLEMA TEXANUM Tuck.
DERMATOCARPON MINIATUM (L.) Mann
DIMELAENA OREINA (Ach.) Norman
DIPLOSCHISTES SCRUPOSUS (Schreb.) Norm.
ENDOCARPON PUSILLUM Hedwig
[UTEP, Bishop Cap]
FLAVOPARMELIA CAPERATA (L.) Hale
[*Flavoparmelia caperata* (L.) Hale]
FLAVOPUNCTELIA FLAVENTIOR (Nyl.) Hale
FLAVOPUNCTELIA PRAESIGNIS (Nyl.) Hale
FLAVOPUNCTELIA SOREDICA (Nyl.) Hale

FUSCOPANNARIA LEUCOPHAEA (M. Vahl) Joergensen
 [Pannaria leucophaea (M. Vahl) P. Joergensen]

GONOHYMENIA NIGRITELLA (Lettau) Henssen
 NOTE: This species is not easy to distinguish from the closely related *Gonohymenia pulvinata*.

HEPPIA LUTOSA (Ach.) Nyl.
 [UTEP, Bishop Cap Hills on limestone]

HETERODERMIA DIADEMATA (Tayl.) Awasthi

KOERBERIA BIFORMIS Mass.

LASALLIA PENNSYLVANICA (Hoffm.) Llano

LASALLIA PUSTULATA (L.) Merat ssp. PAPULOSA (Ach.) W.A. Weber
 [Llano, 1950]

LECANORA ARGOPHOLIS (Ach.) Ach.
 [UTEP, Bishop Cap Hills on limestone]

LECANORA BIPRUINOSA Fink

LECANORA CARPINEA (L.) Vainio

LECANORA CHLAROTERA Nyl.

LECANORA GAROVAGLII (Korb.) Zahlbr.

LECANORA IMPUDENS Degelius

LECIDELLA EUPHOREA (Floerke) Hertel

LEPROCAULON GRAILESCENS (Nyl.) Lamb & Ward.

LEPTOGIUM AUSTRAMERICANUM (Malme) C. W. Dodge
 [Sierk, 1964]
 [FH, C. Wright coll. made in 1850]

LEPTOGIUM AZUREUM (Sw.) Mont.
 [Sierk, 1964]
 [FH, C. Wright coll. made in 1850]

LEPTOGIUM DENTICULATUM Koerber

LEPTOGIUM PAPILLOSUM (B. de Lesd.) Dodge

LEPTOGIUM SATURNINUM (Dickson) Nyl.

LICHENOTHELIA TENUISSIMA Henssen

LOBOTHALLIA ALPHOPLACA (Wahlenberg ex Ach.) Hafellner
 [*Aspicilia alphoplaca* (Wahlenberg ex Ach.) Poelt]

MELANELIA FULIGINOSA (E. Fr. ex Duby) Esslinger in Egan

MELANELIA INCOLORATA (Parr.) Essl.
 [*Melanelia elegantula* (Zahlbr.) Essl.]

MELANELIA SUBOLIVACEA (Nyl.) Essl.

MELANELIA SUBSTYGIA (Rasanen) Essl.
 [*Parmelia saximontana* Weber & Anderson]

NEPHROMA HELVETICUM Ach.

PACHYOSPORA MUTABILIS (Ach.) Mass.

PARMELIA SAXATILIS (L.) Ach.

PARMOTREMA PRAESOREDIOSUM (Nyl.) Hale

PANNARIA TAVARÉSII Joergensen

PELTIGERA CANINA (L.) Willd.

PELTIGERA DIDACTYLA (Withering) Laundon

PELTIGERA ELIZABETHAE Gyelnik

PELTIGERA PRAETEXTATA (Florke ex Sommerb.) Zopf

PELTULA EUPLOCA (Ach.) Osgood & Clauz

PELTULA OBSCURANS (Nyl.) Hale var. OBSCURANS
 [Wetmore, 1970]

PHAEOPHYSCIA CERNOHORSKYI (Nadw.) Essl.

PHAEOPHYSCIA CONSTIPATA (Norrin & Nyl.) Moberg

PHAEOPHYSCIA HISPIDULA (Ach.) Moberg

PHLOEOPECCANIA sp.
 [UTEP, Bishop Cap Hills on limestone; name not yet published]

PHYSCIA AIPOLIA (Ehrh.) Hampe

PHYSCIA CALLOSA Nyl.
 PHYSCIA DIMIDIATA (Arnold) Nyl.
 PHYSCIA PHAEA (Tuck.) Thomson
 PHYSCIA STELLARIS (L.) Nyl.
 PHYSCIELLA NEPALENSIS (Poelt) Esslinger
 [*Physcia nripalensis* Poelt]
 [COLO, Bishop Cap Hills]
 PHYSCONIA ELEGANTULA Esslinger
 PHYSCONIA ENTEROXANTHA (Nyl.) Poelt
 PHYSCONIA MUSCIGENA (Ach.) Poelt
 PHYSCONIA PERISIDIOSA (Erichs.) Moberg
 PSEUDEVERNIA INTENSA (Nyl.) Hale & Culb.
 PSORA CRENATA (Tayl.) Reinke
 PSORA PSEUDORUSSELLII Timdal
 [UTEP, Bishop Cap]
 PSORULA RUFONIGRA (Tuck.) G. Schneider
 PUNCTELIA HYPOLEUCITES (Nyl.) Krog
 PUNCTELIA RUDECTA (Ach.) Krog
 PUNCTELIA SUBRUDECTA (Nyl.) Hale
 RAMALINA POLLINARIA (Westring) Ach.
 RAMALINA SINENSIS Jatta
 RHIZOCARPON DISPORUM (Naeg. ex Hepp) Muell. Arg.
 RHIZOPLACA CHRYSOLEUCA (Smith) Zopf.
 RHIZOPLACA MELANOPHTHALMA (DC. in Lam. & DC.) Leuck. & Poelt
 RHIZOPLACA PELTATA (Ramondo) Leuckert & Poelt
 RIMELIA RETICULATA (Taylor) Taylor & Fletcher
 [*Parmotrema reticulatum* (Taylor) M. Choisy]
 RINODINA CONRADII Korber
 RINODINA INTERMEDIA Bagl.
 [Mayrhofer, Sheard, Grassler & Elix, 2001]
 [COLO; UTEP]
 RINODINA ZWACKHIANA (Kremp.) Koerb.
 [COLO, Bishop Cap Hills on limestone]
 SARCOGYNE CLAVUS (DC. in Lam. & DC.) Krempelh
 SARCOGYNE REGULARIS Koerber
 [*Sarcogyne pruinosa* of authors]
 SPILONEMA REVERTENS Nyl.
 STAUROTHELE DRUMMONDII (Tuck.) Tuck.
 [UTEP, Bishop Cap Hills on limestone and Pena Blanca area]
 STAUROTHELE EFFIGURATA Thomson
 STICTA BEAUVOISII Delise
 TEPHROMELA ATRA (Huds.) Hafellner
 TUCKERMANNOPSIS CORALLIGERA (Weber) Hale
 UMBILICARIA AMERICANA Poelt & Nash
 UMBILICARIA sp.
 [to be published by H. Mayrhofer]
 USNEA ARIZONICA Motyka
 USNEA CAVERNOSA Tuck.
 USNEA HIRTA (L.) Wigg.
 XANTHOPARMELIA DIERYTHRA (Hale) Hale
 [Nash, 1974]
 XANTHOPARMELIA LINEOLA (Berry) Hale
 XANTHOPARMELIA TARACTICA (Krempelh.) Hale
 XANTHORIA ELEGANS (Link) Th. Fr.
 XANTHORIA FALLAX (Hepp) Arn.

BRYOPHYTA (MOSESSES)

The bryophytes of the Organ Mts. were the subject of an intense study by Stark and Castetter (1982). They made about 1000 collections which included eight hepatics and 87 mosses, many of which represented additions to the state flora. The moss and hepatic collections made by Worthington (UTEP, COLO) represent a further contribution to our knowledge of that portion of the flora. Many of these collections were made during an "El Nino" year (1992) when reproductive material was abundant.

We thank Greg Pedano at the Missouri Botanical Garden for reviewing some of the Stark and Castetter collections that we had some question about. The private collection of Stark has been donated to the Missouri Botanical Garden (MO).

AMBLYSTEGIACEAE

AMBLYSTEGIUM SERPENS (Hedw.) B.S.G. var. JURATZKANUM Schimp.

[Stark & Castetter, 1982] [UTEP]

AMBLYSTEGIUM VARIUM (Hedw.) Lindb.

[Stark & Castetter, 1982]

CAMPYLIUM CHRYSOPHYLLUM (Brid.) J. Lange

[Stark & Castetter, 1982]

CRATONEURON FILICINUM (Hedw.) Spruce

[UTEP]

HYGROAMBLYSTEGIUM TENAX (Hedw.) Jenn.

[Stark & Castetter, 1982] [UTEP; NMC; NMCR]

HYGROHYPNUM LURIDUM (Hedw.) Jenn.

[Stark & Castetter, 1982]

LEPTODICTYUM RIPARIUM (Hedw.) Warnst.

[Stark & Castetter, 1982]

LEPTODICTYUM TRICHOPODIUM (Schulz) Warnst.

[Ireland, Talbot, & Todsén, 1984]

BARTRAMIACEAE

ANACOLIA LAEVISPHAERA (Tayl.) Flow.

[Stark & Castetter, 1982]

ANACOLIA MENZIESII (Turn.) Paris

[UTEP]

PHILONOTIS FONTANA (Hedw.) Brid. var. CAESPITOSA (Jur.) Schimp.

[Stark & Castetter, 1982] [UTEP; NMCR]

BRACHYTHECIACEAE

- BRACHYTHECIUM ALBICANS (Hedw.) B.S.G.
[Stark & Castetter, 1982]
BRACHYTHECIUM COLLINUM (Schleich. ex C. Muell.) B.S.G.
[Stark & Castetter, 1982] [UTEP; NMCR]
BRACHYTHECIUM FENDLERI (Sull.) Jaeg. & Sauerb.
[Stark & Castetter, 1982] [UTEP]
BRACHYTHECIUM OXYCLADON (Brid.) Jaeg.
[UTEP; NMCR]
BRACHYTHECIUM RIVULARE B.S.G.
[Stark & Castetter, 1982]
BRACHYTHECIUM STEREOPOMA (Spruce ex Mitt.) Jaeg. & Sauerb.
[Stark & Castetter, 1982]
EURHYNCHIUM PRAELONGUM (Hedw.) Schimp. in B.S.G.
[*Kindbergia praelonga* (Hedw.) Ochyra]
[UTEP; NMC] (Poss. ISOPTERYGIUM HOMOMALLIFOLIUM)
EURHYNCHIUM PULCHELLUM (Hedw.) Jenn.
[Stark & Castetter, 1982] [UTEP]
RHYNCHOSTEGIUM SERRULATUM (Hedw.) Jaeg. & Sauerb.
[Stark & Castetter, 1982]

BRYACEAE

- BRACHYMENIUM SYSTILIUM (C. Muell.) Jaeg. & Sauerb.
[Stark & Castetter, 1982]
BRYUM ALPINUM Huds. ex With.
[Stark & Castetter, 1982, as *Bryum miniatum* Lesq.]
BRYUM ANDICOLA Hook.
[Ireland, Talbot, & Todsen, 1984]
BRYUM ARGENTEUM Hedw.
[Stark & Castetter, 1982]
BRYUM CAPILLARE Hedw.
[Stark & Castetter, 1982] [UTEP]
BRYUM CYCLOPHYLLUM (Schwaegr.) Bruch & Schimp. in B.S.G.
[*Bryum tortifolium* Funck ex Brid.]
[Stark & Castetter, 1982]
BRYUM GEMMIPARUM De Not.
[Ireland, Talbot, & Todsen, 1981]
BRYUM LANATUM P. Beauv.
[UTEP, Bishop Cap]
BRYUM PALLESCENS Schleich. ex Schwaeger
[Allred, Darigo & Worthington, 1998] [UTEP; NMC; NMCR]
BRYUM PSEUDOTRIQUETRUM (Hedw.) Gaertn., Meyer & Scherb.
[Stark & Castetter, 1982] [UTEP]
BRYUM cf. TURBINATUM (Hedw.) Turner
[UTEP; NMC; NMCR]
LEPTOBRYUM PYRIFORME (Hedw.) Wils.
[Stark & Castetter, 1982]
? POHLIA DRUMMONDII (C. Müll.) Andr.
[Stark & Castetter, 1982, sterile collections that needs to be reviewed]
POHLIA ELONGATA Hedw.
[Allred, Darigo & Worthington, 1998] [UTEP; NMCR]
POHLIA NUTANS (Hedw.) Lindb.
[UTEP; NMCR]
POHLIA WAHLENBERGII (Web. & Mohr.) Andr.
[Stark & Castetter, 1982]

DITRICHACEAE

CERATODON PURPUREUS (Hedw.) Brid.

[Stark & Castetter, 1982] [UTEP: NMCR]

ENCALYPTACEAE

ENCALYPTA CILIATA Hedw.

[Stark & Castetter, 1982]

ENCALYPTA VULGARIS Hedw.

[Stark & Castetter, 1982]

FABRONIACEAE

? FABRONIA CILIARIS (Brid.) Brid.

[Stark & Castetter, 1982]

FABRONIA PUSILLA Raddi

[Stark & Castetter, 1982]

FABRONIA WRIGHTII Sull.

[UTEP; NMC; NMCR]

FISSIDENTACEAE

FISSIDENS BRYOIDES Hedw.

[Stark & Castetter, 1982] [UTEP]

FISSIDENS EXIGUUS f. EMARGINATUS Grout

[Ireland, Talbot, & Todsén, 1984; Bishop Cap]

FISSIDENS OBTUSIFOLIUS var. APICULATUS Grout

[Stark & Castetter, 1982]

FUNARIACEAE

ENTOSTHODON RUBIGINOSUS (Williams) Grout

[Ireland, Talbot, & Todsén, 1984]

FUNARIA HYGROMETRICA Hedw.

[Stark & Castetter, 1982] [UTEP]

FUNARIA MUEHLENBERGII R. Hedw. ex Turn.

[Stark & Castetter, 1982]

FUNARIA ORCUTTII Bartram

[UTEP]

PHYSCOMITRIUM PYRIFORME (Hedw.) Hampe

[Ireland, Talbot, & Todsén, 1984] [UTEP; NMCR]

GRIMMIACEAE

GRIMMIA ALPESTRIS (Weber & Mohr) Schleicher ex Nees

[Stark & Castetter, 1982, as *Grimmia tenerima* Ren. & Card.]

GRIMMIA ANODON B.S.G.

[Stark & Castetter, 1982] [UTEP]

GRIMMIA ARIZONAE Ren. & Card.

[Stark & Castetter, 1982]

GRIMMIA LAEVIGATA (Brid.) Brid.

[Stark & Castetter, 1982] [UTEP]

GRIMMIA OVALIS (Hedw.) Lindb.

[Stark & Castetter, 1982]

GRIMMIA POECILOSTOMA Card. & Seb. ex Seb.

[Stark & Castetter, 1982]

GRIMMIA PULVINATA (Hedw.) Sm.

[Stark & Castetter, 1982] [UTEP; NMCR]

JAFFUELIOBRYUM WRIGHTII (Sull.) Ther.

[*Grimmia wrightii* (Sull.) Aust.]

[Stark & Castetter, 1982] [UTEP, Bishop Cap; NMCR, Bishop Cap]

SCHISTIDIUM APOCARPUM (Hedw.) Bruch & Schimp. in B.S.G.

[*Grimmia apocarpa* Hedw.]

[Stark & Castetter, 1982] [UTEP]

SCHISTIDIUM RIVULARE (Brid.) Podp. var. RIVULARE

[*Grimmia alpicola* Hedw.]

[Stark & Castetter, 1982] [UTEP; NMCR]

HEDWIGIACEAE

HEDWIGIA CILIATA (Hedw.) P. Beauv.

[Stark & Castetter, 1982] [UTEP; NMCR]

HYPNACEAE

HOMOMALLIUM ADNATUM (Hedw.) Broth.

[UTEP]

HOMOMALLIUM MEXICANUM Card.

[Stark & Castetter, 1982] [UTEP; NMCR]

ISOPTERYGIUM HOMOMALLIFOLIUM Redf.

[Ireland, Talbot, & Todsén, 1984]

ISOPTERYGIUM PULCHELLUM (Hedw.) Jaeg. & Sauerb.

[Stark & Castetter, 1982]

ISOPTERYGIUM TENERUM Mitt.

[Allred, Darigo & Worthington, 1998] [MO]

TAXIPHYLLUM DEPLANATUM (Bruch & Schimp. ex Sull.) Fleisch.

[Stark & Castetter, 1982]

TAXIPHYLLUM TAXIRAMEUM (Mitt.) Fleisch.

[Stark & Castetter, 1982]

LESKEACEAE

ANOMODON ATTENUATUS (Hedw.) Hueb.

[Stark & Castetter, 1982] [UTEP]

ANOMODON ROSTRATUS (Hedw.) Schimp.

[Stark & Castetter, 1982]

LINBERGIA BRACHYPTERA (Mitt.) Kindb.

[Stark & Castetter, 1982] [UTEP]

LINBERGIA MEXICANA (Besch.) Card. ex Pringle

[Stark & Castetter, 1982]

PSEUDOLESKEA RADICOSA (Nutt.) Macoun & Kindb.

[UTEP; NMC; det. tent.]

PSEUDOLESKEELLA TECTORUM (Funck ex Brid.) Kindb. ex Broth.

[Stark & Castetter, 1982] [UTEP]

MNIACEAE

MNIUM ARIZONICUM Amann

[UTEP]

PLAGIOMNIUM CUSPIDATUM (Hedw.) Koponen

[UTEP; NMC; NMCR]

NECKERACEAE

NECKERA PENNATA Hedw.

[Stark & Castetter, 1982] [UTEP; NMCR]

ORTHOTRICHACEAE

ORTHOTRICHUM ALPESTRE Hornsch. ex B.S.G.

[UTEP; NMCR]

ORTHOTRICHUM ANOMALUM Hedw.

[Stark & Castetter, 1982]

ORTHOTRICHUM DIAPHANUM Brid.

[Stark & Castetter, 1982]

ORTHOTRICHUM HALLII Sull. & Lesq. ex Sull.

[Stark & Castetter, 1982]

ORTHOTRICHUM PUMILUM Sw.

[Stark & Castetter, 1982] [UTEP]

ORTHOTRICHUM RUPESTRE Schleich. ex Schwaegr.

[Stark & Castetter, 1982] [UTEP; NMCR]

POTTIACEAE

- BRYOERYTHROPHYLLUM RECURVIROSTRUM (Hedw.) Chen
[Stark & Castetter, 1982]
- CHENIA LEPTOPHYLLA (C. Müll.) Zander
[*Tortula rhizophylla* (Sak.) Iwats. & Saito]
[Ireland, Talbot & Todsén, 1984]
- CROSSIDIUM ABERRANS Holz. & Bartr.
[Stark & Castetter, 1982]
- CROSSIDIUM CRASSINERVE (de Not.) Jur.
[*Crossidium desertorum* Holz. & Bartr.]
[UTEP, Bishop Cap]
- DIDYMODON ACUTUS (Brid.) Saito
[*Barbula acuta* (Brid.) Brid.]
[UTEP]
- DIDYMODON BRACHYPHYLLUS (Sull.) Zander
[Zander & Ochya, 2001]
[BUF]
- DIDYMODON LURIDUS (Hornsch. in Spreng. (sensu Zander)
[Stark & Castetter, 1982]
- DIDYMODON REVOLUTUS (Card.) Williams
[*Husnotiella revoluta* Card.]
[Stark & Castetter, 1982]
- DIDYMODON RIGIDULUS Hedw.
[Stark & Castetter, 1982] [UTEP]
- DIDYMODON TOPHACEUS (Brid.) Lisa
[Stark & Castetter, 1982]
- DIDYMODON VINEALIS (Brid.) Zander
[Stark & Castetter, 1982]
- GYMNOSTOMUM AERUGINOSUM Sm.
[Stark & Castetter, 1982]
- ? LEPTODONTIUM FLEXIFOLIUM (With.) Hampe ex Lindb.
[Stark & Castetter, 1982]
- ? MOLENDIA SENDTNERIANA (B.S.G.) Limpr.
[Stark & Castetter, 1982]
- PHASCUM CUSPIDATUM Hedw.
[Ireland, Talbot, & Todsén, 1981; Stark & Castetter, 1982]
[CANM]
- POTTIA ARIZONICA Wareh. var. MUCRONULATA Wareh.
[Stark & Castetter, 1982]
- ? POTTIA TEXANA Wareh.
[UTEP; NMC; NMCR]
- PSEUDOCROSSIDIUM AUREUM (Bartr.) Zander
[*Tortula aurea* Bartr.]
[Stark & Castetter, 1982] [UTEP, Bishop Cap]
- PSEUDOCROSSIDIUM AUSTRALASII
[*Didymodon australasiae* (Hook. & Grev.) Zander var. *umbrosus* (C. Müll.) Zander]
[Ireland, Talbot & Todsén, 1984]
- SYNTRICHIA BARTRAMII (Steere in Grout) Zander
[*Tortula bartramii* Steere in Grout]
[Stark & Castetter, 1982] [UTEP; NMC]
- SYNTRICHIA FRAGILIS (Taylor) Ochya
[*Tortula fragilia* Taylor]
[Stark & Castetter, 1982]
- SYNTRICHIA INERMIS (Bridel) Burch in Huebener
[*Tortula inermis* (Bridel) Mont.]
[Stark & Castetter, 1982] [UTEP]

SYNTRICHIA NORVEGICA Weber & Mohr

[*Tortula norvegica* (Web.) Wahlenb. ex Lindb.]

[Allred, Darigo & Worthington, 1998] [UTEP]

SYNTRICHIA PAGORUM (Milde) Amann

[*Tortula pagorum* (Milde) DeNot.]

[Stark & Castetter, 1982]

SYNTRICHIA PAPILLOSA (Wilsonin ex Spruce) Juratzka

[*Tortula papillosa* Wilsonin ex Spruce]

[Stark & Castetter, 1982]

SYNTRICHIA RURALIS (Hedw.) Web. & Mohr.

[*Tortula ruralis* (Hedw.) Gaertn., Meyer & Scherb.]

[Stark & Castetter, 1982; Mishler, 1986] [UTEP]

TORTULA EURYPHYLLA Zander

[*Desmatodon latifolius* (Hedw.) Brid.]

[Stark & Castetter, 1982; Ireland, Talbot & Todsén, 1984]

TORTULA OBTUSIFOLIA (Schwaegr.) Mathey

[*Desmatodon obtusifolius* (Schwaegr.) Schimp.]

[Stark & Castetter, 1982] [UTEP]

TORTULA PLINTHOBIA (Sullivant) Brotherus

[*Desmatodon plinthobius* Sull. & Lesq. ex Sull.]

[UTEP]

TRICHOSTOMUM BRACHYDONTIUM Bruch.

[Ireland, Talbot, & Todsén, 1984; Bishop Cap]

TRICHOSTOMUM CRISPULUM Bruch.

[Ireland, Talbot, & Todsén, 1984]

WEISSIA ANDERSONIANA Zand.

[*Weissia glauca* Bartr.]

[Stark & Castetter, 1982]

NOTE: Stoneburner (1985) does not mention New Mexico in the range of the species.

WEISSIA CONDENSA (Voit) Lindb.

[UTEP, Bishop Cap]

WEISSIA CONTROVERSA Hedw.

[Stark & Castetter, 1982] [UTEP]

WEISSIA LIGULAEFOLIA (Bartr.) Grout

[Stark & Castetter, 1982] [UTEP]

PTYCHOMITRIACEAE

PTYCHOMITRIUM SINENSE (Mitten) Jaeger.

[Ireland, Talbot, & Todsén, 1984, as *P. leibergii* Best.]

RHYTIDIACEAE

RHYTIDIUM RUGOSUM (Hedw.) Kindb.

[UTEP; NMCR]

TIMMIACEAE

TIMMIA MEGAPOLITANA Hedw. var. BARVARICA (Hessl.) Brid.

[UTEP; NMCR]

HEPATOPHYTA (LIVERWORTS)

CEPHALOZIELLA DIVARICATA (Sm.) Schiffn. var. SCABRA M. A. Howe
(Stark & Castetter, 1982; Hong, 1986)

(UTEP; NMC; CANM)

CHILOSCYPHUS PALLESCENS (Ehrh.) Dum. var. FRAGILIS (Roth.) K. Muell.

(UTEP; NMCR)

FRULLANIA BRITTONIAE Evans

(UTEP)

FRULLANIA EBORACENSIS Gott.

(UTEP)

FRULLANIA INFLATA Gott.

(Stark & Castetter, 1982)

(UTEP; NMCR)

FRULLANIA RIPARIA Hampe

(UTEP; NMCR)

MANNIA FRAGRANS (Balbis) Frye & Clark

(UTEP)

MANNIA PILOSA (Hornem.) Frye & Clark

(UTEP; NMCR)

MARCHANTIA POLYMORPHA L.

(UTEP; NMC)

PLAGIOCHASMA RUPESTRE (Forst.) Steph.

(Evans, 1915; Stark & Castetter, 1982)

PLAGIOCHASMA WRIGHTII Sull.

(Stark & Castetter, 1982)

(UTEP)

REBOULIA HEMISPHAERICA (L.) Raddi

(Stark & Castetter, 1982)

PORELLA PLATYPHYLLA (L.) Pfeiff.

(Stark & Castetter, 1982)
(UTEP; NMC; NMCR)
RADULA COMPLANATA (L.) Dum.
(Stark & Castetter, 1982)
(UTEP)

PTERIDOPHYTES (FERNS AND ALLIES)

POLYPODIOPHYTA

ASPLENIACEAE

Spleenwort Family

ASPLENIUM (Wagner et al., 1993)

A. RESILIENS Kunze

Blackstemmed Spleenwort

[*A. parvulum* M. Martens & Galeotti]

[Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Dittmer et al, 1954]

[UTEP]

A. TRICHOMANES L.

Maidenhair Spleenwort

[*A. melanocaulon* Willdenow]

[Metcalf, 1903; Wooton, 1903, said to be under rocks in wet, cool, shady places
near running water; Wooton & Standley, 1915; Dittmer et al. 1954] [UTEP]

Note: *Asplenium palmeri* Maxon was reported from the Organ Mts. by Dittmer et al. (1954)
but Alexander (2006) found no evidence for this species occurring in New Mexico.

DENNSTAEDTIACEAE

PTERIDIUM (Jacobs & Peck, 1993)

P. AQUILINUM (L.) Kuhn var. PUBESCENS Underwood.

Bracken-fern

[*Pteris aquelina* L. var. *pubescens* (Underwood) Clute]

[NMC, UTEP]

NOTE: One stand is known in Rock Spring Canyon.

DRYOPTERIDACEAE

Wood Fern Family

CYSTOPTERIS (Haufler et al, 1993)

- C. REEVESIANA Lellinger Southwestern Brittle Fern; Reeves Bladder-fern
[*C. fragilis* (L.) Bernh. ssp. *tenuifolia* Clute]
[Metcalf, 1903; Wooton, 1903; Dittmer et al., 1954] [UNM]

DRYOPTERIS (Montgomery & Wagner, 1993)

- D. FILIX-MAS (L.) Schott Male Fern
[*Polypodium filix-mas* L.]
[Metcalf, 1903; Wooton, 1903, found this fern in only one cool and moist canyon where it was not abundant; Wooton & Standley, 1915; Dittmer et al., 1954]
[UTEP, at higher elevations on the north side of The Needles where it is quite rare]

PHANEROPHLEBIA (Yatskievych, 1993, 1996)

- P. AURICULATA L. Underwood Mexican Holly Fern; Eared Veiny-fern
[*Cyrtomium auriculatum* (L. Underwood) C. V. Morton]
[Underwood, 1899; Metcalf, 1903; Maxon, 1912; Wooton & Standley, 1915; Dittmer et al., 1954; Soreng, 1986; DeBruin, Mehlhop and Muldavin, 1994; Yatskievych, 1996] [UTEP; NMC]

WOODSIA (Windham, 1993b)

- W. NEOMEXICANA Windham New Mexico Cliff-fern
[UNM]
W. PLUMMERAE Lemmon Plummer's Cliff-fern
[*W. obtusa* (Sprengel) Torr. var. *glandulosa* D. C. Eaton & M. Faxon; *W. obtusa* var. *plummerae* (Lemmon) Maxon; *W. pusilla* E. Fournier var. *glandulosa* (D. C. Eaton & M. Faxon) T. M. C. Taylor] [UTEP]
NOTE: The reports of Wooton (1903), Wooton & Standley (1915) and Dittmer et al. (1954) that record *Woodsia mexicana* Fee in the Organ Mts. are in error in light of the recent taxonomic interpretation by Windham (1993a, 1993b). The Windham, *W. phillipsii* Windham, and perhaps *W. cochisensis* Windham. A review of annotated herbarium sheets of Organ Mts. *Woodsia* has only partly been done. Four annotated sheets at UNM are all *W. neomexicana*.

PTERIDACEAE

Brake Family

ADIANTUM (Paris, 1993)

- A. CAPILLUS-VENERIS L. Southern Maiden-hair; Venus's-hair Fern
[UTEP]

ARGYROCHOSMA (Windham, 1993b)

- A. LIMITANEA (Maxon) Windham ssp. MEXICANA (Maxon) Windham Southwestern False Cloakfern
[*Cheilanthes limitanea* (Maxon) Mickel var. *mexicana* (Maxon) Mickel;
Notholaena limitanea Maxon var. *mexicana* (Maxon) M. Broun]
[Wooton, 1903; Wooton identified his material as the closely related
Argyrochosma dealbata (Pursh) Windham, which does not occur in the area;
Dittmer et al., 1954]

ASTROLEPIS (Benham & Windham, 1993)

- A. COCHISENSIS (Goodd.) Benham & Windham Cochise Scaly Cloakfern; Jimmyfern
[*Notholaena cochisensis* Goodd.; *Cheilanthes cochisensis* (Goodd.) Mickel;
N. sinuata (Lagasca ex Swartz) Domin var. *cochisensis* (Goodd.) Munz; *Notholaena sinuata* (Lagasca ex Swartz) Kaulfuss var. *cochisensis* (Goodd.) Weatherby]
[Muldavin et al., 1994] [UTEP]
NOTE: Benham & Windham (1993) map subspecies *chihuahuensis* D. M.

- Benham and *cochisensis* as occurring in the area.
- A. INTEGERRIMA (Hook.) Benham & Widham Southwestern Cloakfern
 [*Notholaena sinuata* (Lagasca ex Swartz) Kaulfuss var. *integerrima* Hooker;
Cheilanthes integerrima (Hook.) Mickel; *Notholaena integerrima* (Hook.) Hevly]
 [Wooton, 1903; Wooton & Standley, 1915; Fosberg, 1940; Muldavin et al., 1994]
 [UTEP, Bishop Cap]
- A. SINUATA (Lagasca ex Swartz) Benham & Windham ssp. SINUATA Wavy Cloakfern
 [*Acrostichum sinuatum* Lagasca ex Swartz; *Cheilanthes sinuata*
 (Lagasca ex Swartz) Domin; *Notholaena sinuata* (Lagasca ex Swartz) Kaulfuss]
 [Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Fosberg, 1940; Van
 Devender & Everitt, 1977, Bishop Cap] [UTEP; BLIS]
 NOTE: *Astrolepis windhamii* Benham is mapped as occurring in the area
 (Benham & Windham, 1993).
- BOMMERIA (Haufler, 1979, 1993)
- B. HISPIDA (Mett. ex Kuhn) Underwood Copper Fern; Hairy Bommeria
 [*Gymnopteris hispida* (Kuhn) L. Underw.; *Gymnogramma hispida* Kuhn]
 [Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Dittmer et al., 1954;
 Haufler, 1979; Muldavin et al., 1994] [UTEP; BLIS]
- CHEILANTHES (Windham & Rabe, 1993)
- C. BONARIENSIS (Willd.) Proctor Bonaire Lipfern; Slender Lipfern
 [*Notholaena aurea* (Poir.) Desv.; *Notholaena ferruginea* Desv.; *Pellaea*
ferruginea Nees; *Pteris aurea* Poir.]
 [Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Dittmer et al., 1954;
 Muldavin et al., 1994]
- C. EATONII Baker Eaton's Lipfern
 [*C. castanea* Maxon]
 [Wooton, 1903; Wooton & Standley, 1915; Dittmer et al., 1954; Muldavin et al.,
 1994] [UTEP]
- C. FEEI T. Moore Santa Fe Lipfern
 [Metcalf, 1903; Wooton, 1903; Fosberg, 1940; Dittmer et al., 1954; Muldavin
 et al., 1994] [UTEP]
- C. FENDLERI Hook. Fendler's Lipfern
 [Metcalf, 1903; Wooton, 1903; Maxon, 1918; Fosberg, 1940; Dittmer et al.,
 1954; Muldavin et al., 1994] [UTEP; BLIS]
- C. LINDHEIMERI Hook. Lindheimer's Lipfern; Fairy Swords
 [Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Dittmer et al.,
 1954; Muldavin et al., 1994] [BLIS]
- C. TOMENTOSA Link Woolly Lipfern
 [Metcalf, 1903; Wooton, 1903; his collections may be *C. eatonii*; Dittmer
 et al., 1954]
- C. VILLOSA Davenp. ex Maxon Scaly Lipfern; Hairy Lipfern
 [Fosberg, 1940; Dittmer et al., 1954; Van Devender & Everitt, 1977, Bishop Cap]
 [UTEP, from Bishop Cap on limestone substrate]
- C. WOOTONII Maxon Wooton's Lipfern; Beaded Lipfern
 [Maxon, 1918; Dittmer et al., 1954] [UTEP; BLIS]
- C. WRIGHTII Hook. Wright's Lipfern
 [UTEP]
- NOTHOLAENA (Windham, 1993b)
- N. STANDLEYI Maxon Star Cloakfern; Standley's Cloakfern
 [*N. hookeri* D. C. Eaton; *Cheilanthes standleyi* (Maxon) Mickel]
 [Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Fosberg, 1940;
 Dittmer et al., 1954; Muldavin et al., 1994] [UTEP]
- PELLAEA (Windham, 1993b)
- P. ATROPURPUREA (L.) Link Purple Cliffbrake
 [Metcalf, 1903; Wooton, 1903; Wooton & Standley, 1915; Dittmer et al.,
 1954] [UTEP]

- P. INTERMEDIA Mett. ex Kuhn Creeping Cliffbrake; Intermediate Cliffbrake
[Wooton, 1903; said to be rare on higher peaks of siliceous rocks; Wooton &
Standley, 1915; Dittmer et al., 1954] [UTEP]
- P. TRUNCATA Goodd. Spiny Cliffbrake
[*P. longimucronata* Hook.; *P. wrightiana* Hook. var. *longimucronata* (Hook.)
Davenp.]
[Wooton & Standley, 1915; as *P. mucronata*; Fosberg, 1940; Dittmer et al.,
1954; Muldavin et al., 1994] [UTEP; BLIS]
- P. WRIGHTIANA Hook. Wright Cliffbrake
[*P. ternifolia* (Cav.) Link var. *wrightiana* (Hook.) Tryon]
[Metcalf, 1903; Wooton, 1903; Dittmer et al., 1954] [UTEP]
NOTE: Reports of *Pellaea ternifolia* (Cav.) Link from New Mexico (Wooton
& Standley, 1915) appear to be based on *P. wrightiana* (Dittmer et al., 1954).
Windham (1993b) maps no records of *P. ternifolia* from New Mexico.

LYCOPODIOPHYTA

SELAGINELLACEAE

Spikemoss Family

- SELAGINELLA (Tryon, 1955; Valdespino, 1993)
- S. MUTICA D. C. Eat. *ex* Underw. Blunt-leaf Spikemoss
 [Wooton & Standley, 1915; Weatherby, 1944; Dittmer et al., 1954] [UTEP]
 NOTE: Valdespino (1993) maps two varieties (var. *limitanea* Weatherby and
 var. *mutica*) as occurring in the area. Weatherby (1944) reviewed three collections
 from the Organ Mts. at US and assigned them to var. *limitanea*.
- S. X NEOMEXICANA Maxon New Mexico Spikemoss
 [Dittmer et al., 1954; Tryon, 1955, 1971, mapped in the Organ Mts.]
 [GH; US; UTEP; BLIS]
- S. PERUVIANA (Milde) Hieronymus Peruvian Spikemoss
 [UTEP]
- S. RUPINCOLA Underw. Ledge Spikemoss; Rockloving Spikemoss
 [*S. rupestris* (L.) Spring var. *rupincola* (Underw.) Clute]
 [Torrey, 1859; Underwood, 1898; Metcalfe, 1903; Wooton, 1903; Wooton &
 Standley, 1915; Dittmer et al, 1954; Tryon, 1955] [UTEP; BLIS]
 NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).
- S. SCOPULORUM Maxon Rocky Mountain Spikemoss
 [*Selaginella densa* Rydb. var. *scopulorum* (Maxon) R. Tryon]
 [NMCR]
- S. UNDERWOODII Hieron. in Engler & Prantl Underwood Spikemoss
 [Wooton & Standley, 1915; Weatherby, 1944; Dittmer et al., 1954; Muldavin
 et al., 1994]
 [UTEP]
 NOTE: Valdespino (1993) maps *S. peruviana* (J. Milde) Hieronymus as occurring
 in the area.

GYMNOSPERMS
CONIFEROPHYTA

CUPRESSACEAE

Cypress Family; Redwood Family

JUNIPERUS (Adams, 1993)

- J. COAHUILENSIS (Martinez) Gaussen *ex* R. P. Adams var. ARIZONICA Adams Roseberry Juniper
 [J. *erythrocarpa* Cory var. *coahuilensis* Martinez]
 [Fosberg, 1940; Dick-Peddie & Moir, 1970; Adams & Zaroni, 1979; Soreng,
 1986, as *J. monosperma*; Muldavin et al., 1994] [UTEP]
J. DEPPEANA Steud. Alligator Juniper; Cedro Chino

[*J. pachyphloea* Torr.; *J. deppeana* Steud. var. *pachyphloea* (Torr.) Martinez]
 [Metcalf, 1903; Dick-Peddie & Moir, 1970; Metcalf, 1984; Soreng, 1986;
 Muldavin et al., 1994; Earl & Bash, 1997, recent shifts in elevational limits]
 [UTEP; BLIS]

J. SCOPULORUM Sarg.

Rocky Mountain Juniper

PINACEAE

Pine Family

ABIES (Hunt, 1993)

A. CONCOLOR (Gord. & Glend.) Hildebr. White Fir; Rocky Mountain White Fir; Pino Real Blanco
 [Dick-Peddie & Moir, 1970; Little, 1971, mapped locality; Metcalf, 1984; Soreng,
 1986] [UTEP; NMC; NMCR]

NOTE: A relict stand of this species survives in the upper parts of Rock Spring Canyon
 (Metcalf, 1984).

PICEA (Taylor, 1993)

P. sp.

Spruce

NOTE: We have not located any herbarium specimens of spruce from the Organ Mts.
 We include it in this inventory on the basis of what we believe is the reliable observation
 made by Seager (1981) who writes the following about Filmore Canyon: "what makes the
 canyon surprising, however, are springs that run much of the year and especially the stands
 of ponderosa and pinyon pines, junipers, Douglas fir, and at least one spruce - located high
 on a north-facing slope."

PINUS (Kral, 1993)

P. EDULIS Engelm.

Twoneedle Piñon

[*Caryopitys edulis* (Engelm.) Small; *P. cembroides* Zucc. var. *edulis* (Engelm.)
 Voss; *P. monophylla* Torr. & Frem. in Frem. var. *edulis* (Engelm.) M. E. Jones]
 [Townsend, 1893; Metcalf, 1903; Dick-Peddie & Moir, 1970; Lanner & Van
 Devender, 1981; Soreng, 1986; Seager, 1981; Muldavin et al. 1994] [UTEP]

P. PONDEROSA P. & C. Lawson var. SCOPULORUM Engelm. in S. Wats.

Ponderosa Pine

[Townsend, 1893; Metcalf, 1903; Dick-Peddie & Moir, 1970; Seager, 1981;
 Metcalf, 1984; Soreng, 1986; Muldavin et al., 1994] [UTEP]

PSEUDOTSUGA (Lipscomb, 1993)

P. MENZIESII (Mirb.) Franco var. GLAUCA (Biesser.) Franco

Rocky Mountain Douglas-fir

[*Pinus taxifolia* (Lam.) Britt. var. *glauca* (Beissner) Sudw.; *Pseudotsuga*
douglasii Lindley) Carriere var. *glauca* Mayr]

[Townsend, 1893; Dick-Peddie & Moir, 1970; Little, 1971, mapped locality;
 Seager, 1981; Metcalf, 1984; Soreng, 1986; Muldavin et al., 1994] [UTEP]

GNETOPHYTA

EPHEDRACEAE

Mormon-tea Family; Joint-fir Family

EPHEDRA (Stevenson, 1993)

E. ASPERA Engelm. ex S. Wats.

Boundary Ephedra; Popótillo; Pitamoreal; Rough Ephdra

[*E. nevadensis* S. Wats. var. *aspera* (Engelm. ex S. Wats.) L. Benson; *E.*
peninsularis I. M. Johnst.; *E. reedii* Cory]

[Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow,
 1981, map] [UTEP; BLIS]

E. TORREYANA S. Wats. var. TORREYANA

Torrey's Ephedra; Mormon-tea

[Wootton & Standley, 1915; Benson & Darrow, 1981, map; Wendt, 1993,
 separation of vars.; Muldavin et al., 1994]

E. TRIFURCA Torr. ex S. Wats.

Longleaf Ephedra; Mexican-tea

[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Muldavin et al., 1994] [UTEP; BLIS]

NOTE: Wooton & Standley (1915) report *Ephedra antisiphilitica* C. A. Meyer from Bishop Cap. The species not known to occur in New Mexico.

MAGNOLIOPHYTA (Flowering Plants)

MAGNOLIOPSIDA (Dicots)

ACANTHACEAE

Acanthus Family

CARLOWRIGHTIA (Daniel, 1984)

C. LINEARIFOLIA (Torr.) Gray

Heath Carlowrightia; Heath Wrightwort

[*Schaueria linearifolia* Torr.]

[Wooton & Standley, 1915; Daniel, 1983] [UTEP; BLIS]

RUELLIA (Daniel, 1984; Turner, 1991a)

R. PARRYI Gray

Parry Ruellia; Parry's Wild Petunia

[Daniel, 1984; the species has been collected on Rattlesnake Ridge on limestone substrate]
[UTEP]

STENANDRIUM

S. BARBATUM Torr. & Gray

Shaggy Stenandrium; Early Shaggytuft

ADOXACEAE

SAMBUCUS (Schwerin, 1909)

S. CERULEA Raf. Var. NEOMEXICANA (Woot.) Rehd.

New Mexico Elderberry

[*Sambucus neomexicana* Woot.; *S. neomexicana* Woot. var. *vestita* (Woot. & Standl.) K. & P.;
S. vestita Woot. & Standl.]

[Wooton & Standley, 1913, 1915; Dick-Peddie & Moir, 1970] [UTEP; NMC]

NOTE: The type locality of *Sambucus vestita* Woot. & Standl. is the Organ Mts.

ACERACEAE Maple Family (see SAPINDACEAE)

AIZOACEAE (also see MOLLUGINACEAE)

Fig-marigold Family

TRIANTHEMA (Bogle, 1970; Ferrin Jr., 2003)

T. PORTULACASTRUM L.

Desert Horse-purslane

[UTEP]

AMARANTHACEAE

Amaranth Family

ALTERNANTHERA (Standley, 1917; Clemants, 2003)

A. CARACASANA Kunth

Matt Chaff Flower; Verdolaca Depuerco; Washerwoman; Khaki-weed

[UTEP]

AMARANTHUS (Sauer, 1955; Mosyakin & Robertson, 2003)

*A. BLITOIDES S. S. Wats.

Mat Amaranth; Prostrate Pigweed

[*Amaranthus graecizans* auct. non L.]

[Metcalf, 1903] [UTEP]

A. FIMBRIATUS (Torr.) Benth. ex S. Wats.

Fringed Amaranth; Fringed Pigweed

[Ward and Spellenberg, 1986, chromosome count of n=17 from a population from 8 km E
of Las Cruces] [NMC]

*A. HYBRIDUS L.

Slim Amaranth; Smooth Amaranth

[NMC]

A. PALMERI S. Wats.

Palmer's Amaranth; Carelessweed

[Sauer, 1955, map locality; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994]

[UTEP; NMC; BLIS]

A. POWELLII S. Wats.

Powell's Amaranth; Green Amaranth

[Wooton & Standley, 1915; Costeau, Sanders & Waines, 2001] [NMC; US]

A. TORREYI (Gray) Benth. ex S. Wats.

Torrey's Amaranth

[*Amaranthus bigelovii* Uline & Bray]

[Metcalf, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]

[UTEP; NMC]

A. WRIGHTII S. Wats.

Wright's Amaranth

[UTEP]

FROELICHIA (Standley, 1917; McCauley, 2003)

F. ARIZONICA Thornb. ex Standl.

Arizona Snakecotton

[Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994] [UTEP; BLIS]

F. GRACILIS (Hook.) Moq.

Slender Snakecotton

[*Froelichia braunii* Standl.]

[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]

NOTE: A record of *F. interrupta* for Doña Ana Co. cited in M&H may be from the Organ Mts. but McCauley (2003) questions all records reported from the United States. *Froelichia floridana* is reported from the Organ Mts. (Metcalf, 1903; Wooton & Standley, 1915) but McCauley does not show the range extending to the Organ Mts.

GOMPHRENA (Mears, 1980; Clements, 2003)

G. CAESPITOSA Torr. Twoleaf Globeamaranth; Tufted Globe-amaranth
[Torrey, 1859; Metcalf, 1903; Standley, 1910, part of the type collection; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]

G. NITIDA Rothr. Pearly Globe-maranth
[Metcalf, 1903; Wooton & Standley, 1915]

GUILLEMENEA (Henrickson, 1987; Clements, 2003)

G. Densa (Humb. & Bonpl. ex Willd.) Moq. var. AGGREGATA Uline & Gray Small Matweed
[Brayulinea densa (Humb. & Bonpl. ex Willd.) Small]
[Wooton & Standley, 1915; Henrickson, 1987] [UTEP; NMC]

IRESENE (Henrickson & Sunberg, 1986; Clements, 2003)

I. HETEROPHYLLA Standl. Standley's Bloodleaf
[UTEP; NMC]

TIDESTROMIA (Standley, 1917; Sanchez del Pino & Clements, 2003)

T. LANUGINOSA (Nutt.) Standl. Espanta Vaqueros; Woolly Honeysweet
[Achyranthes lanuginosa Nutt.; Cladothrix lanuginosa Nutt.]
[Van Devender & Everitt, 1977, Bishop Cap] [UTEP, from north side of Bishop Cap Hills]

T. SUFFRUTICOSA (Torr.) Standl. Shrubby Tidestrom; Shrubby Honeysweet
[Alternanthera suffruticosa Torr.; Cladothrix suffruticosa (Torr.) Benth. & Hook.]
[Fosberg, 1940; Van Devender & Everitt, 1977, from Bishop Cap as Tidestromia cf. oblongifolia] [UTEP, Bishop Cap Hills and Peña Blanca]
Note: Sanchez del Pino and Clements (2003) map var. oblongifolia (S. Wat.)
Sanchez del Pino & Flores Olivera as occurring in this area.

ANACARDIACEAE

Sumac Family

RHUS (Barkley, 1937; Brizicky, 1963)

R. MICROPHYLLA Engelm. ex Gray Desert Sumac; Littleleaf Sumac
[Rhoetidium microphyllum (Engelm.) Greene]
[Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Muldavin et al., 1994]
[UTEP; BLIS]

R. TRILOBATA Nutt. Fragrant Sumac; Skunkbush Sumac
[R. aromatica Ait.]
var. PILOSISSIMA Engelm.
[Schmaltzia emoryi Greene; Rhus aromatica Ait. var. pilosissima (Engelm.) Shinnars]
[Gray, 1850-52; Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Barkley, 1937; Fosberg, 1940]
NOTE: Rhus trilobata mollis Gray was described from the Organ Mts. and is a synonym of the above species (Standley, 1910)]
var. TRILOBATA
[Barkley, 1927; Dick-Peddie & Moir, 1970; Soreng, 1986; Muldavin et al., 1994]
[UTEP; BLIS]

R. VIRENS Lindh. ex Gray var. CHORIOPHYLLA (Woot. & Standl.) L. Benson Wooton's Sumac
[Rhus choriophylla Woot. & Standl.; R. virens ssp. choriophylla (Woot. & Standl.) Young]
[Metcalf, 1903; Wooton & Standley, 1913; 1915; Barkley, 1937; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map] [UTEP; NMC]

APIACEAE (UMBELLIFERAE)

Parsley Family; Carrot Family

ALETES (Theobald, Tseng, & Mathias, 1963)

- A. FILIFOLIUS Math., Const. & Theobald Threadleaf False Carrot; Trans-Pecos Indian-parsley
[Theobald, Tseng, and Mathias, 1963; Mathias, Constance, and Theobald, 1969;
Fletcher et al., 1984; Soreng, 1986] [UTEP]

CYMOPTERUS (Mathias & Constance, 1945)

- C. LEMMONII (Coulter & Rose) Dorn Alpine Mountain-parsley
[*Pseudocymopterus montanus* (Gray) Coulter & Rose]
[Metcalf, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Muldavin
et al., 1994] [UNM]

- C. MULTINERVATUS (Coulter & Rose) Tidestr. Striate Spring Parsley; Purple-nerve Spring-parsley
[Wooton & Standley, 1915, as *Lomatium orientale* Coulter & Rose] [UTEP; COLO]

DAUCUS (Mathias & Constance, 1945)

- D. PUSILLUS Michx. Rattlesnake Weed; Southwestern Wild Carrot
[WSMR]

SPERMOLEPIS (Mathias & Constance, 1945)

- S. ECHINATA (Nutt. ex DC.) Heller Bristly Scaleshed
[*Leptocaulis echinatus* Nutt.]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP]

APOCYNACEAE

Dogbane Family

APOCYNUM (Woodson, 1930; McLaughlin, 1994)

- A. CANNABINUM L. Dogbane; Common Dogbane; Indian-hemp
[*Apocynum angustifolium* Woot.; *A. cannabinum* L. var. *angustifolium* (Woot.)
N. Holmgren; *A. cannabinum* L. var. *glaberrimum* A.DC.; *A. hypericifolium* Ait.;
A. laurinum Greene; *A. sibericum* Jacq. var. *salignum* (Greene) Fern.; *A. suksdorfii*
Greene var. *angustifolium* (Woot.) Woodson; *A. suksdorfii* Greene var. *suksdorfii*;
A. viride Woot. & Standl.]
[Greene, 1902; Metcalf, 1903; Standley, 1910; Wooton & Standley, 1915] [UTEP]
NOTE: The type locality for *A. laurinum* Greene is the Organ Mts.

HAPLOPHYTON (McLaughlin, 1994)

- H. CROOKSII (L. Benson) L. Benson Cockroach Plant
[*H. cimidum* A. DC. var. *crooksii* L. Benson]
[UTEP]

TELOSIPHONIA (Henrickson, 1996)

- T. BRACHYSIPHON (Torr.) Henr. Huachuca Mountain Rock Trumpet; Rocktrumpets
[*Macrosiphonia brachysiphon* (Torr.) Gray]

ASCLEPIADACEAE

Milkweed Family

ASCLEPIAS (Woodson, 1954; Sundell, 1993)

- A. ASPERULA (Dcne.) Woods. ssp. CAPRICORNUM Woods. Antelope-horns; Rough Milkweed
[*Asclepias capricornu* Woods.; *A. decumbens* (Nutt.) Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
A. BRACHYSTEPHANA Engelm. ex Torr. Shortcrown Milkweed; Bract Milkweed
[Metcalf, 1903; Wooton & Standley, 1915] [NMC]
A. ENGELMANNIANA Woods. Engelmann Milkweed
[*Acerates auriculata* Engelm.]
[Wooton & Standley, 1915]
A. MACROTIS Torr. Long-hood Milkweed
[Wooton & Standley, 1915; Fosberg, 1940] [UTEP]
A. OENOTHERIOIDES Cham. & Schlecht. Hierba de Zizotes; Zizotes Milkweed
[*Podostemma lindheimeri* (Engelm. & Gray) Greene; *Asclepias wrightii* Greene]
[Wooton & Standley, 1915]
A. SUBVERTICILLATA (Gray) Vail Poison Milkweed; Horsetail Milkweed

- [*Asclepias verticillata* L. var. *subverticillata* Gray; *A. galioides* of American authors]
[UTEP]
- A. TUBEROSA L. ssp. INTERIOR Woods. Butterfly Milkweed; Orange Milkweed; Chigger Flower
NOTE: This distinctive species has been seen along Pine Tree Trail above Aguirre Springs.
- FUNASTRUM (Holm, 1950; Sundell, 1993; Liede, 1996)
- F. CRISPUM (Benth.) Schlect. Wavyleaf Twinevine
[*Sarcostemma crispum* Benth.; *Philibertella crispa* (Benth.) Vail]
[Metcalf, 1903; Wooton & Standley, 1915] [NMC]
- F. CYNANCHOIDES (Dcne.) Schlecht. Arroyo Twinevine; Climbing Milkweed
[*Sarcostemma cynanchoides* (Dcne.) Schlecht.]
- F. HARTWEGII (Vail) Schlecht. Hartweg's Milkvine
[*Sarcostemma heterophyllum* Engelm. ex Torrey; *Funastrum heterophyllum* (Engelm. ex
Torrey) Standl.; *Philibertella heterophylla* (Engelm.) Cockerell; *Sarcostemma cynanchoides*
Dcne. ssp. *hartwegii* (Vail) R. Holm]
[Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- MATELEA (Sundell, 1993)
- M. PRODUCTA (Torr.) Woods. Texas Milkvine; Twining Milkweed
[*Gonolobus productus* Torr.; *Vincetoxicum productum* (Torr.) Vail]
[Metcalf, 1903; Wooton & Standley, 1915] [NMC]

ASTERACEAE (COMPOSITAE)

Sunflower Family

- ACHILLEA (Pollard, 1899; Tyrl, 1975; Cronquist, 1994)
- A. MILLEFOLIUM L. Western Yarrow; Common Yarrow; Milfoil
[*Achillea lanulosa* Nutt. var. *lanulosa*; *A. millefolium* L. var. *lanulosa* (Nutt.) Piper]
[Dick-Peddie & Moir, 1970; Muldavin et al., 1994] [UTEP; BLIS]
NOTE: Numerous varieties of this circumpolar species have been recognized. The
taxonomic history is long and complicated (see Kartesz, 1994). Martin and
Hutchins (1981) record var. *occidentalis* DC. from the county. Cronquist (1994)
proposed an interim partial organization that places all North American tetraploids
with three-dimensional leaves into the broadly defined subspecies *lanulosa*. At
present varieties and subspecies are not recognized.
- ACOURTIA (Turner, 1993a)
- A. NANA (Gray) Reveal & King Dwarf Desertpeony; Desert Holly
[*Perezia nana* Gray]
[Wooton & Standley, 1915; Bacigalupi, 1931; Van Devender & Everitt, 1977, Bishop
Cap; Muldavin et al., 1994] [UTEP; NMC]
- A. WRIGHTII (Gray) Reveal & King Brownfoot; Pink Perezia
[*Perezia wrightii* Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Bacigalupi, 1931; Fosberg, 1940;
Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Muldavin
et al., 1994] [UTEP; NMC]
- AGERATINA (King & Robinson, 1970)
- A. HERBACEA (Gray) King & Robins. Shrubby Boneset; Fragrant Snakeroot
[*Eupatorium herbaceum* (Gray) Greene; *E. arizonicum* (Gray) Greene]
[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Muldavin et al., 1994]
[BLIS; UNM; UTEP]
- A. WRIGHTII (Gray) King & Robins. Wright's Snakeroot
[*Eupatorium wrightii* Gray]
[Muldavin et al., 1994] [NMC]
- AMAURIOPSIS
- A. DISSECTA (Gray) Rydb. Ragged-leaf Bahia
[*Bahia dissecta* (Gray) Britt.; *Villanova dissecta* (Gray) Rydb.]
[Wooton & Standley, 1915; Ellison, 1964; Muldavin et al., 1994] [UTEP; NMC]
- AMBROSIA (Payne, 1964; Strother & Baldwin, 2002)

- A. ACANTHICARPA Hook. Flatspine Ragweed; Annual Ragweed; Bur Ragweed
[*Franseria acanthicarpa* (Hook.) Cov.; *Gaertneria acanthicarpa* (Hook.) Britt.]
[UTEP]
- A. ARTEMISIIFOLIA L. var. ELATIOR (L.) Descourtis Annual Ragweed
[NMCR]
- A. CONFERTIFLORA DC. Field Ragweed
[*Franseria confertiflora* (DC.) Rydb.; *Franseria tenuifolia* Gray; *Gaertneria tenuifolia* (Gray) Kuntze]
[Wooton & Standley, 1915] [NMC; WSMR]
- A. MONOGYRA (Torr. & Gray ex Gray) Strother & Baldwin Burrobrush; Cheesebush
[*Hymenoclea monogyra* Torr. & Gray ex Gray]
- APHANOSTEPHUS (Turner, 1984)
- A. RAMOSISSIMUS DC. var. HUMILIS (Benth.) Turner & Birdsong Plains Dozedaisys; Low Faintcrown
[*Aphanostephus arizonicus* Gray; *A. humilis* (Benth.) Gray]
[Shinners, 1946b] [UTEP; NMC]
- ARTEMISIA (Keck, 1946; Cronquist, 1994; Schultz, 2006)
- A. CARRUTHII Wood ex Carruth. Carruth's Sagebrush
[Keck, 1946]
[UNM]
- A. DRACUNCULUS L. False-tarragon Sagewort; Tarragon; Dragon Wormwood
[*Artemisia glauca* Pall. ex Willd.; *A. dracunculina* S. Wats.]
[Metcalfe, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Muldavin et al., 1994]
[UTEP; NMC; BLIS]
- A. FRANSERIOIDES Greene Rough Sagebrush; Ragweed Wormwood
[Wooton & Standley, 1915, Organ Peak]
- A. LUDOVICIANA Nutt.
ssp. ALBULA (Woot.) Keck New Mexico Wormwood
[*Artemisia microcephala* Woot.; *A. albula* Woot.]
[Wooton, 1898; Fosberg, 1940; Keck, 1946]
[US; NY]
NOTE: The type locality of both these synonyms is the Organ Mts. (Standley, 1910; Wooton & Standley, 1915)
ssp. MEXICANA (Willd. ex Sprengel) Keck Mexican Wormwood
[*Artemisia redolens* Gray; *A. neomexicana* Greene]
[Metcalfe, 1903; Wooton & Standley, 1915; Keck, 1946; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994] [UTEP; NMC; BLIS]
NOTE: The subspecies listed above are considered to be varieties by Cronquist (1994).
- BACCHARIS (Mahler & Waterfall, 1964; Sundberg & Bogler, 2006)
- B. PTERONIOIDES DC. Yerba-de-Pasmo
[*Baccharis ramulosa* (DC.) Gray]
[Torrey, 1859; Wooton & Standley, 1915; Mahler & Waterfall, 1964; Dick-Peddie & Moir, 1970; Benson & Darrow, 1981, map; Muldavin et al., 1994] [UTEP]
- B. SALICIFOLIA (Ruiz & Pavon) Pers. Seepwillow; Mule's Fat; Willow Baccharis
[*Molina salicifolia* Ruiz & Pavon; *Baccharis glutinosa* Pers.; *B. viminea* DC.]
[Wooton & Standley, 1915; Mahler & Waterfall, 1964; Benson & Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994] [UTEP; BLIS]
- B. SALICINA Torr. & Gray Great Plains Seep-willow
[*Baccharis emoryi* Gray]
[UTEP; BLIS]
- B. THESIOIDES Kunth in H.B.K. Arizona Seep-willow
[UNM]
- BAHIA (Ellison, 1964)
- B. ABSINTHIFOLIA Benth. Hairy-seed Bahia; Dealbata's Bahia
[*Bahia dealbata* Gray; *B. absinthifolia* Benth var. *dealbata* Gray]
[Wooton & Standley, 1915; Fosberg, 1940; Ellison, 1964, a record from the mesa W of the Organ Mts. for var. *dealbata*; Van Devender & Everitt, 1977, Bishop Cap; Ward, 1983,

- chromosome count from a population of var. *dealbata* (A. Gray) A. Gray from 5 km E of Las Cruces; Muldavin et al., 1994] [UTEP; NMCR]
- B. BITERNATA Gray Slim-lobe Bahia
[*Villanova biternata* (Gray) Woot. & Standl.]
[Wooton & Standley, 1915]
- B. PEDATA Gray Blunt-scale Bahia
[*Eriophyllum pedatum* (Gray) Kuntze]
[Ellison, 1964, a record from mesa west of Organ Mts.; Muldavin et al., 1994]
[ARIZ; US; UTEP]
- BAILEYA (Turner, 1993)
- B. MULTIRADIATA Harv. & Gray ex Gray Desert Bailey; Desert Marigold
[Wooton & Standley, 1915; Van Devender & Everitt, 1977; Keil & Pinkava, 1979]
[UTEP; NMC; BLIS]
- BEBBIA (Whalen, 1977)
- B. JUNCEA (Benth.) Greene var. ASPERA Greene Rush Bebbia; Sweetbush
[*Baileya aspera* A. Nels.]
[NMC]
- BERLANDIERA (Pinkava, 1967)
- B. LYRATA Benth. Lyre-leaf Greeneyes
[Metcalf, 1903; Wooton & Standley, 1915; Pinkava, 1967] [UTEP; NMC]
- BIDENS (Sherff, 1937; Sherff, 1955; Strother & Weedon, 2006)
- B. BIGELOVII Gray Bigelow's Beggarticks
[Metcalf, 1903; Wooton & Standley, 1915; Sherff, 1937; Muldavin et al., 1994]
[UTEP; NMC]
- B. LEPTOCEPHALA Sherff Slim Beggarticks
[UTEP; BLIS]
- BRICKELLIA (Turner, 1989; Turner, 1990; Scott, 2006)
- B. BACCHARIDEA Gray Resin-leaf Brickellbush
[*Coleosanthus baccharideus* (Gray) Kuntze]
[UTEP]
- B. CALIFORNICA (Torr. & Gray) Gray California Brickellbush
[*Coleosanthus reniformis* (Gray) Rydb.; *C. melissaefolius* Greene]
[Wooton & Standley, 1915; Benson & Darrow, 1981, map; Muldavin et al., 1994]
[UTEP; NMC]
- B. EUPATORIODES (L.) Shinnery var. CHLOROLEPIS (Woot. & Standl.) Turner False Boneset
[*Kuhnia chlorolepis* Woot. & Standl.; *K. rosmarinifolia* Vent.]
[Wooton & Standley, 1915; Shinnery, 1946c] [UTEP; NMC]
NOTE: Cronquist (1994) retains placement within the genus *Kuhnia*.
- B. GRANDIFLORA (Hook.) Nutt. Tassel-flower Brickellbush
[*Coleosanthus umbellatus* Greene; *C. petiolaris* (Gray) Greene]
[Greene, 1898; Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]
[UTEP]
- B. LACINIATA Gray Splitleaf Brickellbush; Cut-leaf Brickellbush
[*Coleosanthus laciniatus* (Gray) Kuntze]
[Torrey, 1859; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map] [UTEP; NMC; NMCR; BLIS]
- B. LEMMONII Gray var. LEMMONII Lemmon's Brickellbush
[*Coleosanthus wootonii* Greene]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
NOTE: The type locality of *Coleosanthus wootonii* Greene is the Organ Mts. (Standley, 1910); see Turner (1990) for the current systematics.
- B. PARVULA Gray Mt. Davis Brickellbush
[UTEP]
- B. RUSBYI Gray Rusby's Brickellbush
[*Coleosanthus rusbyi* (Greene) Kuntze]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]

- B. VENOSA (Woot. & Standl.) Robins. Veiny Brickellbush
[Fosberg, 1940]
- BRICKELLIASTRUM
- B. FENDLERI (Gray) King and Robinson Fendler's Brickellbush
[*Coleosanthus ambigens* Greene; *Brickellia fendleri* Gray]
[Metcalf, 1903; Muldavin et al., 1994] [UTEP; NMC]
- CALYCOSERIS (Cronquist, 1994)
- C. WRIGHTII Gray White Cup-fruit; Wright's Tackstem
[Wooton & Standley, 1915; Tomb, 1974, chromosome count of n=7 from a population
in San Augustine Pass; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC; BLIS]
- CARMINATIA (Turner, 1988)
- C. TENUIFLORA DC. Plumeweed
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- CARPHOCHAETE (Turner, 1987b)
- C. BIGELOVII Gray Bigelow's Bristlehead
[Metcalf, 1903; Wooton & Standley, 1915; Turner, 1987b; Muldavin et al., 1994]
[UTEP; NMC; BLIS]
- CENTAUREA (Moore, 1972; Cronquist, 1994; Allred & Lee, 1999; Keil & Ochsmann, 2006)
- C. MELITENSIS L. Malta Starthistle
[WSMR]
- CHAENACTIS (Stockwell, 1940)
- C. STEVIOIDES Hook. & Arn. Steve's Dustymaiden; Desert Pincushion
[Wooton & Standley, 1915; Stockwell, 1940] [UTEP; NMC]
- CHAETOPAPPA (Nesom, 1988)
- C. ERICOIDES (Torr.) Nesom Baby White Aster; Rose Heath; Sand Aster; Heath Aster
[*Leucelene ericoides* (Torr.) Greene; *L. arenosa* Heller]
[Metcalf, 1903; Wooton & Standley, 1915; Shimmers, 1946a] [UTEP]
- CIRSIUM (Petrak, 1917; Moore & Frankton, 1973; Keil, 2006)
- C. NEOMEXICANUM Gray New Mexico Thistle
[*Carduus neomexicanus* (Gray) Greene; *Cnicus neomexicanus* Gray]
[Gray, 1850-52; Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).
- C. OCHROCENTRUM Gray ssp. OCHROCENTRUM Yellow-spine Thistle
[*Carduus ochrocentrus* (Gray) Greene; *Cnicus ochrocentrus* Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [NMC]
- C. UNDULATUM (Nutt.) Spreng. Wavy-leaf Thistle
[*Carduus undulatus* Nutt.; *Cnicus undulatus* (Nutt.) Gray]
[Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- CONYZA (Nesom, 1990c) (also see LAENNECIA)
- *C. CANADENSIS (L.) Cronq. Canadian Horseweed; Horseweed
[*Erigeron canadensis* L.; *Leptilon canadense* (L.) Britt. & Brown]
[Metcalf, 1903; Muldavin et al., 1994] [UTEP; BLIS]
- COSMOS (Sherff & Alexander, 1955)
- C. PARVIFLORUS (Jacq.) Pers. Southwestern Cosmos
[Metcalf, 1903; Wooton & Standley, 1915] [NMC; BLIS; UTEP]
- DIAPERIA (Anderberg, 1991)
- D. VERA (Raf.) Morefield var. VERA Rabbit-tobacco; Cotton-rose; Spring Cudweed
[*Evax multicaulis* DC.; *E. verna* Raf.]
[UTEP]
- DIETERIA (Hartman, 1990; Nesom, 1990a; Morgan & Hartman, 2003; Morgan, 2006)
- M. ASTEROIDES Torr. var. ASTEROIDES Starry Spine-aster
[*Aster amplifolia* (Woot. & Standl.) Kittell; *Machaeranthera amplifolia* Woot. & Standl.;
Machaeranthera asteroides (Torr.) Greene]
[Wooton & Standley, 1915; Turner, 1987a; Fletcher, et al., 1984; Soreng, 1986; Muldavin
et al., 1994] [UTEP; NMC; BLIS]
- M. CANESCENS (Pursh) Gray ssp. GLABRA (Gray) Turner Sand Goldenweed; Smooth Sand-daisy

[*Aster linearis* (Greene) Cory; *Machaeranthera linearis* Greene]
 [Muldavin et al., 1994] [UTEP, Bishop Cap; NMCR]

ECLIPTA

- E. PROSTRATA (L.) L. Yerba de Tago; False Daisy
 [*Eclipta alba* (L.) Hassk.; *E. erecta* L.]
 [Wooton & Standley, 1915] [NMC]

ENGELMANNIA (Goodman & Lawson, 1992)

- E. PERISTENIA (Raf.) Goodm. & Laws. Engelmann's Daisy
 [*Engelmannia pinnatifida* Torr. & Gray]
 [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]

ERICAMERIA (Nesom, 1990b)

- E. LARICIFOLIA (Gray) Shinnery Larchleaf Goldenweed; Turpentine Bush
 [*Haplopappus laricifolius* Gray; *Chrysoma laricifolia* (Gray) Greene; *Bigelowia nelsoni* Fernald; *Ericameria nelsoni* (Fernald) Blake]
 [Torrey, 1859; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Urbatsch, 1978; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]

ERIGERON (Cronquist, 1947; Nesom, 1989, 2006)

- E. DIVERGENS Torr. & Gray Spreading Fleabane
 [Ward, 1983, chromosome count of n=18 from a population from 0.8 km W of Organ; Muldavin et al., 1994] [UTEP; NMC; BLIS]
 E. FLAGELLARIS Gray Trailing Fleabane; Whiplash Fleabane
 [*Erigeron commixtus* Greene; *E. macdougalii* Heller; *E. senilis* Woot. & Standl.; *E. tonsus* Woot. & Standl.]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]
 NOTE: *Erigeron senilis* Woot. & Standl., a synonym of the above, was described from the Organ Mts. (Wooton & Standley, 1913).

- E. MODESTUS Gray Plains Fleabane
 [Muldavin et al., 1994] [UTEP]

- E. TRACYI Greene Running Fleabane
 [*Erigeron colomexicanus* A. Nelson; *E. divergens* Torr. & Gray var. *cinereus* Gray]
 [Ward, 1983, chromosome count of n=27 from a population in Dripping Springs Canyon] [UTEP; BLIS]

FLOURENSIA (Blake, 1921; Dillon, 1984)

- F. CERNUA DC. Tarbush; Hojase; American Tarweed
 [Wooton & Standley, 1915; Blake, 1921; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Muldavin et al., 1994] [UTEP; NMC; NMCR]

GAILLARDIA (Biddulph, 1944; Strother, 2006)

- G. PINNATIFIDA Torr. Slender Gaillardia; Red Dome Blanket-flower
 [Metcalf, 1903; Biddulph, 1944] [NMC; UC; NY; RSA-POM]
 G. PULCHELLA Foug. Firewheel; Indian Blanket
 [*Gaillardia neomexicana* A. Nels.]
 [Metcalf, 1903; Wooton & Standley, 1915; Nelson, 1926; Biddulph, 1944; Ward, 1983, chromosome count of n=17 from a population of var. *pulchella* at Aguirre Springs; Turner & Whalen, 1976, systematics; Heywood & Levin, 1984, systematics] [UTEP; NMC; NMCR]

GALINSOGA (Canne, 1977)

- *G. PARVIFLORA Cav. Quickweed; Gallant Soldier
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UNM]

GRINDELIA (Nesom, 1990e; Strother & Wetter, 2006)

- G. SQUARROSA (Pursh) Dunal Curly-cup Gumweed
 [*Grindelia aphanactis* Rydb.; *G. nuda* Wood var. *aphanactis* (Rydb.) Nesom]
 [Metcalf, 1903; Wooton & Standley, 1915; Steyermark, 1934; Muldavin et al., 1994] [UTEP; NMC; BLIS]

GUTIERREZIA (Lane, 1985; Nesom, 2006)

- G. MICROCEPHALA (DC.) Gray Thread-leaf Snakeweed; Small-headed Matchbrush or Snakeweed
 [*Xanthocephalum microcephalum* (DC.) Shinnery; *Gutierrezia glomerella* Greene; *G. lucida* Greene]

- [Greene, 1899; Wooton & Standley, 1915; Fosberg, 1940; Benson & Darrow, 1981, map; Lane, 1985; Muldavin et al., 1994] [UTEP; BLIS]
- NOTE: *Gutierrezia glomerella* Greene was described from the Organ Mts. (Standley, 1910).
- G. SAROTHRAE (Pursh) Britt. & Rusby Broom Snakeweed; Common Matchbrush or Snakeweed
[*Xanthocephalum sarothrae* (Pursh) Shinnery; *Gutierrezia furfuracea* Greene; *G. longifolia* Greene; *G. tenuis* Greene]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Lane, 1985; Muldavin et al., 1994] [UTEP; BLIS]
- G. SPHAEROCEPHALA Gray Round-head Snakeweed
[*Xanthocephalum sphaerocephalum* (Gray) Shinnery]
[Wooton & Standley, 1915; Fosberg, 1940; Ward, 1983a, chromosome of $n=4$ for a population from 13 km SE of Las Cruces reported under the name *Gutierrezia glutinosa* (Sch.) Sch.-Bip.]
[UTEP; NMC; BLIS]
- GYMNOSPERMA (Solbrig, 1961)
- G. GLUTINOSUM (Spreng.) Less. Gumhead; Tatalencho
[*Selloa glutinosa* Spreng.; *Gymnosperma corymbosa* DC.]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Solbrig, 1961; Benson & Darrow, 1981, map; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- HEDOSYNE (Strother, 2000, 2006)
- H. AMBROSIOFOLIA (Gray) Strother
[*Iva ambrosiifolia* (Gray) Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940] [UTEP, NMC]
- HELIANTHUS (Heiser et al., 1969; Schilling, 2006)
- H. PETIOLARIS Nutt. ssp. PETIOLARIS Plains Sunflower
[Heiser, 1956, 1958; Muldavin et al., 1994]
[NMC; NMC; UNM; UTEP]
- HELIOMERIS (Yates & Heiser, 1979; Schilling, 2006)
- H. MULTIFLORA Nutt. Showy Goldeneye
[*Viguiera multiflora* (Nutt.) Blake]
[Wooton & Standley, 1915, Bishop Cap; Muldavin et al., 1994] [UTEP; NMC; BLIS]
NOTE: The taxonomy of this species is controversial. B. L. Turner (personal communication) prefers placement in the genus *Viguiera* and recognizes only *V. multiflora* in the Southwest. Cronquist (1994) also uses the genus *Viguiera* and recognizes *V. multiflora* (a perennial species) and *V. annua* (annual species). Schilling (2006) uses the genus *Helioneris* and recognizes *H. longifolia* and *H. multiflora* as occurring in the southwest.
- HETEROSPERMA (Sherff & Alexander, 1955; Allison, 2006)
- H. PINNATUM Cav. Fineleaf Heterosperma; Wing-petal
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; UNM]
- HETEROTHECA (Semple, 1987, 1996, 2006; Cronquist, 1994; Nesom, 2007)
- H. ARIZONICA (Semple) Nesom Arizona Camphorweed
[*Heterotheca fulcrata* (Greene) Shinnery var. *arizonica* Semple]
[Semple, 1996, Bishop Cap Hills] [UTEP; TEX; LL; RSA-POM]
- H. CANESCENS (DC.) Shinnery Gray Goldaster; Hoary Golden-aster
[*Chrysopsis canescens* (DC.) Torr. & Gray; *C. berlandiera* Greene]
[NMC]
- H. FULCRATA (Greene) Shinnery Rocky Goldaster
[*Heterotheca fulcrata* (Greene) Shinnery var. *fulcrata*; *H. fulcrata* var. *senilis* (Woot. & Standl.) Semple; *Chrysopsis senilis* Woot. & Standl.]
[Metcalf, 1903; Wooton & Standley, 1915; Harms, 1974, chromosome count of $n=9$ for a population in San Augustin Pass; Muldavin et al., 1994; Semple, 1987, 1996; Nesom, 2007]
[UTEP; NMC; BLIS; TEX; ASU; WAT]
NOTE: *Chrysopsis senilis* Woot. & Standl., a synonym of the above, was described from the Organ Mts. (Wooton & Standley, 1913) as is part of the type collection of *C. fulcrata* from Filmore Canyon, *Wooton 510* (Standley, 1910; Nesom, 2007).
- H. VISCIDA (Gray) Harms Cliff Golden-aster

- [*Chrysopsis viscida* (Gray) Greene; *C. villosa* (Pursh) Nutt. ex DC. var. *viscida* Gray]
[Fosberg, 1940, as *Chrysopsis hispida* (Hook.) DC.; Semple, 1996] [NMC]
- H. ZIONENSIS Semple Zion Golden-aster
[Semple, 1996, Bishop Cap Hills] [UTEP; NY]
Note: Semple (2006) interpreted New Mexico records to be introductions but Nesom (2007) offers a broader interpretation and considers it native to the area. Nesom (2007) points out that many New Mexico collections were originally identified as *Heterotheca villosa* var. *pedunculata*.
- HIERACIUM (Beaman, 1990; Strother, 2006)
- H. FENDLERI Sch. Bip. ssp. FENDLERI Yellow Hawkweed; Fendler's Hawkweed
[*Crepis ambigua* Gray, non G. Balbis]
[Torrey, 1859] [UNM]
- HYMENOPAPPUS (Turner, 1956)
- H. FLAVESCENS Gray var. CANOTOMENTOSUS Gray Yellow Woollywhite; College Flower
[*Hymenopappus robustus* Greene]
[Wooton & Standley, 1915; Turner, 1956] [NMC; DS; MO; NY; RSA-POM; RM; UC; US]
- HYMENOTHRIX (Turner, 1962)
- H. WISLIZENI Gray Trans-Pecos Thimblehead
[Wooton & Standley, 1915; Ward, 1983, chromosome count of n=12 for a population from 1 km W of Organ]
[UTEP; NMC; BLIS]
- H. WRIGHTII Gray Wright's Hymenothrix; Wright's Thimblehead
[Torrey, 1859; Metcalfe, 1903; Wooton & Standley, 1915; Turner, 1962; Muldavin et al., 1994] [UTEP; NMC]
- HYMENOXYS (Bierner, 1994, 2001, 2006)
- H. ODORATA DC. Western Bitterweed; Poison Rubberweed
[*Actinella odorata* (DC.) Gray; *Hymenoxys cockerellii* Woot. & Standl.]
[UTEP, Bishop Cap]
- H. VASEYI (Gray) Cockl. Vasey's Rubberweed
[*Actinella vaseyi* Gray; *Picradenia vaseyi* (Gray) Greene]
[Greene, 1898; Metcalfe, 1903; Cockerell, 1904; Wooton & Standley, 1915; Speese & Baldwin, 1952; Muldavin et al., 1994] [UTEP; NMC]
NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).
- ISOCOMA (Nesom, 1991, 2006)
- I. TENUISECTA Greene Burroweed
[*Haplopappus tenuisectus* (Greene) Blake]
[UTEP]
- LACTUCA (Stebbins, 1939; Chambers, 1973; Strother, 2006)
- L. GRAMINIFOLIA Michx. Arizona Lettuce
[*Lactuca graminifolia* Michx. var. *arizonica* McVaugh]
[NMC, an old record from Parkers Well, 1899]
NOTE: This species was observed growing in Rock Spring Canyon. Strother (2006) did not recognize any varieties and notes that what some recognize as var. *arizonica* may belong to a Mexican species.
- L. SERRIOLA L. Prickly Lettuce
[*Lactuca scariola* L.]
[Muldavin et al., 1994]
- LAENNECIA (Nesom, 1990d; Strother, 2006)
- L. COULTERI (Gray) Nesom Conyza; Coulter's Laennecia
[*Conyza coulteri* A. Gray; *Eschenbachia coulteri* (A. Gray) Rydb.]
[Metcalfe, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]
- L. SOPHIIFOLIA (Kunth in H.B.K.) Nesom Leafy Laennecia; Cut-leaf Woolwort
[*Conyza sophiifolia* Kunth in H.B.K.; *Conyza coulteri* A. Gray var. *tenuisecta*]
[Wooton & Standley, 1915; Muldavin et al., 1994] [NMC]
- MACHAERANTHERA (Hartman, 1990; Nesom, 1990a; Morgan & Hartman, 2006)
- M. TANACETIFOLIA (Kunth) Nees Tanseyleaf Tansyaster; Tahoka Daisy

[*Aster tanacetifolius* H.B.K.; *Dieteria coronopifolia* Nutt.; *Machaeranthera coronopifolia* (Nutt.) A. Nels.]
[UTEP; NMC]

NOTE: Placement of the above species in the genus *Machaeranthera* is one of several interpretations. For alternate views one can start with Cronquist (1994).

MALACOTHRIX (Williams, 1957; Davis, 2006)

M. FENDLERI Gray

Fendler's Desert-dandelion

[Metcalf, 1903; Wooton & Standley, 1915]

[UTEP; NMC]

MELAMPODIUM (Stuessy, 1972; Strother, 2006)

M. LEUCANTHUM Torr. & Gray

Plains Blackfoot-daisy

[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Stuessy, 1970, n=10 from a population in the Organ Mts.; Stuessy, 1972; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994] [UTEP; NMC; BLIS]

PAKERA (Trock, 2006; Turner, 2008)

P. NEOMEXICANA (Gray) W. A. Weber & A. Löve var. NEOMEXICANA

New Mexico Ragwort

[Greenman, 1914; Barkley, 1980] [NMC, US]

Note: Specimens identified as this species are probably the next (Turner, 2008)

P. THURBERI (Gray) Turner

Thurber's Ragwort

[*Senecio thurberi* Gray; *S. tridenticulatus* Rydb.]

[Metcalf, 1903; Muldavin et al., 1994] [NMC; BLIS]

PALAFoxIA (Turner & Morris, 1976; Strother, 2006)

P. SPHACELATA (Nutt. ex Torr.) Cory

Rayed Palafoxia; Othake; Rotting Palafox

NOTE: The record at NMC from the "mesa west of the Organ Mts." is probably from an area of deep sand several km W of the base of the mts.

PARTHENIUM (Rollins, 1950; Strother, 2006)

P. CONFERTUM Gray

Lyreleaf Parthenium; Gray's Feverfew

[*Parthenium lyratum* Gray]

[Wooton & Standley, 1915; Fosberg, 1940] [UTEP; NMCR]

P. INCANUM Kunth

Mariola

[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Rollins, 1950; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]

PECTIS (Keil, 1977, 2006)

P. ANGUSTIFOLIA Torr. var. ANGUSTIFOLIA

Lemonweed; Lemoncillo; Crownseed Pectis

[Wooton & Standley, 1915; Keil, 1977; Van Devender & Everitt, 1977, Bishop Cap; Ward, 1983, chromosome count of n=12 for a population 9.5 km ENE of southern Las Cruces] [UTEP; NMC]

P. FILIPES Harvey & Gray var. SUBNUDA Fern.

Threadleaf Lemonweed

[Keil, 1977, mapped locality] [UTEP, Peña Blanca area; BLIS]

P. PAPPOSA Harvey & Gray var. GRANDIS Keil

Lemonweed; Lemoncillo; Common Chinchweed

[UTEP, Bishop Cap; NMC, mesa west of the Organ Mts.; BLIS]

P. PROSTRATA Cav.

Dwarf Lemonweed; Spreading Chinchweed

[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]

PERICOME (Powell, 1973; Yarborough & Powell, 2006)

P. CAUDATA Gray

Tail-leaf Pericome; Mountain Tail-leaf

[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Powell, 1973; Muldavin et al., 1994] [UTEP; NMC; BLIS]

PERITYLE (Powell, 1969, 1974; Yarborough & Powell, 2006)

P. CERNUA (Greene) Shinnars

Nodding Cliff Daisy; Organ Mountain Rock-daisy

[*Laphamia cernua* Greene]

[Greene, 1898; Metcalf, 1903; Wooton & Standley, 1915; Niles, 1970; Powell, 1969; Powell & Sikes, 1970 (n=18); Todsén, 1973; Fletcher, et al., 1984; Reid, 1985; Soreng, 1986; Skaggs, 1993; DeBruin, Mehlhop and Muldavin, 1994; DeBruin, 1996, habitat and population estimate] [UTEP; NMC]

NOTE: This species is endemic to the Organ Mts. where it grows on igneous rock

- cliffs at elevations of 5000-8800 ft.
- P. CORONOPHOLIA Gray Crow-foot Rock-daisy
[Metcalf, 1903; Wooton & Standley, 1915; Powell, 1974; Soreng, 1986]
[UTEP; NMC; BLIS]
- POROPHYLLUM (Johnson, 1969; Strother, 2006) Odora; Slender Poreleaf
P. GRACILE Benth.
[WSMR]
- P. SCOPARIUM Gray Trans-Pecos Poreleaf
[Wooton & Standley, 1915, Bishop Cap; Fosberg, 1940; Van Devender & Everitt, 1977,
Bishop Cap] [UTEP; NMC; BLIS]
- PSEUDOGNAPHALIUM (Anderberg, 1989; Nesom, 2006) Wright's Cudweed; Wright's Rabbit-tobacco
P. CANESCENS DC.
[*Gnaphalium wrightii* Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- P. MACOUNII Kartesz Macoun's Rabbit-tobacco
[*Gnaphalium macounii* Greene; *G. decurrens* Ives]
[Wooton & Standley, 1915]
- P. STRAMINEUM Kunth Cotton-batting-plant
[*Gnaphalium chilense* Spreng.; *Pseudognaphalium stramineum* (Kunth) W. A. Weber]
[WSMR; UTEP]
- PSILOSTROPHE (Heiser, 1944; Brown, 1978; Strother, 2006) Woolly Paper-flower; Paper-flower
P. TAGETINA (Nutt.) Greene
[Wooton & Standley, 1915; Turner, Turner & Crutchfield, 1988, systematics of varieties]
[UTEP]
- PYRRHOPAPPUS (Northington, 1974; Turner & Kim, 1990; Strother, 2006) Texas False-dandelion; Smallflower Desert-chicory
P. PAUCIFLORUS (D. Don) DC.
[*Pyrrhopappus multicaulis* (DC.) Greene; *P. rothrockii* Gray]
[WSMR, about the main post on WSMR]
Note: Strother (2006) recognized *P. rothrockii* Gray as a distinct species and shows it as part
of the New Mexico flora.
- RAFINESQUIA (Cronquist, 1994; Gottlieb, 2006) New Mexico Plumeseed; Desert Chicory
R. NEOMEXICANA Gray
[*Nemoseris neomexicana* (Gray) Greene]
[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC]
- SANVITALIA (Torres, 1964; Strother, 2006) Abert Sanvitalia; Abert's Creeping Zinnia; Abert's Dome
S. ABERTII Gray
[Metcalf, 1903; Wooton & Standley, 1915; Torres, 1964; Muldavin et al., 1994]
[UTEP; NMC]
- SCHKUHRIA (Heiser, 1945; Strother, 2006) Wright's False Threadleaf
S. PINNATA (Lamarck) Kuntze ex Thellung
[*Schkuhria anthemoidea* (DC.) Coulter var. *wrightii* (Gray) Heiser; *S. wislizenii* Gray
var. *wrightii* (Gray) Blake]
[Wooton & Standley, 1915] [UTEP; NMC]
- SENECIO (Barkley, 1978, 1980; Turner, 1993b; Turner & Barkley, 1990; Barkley, 2006) Mountain Groundsel
S. EREMOPHILOS Ricards. var. MACDOUGALII (Heller) Cronq.
[*Senecio ambrosioides* Rydb.; *S. macdougalii* Heller]
[Muldavin et al., 1994] [UTEP; BLIS]
- S. FLACCIDUS Less. var. FLACCIDUS Thread-leaf Groundsel; Thread-leaf Ragwort
[*Senecio douglasii* DC. var. *longilobus* (Benth.) L. Benson; *S. filifolius* Nutt.]
[Van Devender & Everitt, 1977, Bishop Cap; Ward, 1983, chromosome count of n=20
for a population 5 km E of Las Cruces; Muldavin et al., 1994] [UTEP; NMCR; BLIS]
- SOLIDAGO (Taylor & Taylor, 1983; Semple, et al., 1990; Nesom, 1993, 2008; Semple & Cook, 2006) Three-nerved Goldenrod
S. VELUTINA DC. ssp. SPARSIFLORA (Gray) Semple
[*Solidago sparsiflora* Gray; *S. trinervata* Greene]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP]
- S. WRIGHTII Gray forma ADENOPHORA (Blake) Nesom Wright's Goldenrod

- [*Solidago bigelovii* Gray var. *wrightii* Gray; *S. wrightii* Gray var. *adenophora* Blake]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- SONCHUS (Cronquist, 1994; Hyatt, 2006) Common Sow-thistle
 *S. OLERACEUS L.
 [WSMR, about the post on WSMR
 NOTE: Metcalfe (1903) reported *Sonchus asper* L. From the Organ Mts. We have not been
 able to locate a voucher.]
- STEPHANOMERIA (Gottlieb, 1972, 2006; Goodman & Lawson, 1995) Annual Mitra; Small Wirelettuce
 S. EXIGUA Nutt. ssp. EXIGUA
 [*Ptiloria bigelovii* (Gray) Woot. & Stand.; *P. exigua* (Nutt.) Greene]
 [Wooton & Standley, 1915; Gottlieb, 1972]
 S. PAUCIFLORA (Torr.) A. Nels. Desert Straw; Skeleton Plant; Few-flowered Wire-lettuce
 [*Lygodesmia pauciflora* (Torr.) Shimmers; *Ptiloria pauciflora* (Torr.) Raf.;
Stephanomeria neomexicana (Greene) Cory]
 [Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap;
 Ward, 1983, chromosome count of $n=8$ for a population 13 km E of Las Cruces]
 [UTEP; NMC; BLIS]
 S. THURBERI Gray Thurber's Wire-lettuce
 [*Lygodesmia thurberi* (Gray) Shimmers; *Ptiloria thurberi* (Gray) Greene]
 [NMC]
- STEVIA (Grashoff, 1972) Annual Candyleaf
 S. MICRANTHA Lag.
 [UNM]
- SYMPHYOTRICHUM (Nesom, 1994; Brouillet et al., 2006) Lawn Aster; New Mexico Aster
 S. SUBULATUM (Michx.) Nesom var. PARVIFLORUM (Nees) Sundb.
 [*Aster subulatus* Michx.; *A. exilis* Ell.]
 [Wooton & Standley, 1915][UTEP]
- TAGETES (Strother, 1978, 2006; Soule, 1993) Little Marigold; Licorice Marigold
 T. MICRANTHA Cav.
 [UTEP]
- TARAXACUM (Richards, 1985; Brouillet, 2006) Common Dandelion
 T. OFFICINALE Weber ex Wiggers
 [UTEP]
- TETRANEURIS (Parker, 198; Bierner & Turner, 2006) Naked Rubberweed; Stemmy Four-nerve Daisy
 T. SCAPOSA (DC.) Greene var. SCAPOSA
 [*Hymenoxys scaposa* (DC.) Parker var. *linearis* (Nutt.) Parker; *Tetraneuris linearis*
 (Nutt.) Greene]
 [Wooton & Standley, 1915] [UTEP]
- THELESPERMA (Melchert, 1990; Strother, 2006) Long-stalk Greenthread
 T. LONGIPES Gray
 [Wooton & Standley, 1915; Fosberg, 1940] [UTEP; NMC]
 T. MEGAPOTAMICUM (Spreng.) Kuntze Navajo-tea, Hopi Tea
 [*Bidens gracilis* Torr.; *B. megapotamicum* Spreng.; *Thelesperma gracile* (Torr.) Gray]
 [UTEP; NMC]
- THYMOPHYLLA (Strother, 1986, 2006) Prickleleaf Dogweed
 T. ACEROSA (DC.) Strother
 [*Aciphyllaea acerosa* (DC.) Gray; *Dyssodia acerosa* DC.]
 [Metcalf, 1903] [UTEP, Bishop Cap]
 T. PENTACHAETA (DC.) Small var. BELENIDIUM Fiveneedle Pricklyleaf; Foetid Marigold; Parraleña
 (DC) strother
 [Metcalf, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
 [UTEP; NMC; BLIS]
- TOWNSENDIA (Beaman, 1957; Reveal, 1970; Strother, 2006) Annual Townsend-daisy
 T. ANNUA Beaman
 [Wooton & Standley, 1915, as *Townsendia fendleri* Gray] [NMC]
 T. EXSCAPA (Richards.) Porter Stemless Townsend-daisy

- [*Townsendia sericea* Hook.]
[UTEP; NMC]
TRAGOPOGON (Ownbey, 1950; Soltis, 2006)
*T. DUBIUS Scop. Goats Beard; Yellow Salsify
[UTEP]
TRIXIS (Anderson, 1972; Keil, 2006)
T. CALIFORNICA Kell. var. CALIFORNICA American Trixis; American Threefold
[*Trixis angustifolia* DC.]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir, 1970; Anderson, 1972; Van Devender & Everitt, 1977, Bishop Cap; Ward, 1983, chromosome count of $n=27$ for a population 5.7 mi E of Las Cruces; Muldavin et al., 1994]
[UTEP; NMC; NMCR; BLIS]
UROPAPPUS (Chambers, 1955; 1964, 2006; Wallace & Jansen, 1990)
U. LINDLEYI (DC.) Nutt. Silverpuffs; Linearleaf Microseris
[*Calais linearifolia* DC.; *Microseris linearifolia* (DC.) Sch. Bip.; *M. lindleyi* (DC.) Gray; *Uropappus pruinosus* Greene]
[Torrey, 1859; Wooton & Standley, 1915] [UTEP; NMC]
VERBESINA (Coleman, 1966)
V. ENCELIOIDES (Cav.) Benth. & Hook. var. EXAURICULATA Rob. Cowpen Daisy; Golden Crownbeard
[Ward, 1983, chromosome count of $n=17$ for a population 11 km E of Las Cruces] [UTEP]
VIGUIERA (Blake, 1918; Schilling, 2006)
V. CORDIFOLIA Gray Heart-leaf Goldeneye
[Metcalf, 1903; Wooton & Standley, 1915; Blake, 1918; Muldavin et al., 1994]
[UTEP; NMC; BLIS]
V. DENTATA (Cav.) Spreng. Sunflower Goldeneye; Toothed Goldeneye
[*Viguiera texana* T. & G.]
[Blake, 1918; Muldavin et al., 1994] [UTEP]
V. STENOLOBA Blake Skeleton Goldeneye; Resinbush
[*Gymnolomia tenuifolia* (Gray) Benth. & Hook.; *Helioomeris tenuifolia* Gray]
[Wooton & Standley, 1915; Blake, 1918; Benson & Darrow, 1981, map] [UTEP]
XANTHISMA (Hartman, 2006)
M. GRACILIS (Nutt.) Shinnars Slender Goldenweed
[*Dieteria gracilis* Nutt.; *Haplopappus gracilis* (Nutt.) Gray; *Sideranthus gracilis* (Nutt.) A. Nels.]
[Wooton & Standley, 1915; Freiley, 1993, locality from west side of San Augustin Pass; Muldavin et al., 1994] [UTEP; NMC; BLIS]
M. PINNATIFIDA (Hook.) Shinnars var. PINNATIFIDA Lacy Tansyaster
[*Haplopappus spinulosus* (Pursh) DC. ssp. *australis* (Greene) Hall; *Sideranthus australis* (Greene) Rydb.]
[Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, as *Machaeranthera scabrella* Greene; Muldavin et al., 1994] [UTEP; BLIS]
NOTE: Turner & Hartman (1976) map var. *pinnatifida* from the Organ Mts. area, but the contact zone with var. *chihuahuana* Turner & Hartman is very close to the south indicating it may also be represented.
XANTHIUM (Löve & Dansereau, 1959; Strother, 2006)
X. STRUMARIUM L. var. CANADENSE (Mill.) Torr. & Gray Cocklebur; Corrada
[UTEP]
Note: Strother (2006) did not recognize any infraspecific taxa.
ZINNIA (Torres, 1963; Smith, 2006)
Z. ACEROSA (DC.) Gray Spinyleaf Zinni; Desert Zinnia
[*Zinnia pumila* Gray; *Crassina pumila* (Gray) Kuntze]
[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Ward, 1983, chromosome count of $n=10$ for a population 11 km E of Las Cruces; Benson & Darrow, 1981, map] [UTEP; NMC; BLIS]
Z. GRANDIFLORA Nutt. Plains Zinnia; Rocky Mountain Zinnia
[*Crassina grandiflora* (Nutt.) Kuntze]

[Muldavin et al., 1994] [UTEP; NMC]

BERBERIDACEAE

Barberry Family

BERBERIS (Ahrendt, 1961; Whittemore, 1997)

B. HAEMATOCARPA Woot.

Red Barberry; Red Oregon-grape; Algerita

[*Mahonia haematocarpa* (Woot.) Fedde; *Odostemon haematocarpus* (Woot.) Heller]

[Wooton, 1898; Metcalfe, 1903; Wooton & Standley, 1915; Ahrendt, 1961]

[UTEP; NMC; BLIS]

BIGNONIACEAE

Catalpa Family; Bignonia Family

CHILOPSIS (Henrickson, 1985)

C. LINEARIS (Cav.) Sweet ssp. LINEARIS

Desert-willow

[*Bignonia linearis* Cav.; *Chilopsis saligna* D. Don]

[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Henrickson,

1985, recent systematics and mapped localities for the Organ Mts. area] [UTEP; NMC]

BORAGINACEAE

Borage Family

CRYPTANTHA (Higgins, 1971, 1979)

C. ANGUSTIFOLIA (Torr.) Greene

Bristlelobe Cryptantha; Panamint Cat's-eye

[*Eritrichium angustifolium* Torr.; *Krynitzkia angustifolia* (Torr.) Gray]

[UTEP, south side of Bishop Cap Hills]

C. BARBIGERA (Gray) Greene

Bearded Cat's-eye

[*Eritrichium barbigerum* Gray]

[UTEP; BLIS]

C. CINEREA (Greene) Cronq. var. CINEREA

James's Cat's-eye

[*Eritrichium multicaule* Torr.; *Cryptantha jamesii* (Torr.) Payson var. *multicaulis*

(Torr.) Payson]

[Wooton & Standley, 1915; Payson, 1927; Ward, 1983, chromosome count of $n=6$ from a population 5.7 mi. E of Las Cruces] [UTEP]

C. CRASSISEPALA (Torr. & Gray) Greene var. ELACHANTHA I. M. Johnst.

Thick-sepal Cat's-eye

[Wooton & Standley, 1915] [UTEP]

C. MEXICANA (Brandeggee) I. M. Johnst.

Mexican Cat's-eye

[UTEP]

C. MICRANTHA (Torr.) I. M. Johnst.

Red-root Cat's-eye; Purple-rooted Cryptantha

[*Eremocarya micrantha* (Torr.) Greene; *Eritrichium micranthum* Torr.]

[Wooton & Standley, 1915] [UTEP]

C. OBLATA (M. E. Jones) Payson

Rough Cat's-eye

[*Krynitzkia oblata* M. E. Jones; *Oreocarya hispidissima* Woot. & Standl.; *Oreocarya oblata* (Jones) Macbr.]

[Wooton & Standley, 1915; Macbride, 1916; Payson, 1927] [UTEP]

C. PTEROCARYA (Torr.) Greene

Winged Cat's-eye

var. PTEROCARYA

[*Eritrichium pterocaryum* Torr.; *Krynitzkia pterocarya* (Torr.) Gray]

[Spellenberg, Mahrt & Brozka, 1991]

var. CYCLOPTERA (Greene) Macbr.

[*Cryptantha cycloptera* Greene; *Krynitzkia cycloptera* Greene]

[Metcalfe, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]

C. PUSILLA (Torr. & Gray) Greene

Low Cat's-eye

[*Eritrichium pusillum* Torr. & Gray; *Krynitzkia pusilla* (Torr. & Gray) Gray]

[UTEP]

HACKELIA (Gentry & Carr, 1976)

H. PINETORUM (Greene ex Gray) I. M. Johnst.

Stickseed; Forget-me-not

- var. PINETORUM
 [*Lappula pinetorum* Greene]
 [Gentry & Carr. 1976]
 var. JONESII J. L. Gentry
 [Metcalf, 1903, as *Lappula ursina* Greene; Wooton & Standley, 1915, as *Hackelia ursina* (Greene ex Gray) I. M. Johnst.; Gentry, 1974; Gentry and Carr, 1976; Muldavin et al., 1994, as *H. ursina*] [US, both vars.; UTEP]
- LAPPULA (Johnston, 1924a; Higgins, 1979)
 L. OCCIDENTALIS (S. Wats.) Greene var. CUPULATA (Gray) Higgins Spiny Sheepbur
 [*Lappula texana* (Scheele) Britt. var. *texana*; *L. texana* (Scheele) Brit. var. *coronata* (Greene) Nels. & Macbr.; *L. redowskii* (Hornem.) Greene var. *desertorum* (Greene) I. M. Johnst.]
 [Metcalf, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
 [UTEP]
- LITHOSPERMUM (Johnston, 1924a; Johnston, 1952; Higgins, 1979)
 L. INCISUM Lehm. Narrowleaf Gromwell; Fringed Gromwell
 [*Lithospermum linearifolium* Goldie; *L. angustifolium* Michx.; *L. oblongum* Greene]
 [Metcalf, 1903; Wooton & Standley, 1915] [NMC]
 L. MULTIFLORUM Gray ex Gray Manyflowered Stoneseed; Purple Gromwell
 [Metcalf, 1903; Muldavin et al., 1994] [UNM]
- PECTOCARYA (Veno, 1979)
 P. PLATYCARPA (Munz & Johnst.) Munz & Johnst. Broad-fruit Combseed; Borad-winged Pectocarya
 [NMC; WSMR, Little Goat Mtn.]
- PLAGIOBOTHRYS (Johnston, 1932; Higgins, 1979)
 P. ARIZONICUS (Gray) Greene ex Gray Bloodweed; Arizona Popcorn-flower
 [*Eritrichium canescens* var. *arizonicum* Gray]
 [NMC, Cox Ranch in the Organ Mts.; WSMR]
- TIQUILIA (Richardson, 1977)
 T. CANESCENS (DC.) A. Richards. var. CANESCENS Gray Coldenia; Woody Crinklemat
 [*Coldenia canescens* DC.; *Stegnocarpus canescens* (DC.) Torr.]
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
 [UTEP, Bishop Cap; BLIS]
 T. GOSSYPINA (Woot. & Standl.) A. Richards. Texas Crinklemat
 [*Coldenia gossypina* (Woot. & Standl.) I. M. Johnst.]
 [UTEP, Bishop Cap]
 T. GREGGII (Torr. & Gray) A. Richards. Plumed Crinklemat; Plume Coldenia
 [*Ptilocalyx greggii* Torr.; *Coldenia greggii* Gray]
 [Wooton & Standley, 1915, Bishops Cap; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]
 ? T. HISPIDISSIMA (Torr. & Gray) A. Richards. Spiny Crinklemat; Rough Coldenia
 [*Coldenia hispidissima* (T. & G.) Gray; *Eddya hispidissima* Torr.]
 [Van Devender & Everitt, 1977, Bishop Cap] [NMC, from the mesa west of the Organ Mts.]
 NOTE: This species is associated with gypsum and is easily confused with
Tiquilia gossypina. The records should be reviewed.

BRASSICACEAE (CRUCIFERAE)

Mustard Family

- BOECHERA (Rollins, 1993; Al-Shehbaz, 2003)
 B. FENDLERI (S. Wats.) W. A. Weber Fendler's Rock-cress
 [*Arabis fendleri* (S. Wats.) Greene]
 [Rollins, 1941; Ward, 1983, chromosome count of n=7 for a population from Dripping Springs Canyon] [UTEP; NMC]
 NOTE: The type locality for *Arabis porphyrea* Woot. & Standl. is La Cueva in the Organ Mts. (Wooton & Standley, 1913, 1915).
 B. PERENNANS S. Wats. Perennial Rock-cress
 [*Arabis angulata* Greene ex Woot. & Standl.; *A. eremophila* Greene]

- [UTEP; NMC]
- B. PORPHYREA (Woot. & Standley) Windham & Al-shehbaz Wooton's Rock-cress
[UTEP]
NOTE: The type locality for *Arabis porphyrea* Woot. & Standl. is La Cueva in the Organ Mts. (Wooton & Standley, 1913, 1915).
- CAPSELLA (Rollins, 1993)
*C. BURSA-PASTORIS (L.) Medik. Shepherd's Purse
[WSMR, on the post at WSMR]
- CHORISPORA (Rollins, 1993)
*C. TENELLA (Pallas) A. P. de Candolle Crossflower
[WSMR, community of White Sands]
- DESCURAINIA (Rollins, 1993)
D. INCISA (Engelm. ex Gray) Britt. ssp. VISCOSA (Rydb.) Rollins Tansy-mustard
[*Descurainia richardsonii* (Sweet) Schulz ssp. *viscosa* (Rydb.) Detling]
[Detling, 1939] [UTEP; US]
- D. PINNATA (Walt.) Britt. Western Tansy-mustard
ssp. GLABRA (Woot. & Standl.) Detling
[*Sophia glabra* Woot. & Standl.]
[Detling, 1939]
NOTE: The type locality of this subspecies is the Organ Mts. (Wooton & Standley, 1913, 1915).
ssp. HALICTORUM (Cockerell) Detling
[*Sophia halictorum* Cockerell; *S. adrenarum* Cockerell var. *osmiarum* Cockerell]
[Wooton & Standley, 1915; Detling, 1939; Van Devender & Everitt, 1977, Bishop Cap]
[UTEP; BLIS]
NOTE: The subspecies *ochroleuchea* is also recorded from the county (Detling, 1939).
- *D. SOPHIA (L.) Webb ex Prantl Herb Sophia; Flixweed
[UTEP]
- DIMORPHOCARPA (Rollins, 1993)
D. WISLIZENII (Engelm.) Rollins Spectacle-pod; Tourist Plant
[*Dithyrea wislizenii* Engelm.; *D. griffithsii* Woot. & Standl.]
[Wooton & Standley, 1915; Ward, 1983b, chromosome count of n=9 from a population from SE of Las Cruces] [UTEP; NMC]
- DRABA (Rollins, 1993)
D. CUNEIFOLIA Nutt. ex Torr. & Gray var. CUNEIFOLIA Wedgeleaf Whitlow-grass
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
- D. STANDLEYI Macbride & Payson Standley's Draba; Standley's Whitlow-grass
[*Draba gilgiana* Woot. & Standl.]
[Soreng, 1986; DeBruin, Mehlhop and Muldavin, 1994; Muldavin et al., 1994; DeBruin, 1996, habitat and population estimate] [UTEP; NMC; BLIS]
NOTE: *Draba gilgiana* Woot. & Standl. was described from the Organ Mts. (Wooton & Standley, 1913, 1915).
- DRYOPETALON (Rollins, 1993)
D. RUNCINATUM Gray Rock-mustard
[Metcalf, 1903; Wooton & Standley, 1915; Ward, 1983, chromosome count of n=12 for a population from Dripping Springs Canyon] [UTEP; NMC]
- ERYSIMUM (Rollins, 1993)
E. CAPITATUM (Dougl. ex Hook.) Greene Sanddune Wallflower; Western Wallflower; Prairie Rocket
[*Erysimum elatum* Nutt.; *Cheirinia elata* (Nutt.) Rydb.; *Erysimum asperum* (Nutt.) DC. in part; *E. asperrimum* Rydb.; *Cheirinia bakeri* (Greene) Rydb.]
[Wooton & Standley, 1915; Ward, 1984, chromosome count of n=18 from a population at Aguirre Springs; Rollins, 1993, records vars. *capitatum* and *purshii* (Durand) Rollins as occurring in the area; Muldavin et al., 1994, both *E. asperum* and *E. capitatum*] [UTEP; NMC; NMCR; BLIS]
- HALIMOLOBOS (Rollins, 1993)
H. DIFFUSA (Gray) O. F. Schulz Fissurewort

- [*Sisymbrium diffusum* Gray]
 [Metcalf, 1903; Wooton & Standley, 1915; Rollins, 1943; Muldavin et al., 1994]
 [UTEP; NMC]
- LEPIDIUM (Rollins, 1993)
- L. ALYSSOIDES A. Gray var. EASTWOODIAE (Woot.) Rollins Eastwood's Pepperweed
 [*Lepidium eastwoodiae* Woot.]
 [Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Hitchcock, 1936;
 Dick-Peddie & Moir, 1970; Muldavin et al., 1994, as *L. montanum*]
 [UTEP; NMC; BLIS]
- L. LASIOCARPUM Nutt. var. WRIGHTII (Gray) C. L. Hitchc. Wright's Pepperweed; Hairypod Pepperweed
 [*Lepidium wrightii* Gray]
 [Metcalf, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
 [UTEP]
- L. VIRGINICUM L. var. MEDIUM (Greene) C. L. Hitchc. Poor-man's Pepperweed
 [*Lepidium medium* Greene; *L. intermedium* Gray]
 [Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Hitchcock, 1936]
 [UTEP; NMC; BLIS]
 NOTE: *Lepidium intermedium* Gray was described from the Organ Mts. (Standley, 1910).
- NERISYRENIA (Bacon, 1978; Rollins, 1993)
- N. CAMPORUM (Gray) Greene Mesa Greggia; Bicolored Fan-mustard
 [*Greggia camporum* Gray var. *camporum*; *Parrasia camporum* (Gray) Greene]
 [Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977,
 Bishop Cap] [NMC]
- NOCCAIA (Rollins, 1993; Koch & Al-Shehbaz, 2004)
- N. FENDLERI (Gray) Holub ssp. FENDLERI Fendler's Mountain-cress
 [*Thlaspi fendleri* Gray; *T. montanum* L. var. *fendleri* (Gray) Holmgren]
 [Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; the type locality is the
 Organ Mts.; Payson, 1926; Muldavin et al., 1994] [UTEP; NMC]
- PENNELLIA (Rollins, 1993)
- P. MICRANTHA (Gray) Nieuw. Mountain Mock Thelypody; Mountain Pennellia
 [*Heterothrix micrantha* (Gray) Rydb.; *Streptanthus micranthus* Gray; *Thelypodium
 micranthum* (Gray) Wats.]
 [Metcalf, 1903; Wooton & Standley, 1915; Rollins, 1980]
- PHYSARIA (Rollins, 1993; Al-Shehbaz & O'Kane, 2002)
- P. FENDLERI (Gray) Al-Shehbaz & Okane Fendler's Bladderpod
 [*Lesquerella fendleri* (Gray) S. Wats.; *L. praecox* Woot. & Standl.; *L. stenophylla*
 (Gray) Rydb.; *Vesicaria fendleri* Gray]
 [Wooton & Standley, 1915; Payson, 1921; Rollins & Shaw, 1973; Van Devender
 & Everitt, 1977, Bishop Cap; Ward, 1983, chromosome count of n=6 for a population
 from 13 km SE of Las Cruces; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- P. GORDONII (Gray) Al-Shehbaz & O'Kane var. GORDONII Gordon's Bladderpod
 [*Lesquerella gordonii* (Gray) S. Wats. var. *gordonii*; *Vesicaria gordonii* Gray]
 [Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC]
- P. PURPUREA (Gray) Al-Shehbaz & O'Kane Purple Bladderpod
 [*Lesquerella purpurea* (Gray) S. Wats.]
 [Metcalf, 1903; Wooton & Standley, 1915; Payson, 1921; Dick-Peddie & Moir, 1970;
 Rollins & Shaw, 1973; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994]
 [UTEP; NMC; BLIS]
- SCHOENOCRAMBE (Rollins, 1993)
- S. LINIFOLIA (Nutt.) Greene Mountain Mustard; Slimleaf Plainsmustard; Schoenocrambe
 [*Sisymbrium linifolium* (Nutt.) Nutt. ex Torr. & Gray]
 [Metcalf, 1903; Wooton & Standley, 1915; Rollins, 1982; Muldavin et al., 1994]
 [UTEP; NMC; BLIS]
- SISYMBRIUM (Rollins, 1993)
- *S. IRIO L. London Rocket
 [*Norta irio* (L.) Britt.]

- [UTEP]
 STANLEYA (Rollins, 1993) Prince's Plume
 S. PINNATA (Pursh) Britt.
 [*Stanleya arcuata* Rydb.]
 [NMC]
 STREPTANTHUS (Rollins, 1993) Arizona Jewel-flower
 S. CARINATUS Wright
 ssp. ARIZONICUS (S. Wats.) Kruckeberg, Rodman, and Worthington
 [Kruckeberg, Rodman and Worthington, 1982] [UTEP, from Bishop Cap; NMC; WSMR]
 THELYPODIUM (Al-Shehbaz, 1973; Rollins, 1993) Wright's Thelypody
 T. WRIGHTII Gray
 [*Stanleyella wrightii* (Gray) Rydb.]
 [Metcalf, 1903; Wooton & Standley, 1915; Payson, 1922; Dick-Peddie & Moir, 1970;
 Al-Shehbaz, 1973; Muldavin et al., 1994] [UTEP; NY]

CACTACEAE

Cactus Family

- CORYPHANTHA (Benson, 1982; Zimmerman and Parfitt, 2003)
 C. MACROMERIS (Engelm.) Lem. Nipple Behive-cactus; Short-nipple Cactus; Long Mamma
 [Fosberg, 1931; Benson, 1982, mapped in the Organ Mts.] [UTEP; NMC]
 C. ROBUSTISPINA (Schott ex Engelm.) Britt. & Rose Scheer's Behive Cactus; Pineapple Cactus
 [*Coryphantha muehlenpfordtii* (Poselgr.) B. & R.; *C. scheer* (Muehlenpfordt) Lemaire
 var. *valida* (Engelm.) L. Benson; *Mammillaria scheeri* Muehlenpfordt]
 [Benson, 1982, maps var. *valida* (Engelm.) L. Benson in the Organ Mts.] [UTEP]
 NOTE: This species is not uncommon on some of the western slopes of the Organ Mts. at
 about 5000 ft. (Fletcher, et al., 1984)
 C. SNEEDII (Britt. & Rose) Berger Carpet Foxtail Cactus; Sneed's Foxtail Cactus
 [*Coryphantha organensis* D. Zimmerman; *Escobaria sneedii* Britt. & Rose var. *sneedii*]
 [Wooton & Standley, 1915, record of *Mammillaria tuberculosa* from Van Patten's Camp
 in the Organ Mts. is probably an early collection of the species; Wagner & Sabo, n.d.; Zimmerman,
 1972; Worthington & Freeman, 1980; Fletcher et al., 1984; Heil & Brack, 1986; Van Devender
 & Rondeau, 1992; Davis, 1996, declining populations on Bishop Cap; Worthington, 2008]
 [UTEP]
 C. TUBERCULOSA (Engelm.) A. Berger Cob Cactus; Whitecolumn Foxtail Cactus
 [*Coryphantha strobiliiformis*; *Escobaria tuberculosa* (Engelm.) B. & R.]
 [Metcalf, 1903; Fosberg, 1940; Benson, 1982, mapped in the Organ Mts. area] [UTEP]
 NOTE: This species is common on limestone substrate on Rattlesnake Ridge and in the
 Bishop Cap Hills.
 C. VIVIPARA (Nutt.) B. & R. Spinystar
 [*Coryphantha vivipara* (Nutt.) B. & R. var. *radiosa* (Engelm.) Backeberg; *Mammillaria*
radiosa Engelm.; *M. radiosa* Engelm. var. *neomexicana* Engelm.]
 [Metcalf, 1903; Van Devender & Everitt, 1977, Bishop Cap; Benson, 1982, mapped in the
 Organ Mts.] [UTEP, north side of the Bishop Cap Hills]
 NOTE: Fosberg (1931) states that *Echinomastus dasyacantha* (Engelm.) Britt. & Rose was
 "found... quite abundantly on the upper portions of the porphyritic alluvial fans at the
 base of the Organs." Since he did not report the above species from the area and Benson
 (1982) reports no *dasyacantha* from New Mexico, it seems likely that he was observing
Coryphantha vivipara.
 CYLINDROPUNTIA (Pinkava, 2003)
 C. IMBRICATA (Haw.) F. M. Knuth var. IMBRICATA Tree Cholla; Cane Cactus
 [*Opuntia arborescens* Engelm.; *O. imbricate* (Haw.) A.DC.]
 [Wooton & Standley, 1915; Fosberg, 1931, as *Opuntia spinosior* at Bishop Cap; Fosberg, 1940;
 Van Devender & Everitt, 1977, Bishop Cap; Benson, 1982, mapped locality; Pinkava et al.,
 1992 Muldavin et al., 1994] [UTEP]
 Note: Hybrids of this species with *Cylindropuntia spinosior* (Engelm.) F. M.
 Knuth occur in the Peña Blanca area.

- C. KLEINIAE (A.DC.) F. M. Knuth Klein's Cholla; Candle Cholla
 [*Opuntia kleiniae* A.DC.]
 [Benson, 1982, mapped locality in the Organ Mts.] [UTEP]
- C. LEPTOCAULIS (A.DC.) F. M. Knuth Christmas Cactus; Pencil Cholla
 [*Opuntia leptocaulis* A.DC.]
 [Fosberg, 1931, Bishop Cap; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson, 1982, mapped localities] [UTEP]
- ECHINOCACTUS (Benson, 1982; Zimmerman and Parfitt, 2003)
- E. HORIZONTHALONIUS Lem. Devilshead; Eagle-claw Cactus; Blue-barrel
 [Wooton & Standley, 1915, from Bishop Cap; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC]
- ECHINOCEREUS (Benson, 1982)
- E. COCCINEUS Engelm. Claret-cup; Scarlet Hedgehog-cactus
 [*Echinocereus triglochidiatus* Engelm. var. *melanacanthus* (Engelm.) L. Benson]
 [Fosberg, 1931, 1940; Benson, 1982; Muldavin et al., 1994, not to variety]
- E. DASYACANTHUS Engelm. Texas Rainbow; Spiny Hedgehog-cactus
 [*Echinocereus pectinatus* (Scheidw.) Engelm. var. *neomexicanus* (Coulter) L. Benson]
 [Wooton & Standley, 1915, from the mesa west of the Organ Mts.; Fosberg, 1931, Bishop Cap area; Muldavin et al., 1994]
- E. FENDLERI (Engelm.) Engelm. ex Rümpler Fendler's Cactus; Fendler's Hedgehog-cactus
 [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1931, 1941; Benson, 1982, mapped in the Organ Mts.] [UTEP]
- E. STRAMINEUS (Engelm.) F. Seitz Strawberry Pitaya; Strawberry Hedgehog-cactus
 [Fosberg, 1931, Bishop Cap; Fosberg, 1940; Moore, 1967, from mesa west of Organ Mts.; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]
 NOTE: This species occurs on limestone substrate on Rattlesnake Ridge and in the Bishop Cap Hills. Some scattered individuals occur in the Peña Blanca area.
- E. VIRIDIFLORUS Engelm. Nylon Hedgehog-cactus
 [*Echinocereus chloranthus* Engelm.; *E. viridiflorus* Engelm. var. *chloranthus* (Engelm.) N. P. Taylor; *E. viridiflorus* Engelm. var. *cylindricus* (Engelm.) N. P. Taylor]
 [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1931, 1941; Benson, 1982; Muldavin et al., 1994] [UTEP]
- ECHINOMASTUS (Benson, 1982; Zimmerman and Parfitt, 2003)
- E. INTERTEXTUS (Engelm.) Britt. & Rose Early-bloomer; White Viznageta
 [*Neolloydia intertexta* (Engelm.) L. Benson; *Echinocactus intertextus* Engelm.; *Sclerocactus intertextus* (Engelm.) N. P. Taylor]
 [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Benson, 1982, maps vars. *intertexta* and *dasyacantha* (Engelm.) Backeberg in the Organ Mts.; Debruin, Mehlihop and Muldavin. 1994; Muldavin et al., 1994, as *Sclerocactus intertextus*] [UTEP]
- EPITHELANTHA (Benson, 1982; Zimmerman and Parfitt, 2003)
- E. MICROMERIS (Engelm.) Weber ex Britt. & Rose var. MICROMERIS Ping-pong-ball Cactus
 [*Mammillaria micromeris* Engelm.]
 [UTEP]
- FEROCACTUS (Benson, 1982; Zimmerman and Parfitt, 2003)
- F. WISLIZENI (Engelm.) Britt. & Rose Southwestern Barrel Cactus; Fish-hook Barrel-cactus
 [*Echinocactus wislizeni* Engelm.]
 [Wooton & Standley, 1915; Fosberg, 1931, Bishop Cap; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Reid, Lozano, & Odom, 1983; Fletcher, et al., 1984; Muldavin et al., 1994] [UTEP]
- GLANDULICACTUS (Benson, 1982; Zimmerman and Parfitt, 2003)
- G. UNCINATUS (Gal.) Backeberg var. WRIGHTII (Engelm.) Backeberg Chihuahuan Fish-hook Cactus
 [*ancistrocactus uncinatus* (Gal.) L. Benson var. *wrightii* (Engelm.) L. Benson; *Echinocactus uncinatus* Gal. var. *wrightii* Engelm.; *Sclerocactus uncinatus* (Galeotti) Taylor var. *wrightii* (Engelm.) Taylor]
 [Wooton & Standley, 1915, from Bishop Cap; Fosberg, 1931, foot of the Organ Mts.]

and Bishop Cap]

GRUSONIA (Pinkava, 2003)

G. GRAHAMII (Engelm.) H. Robinson

Graham's Club-cholla

[*Opuntia grahamii* Engelm.; *O. schottii* Engelm. var. *grahamii* (Engelm.) L. Benson]

[Fosberg, 1931, as *Opuntia arenaria* at Bishop Cap; Van Devender & Everitt, 1977, Bishop Cap as *Opuntia schottii*; Benson, 1982] [UTEP, south side of Bishop Cap Hills]

MAMMILLARIA (Benson, 1982; Zimmerman and Parfitt, 2003)

M. GRAHAMII Engelm.

Fish-hook Cactus; Graham's Nipple-cactus

[Benson, 1982, mapped in the Organ Mts.] [NMC, from the mesa west of the Organ Mts.]

M. HEYDERI Muhlenpf. var. HEYDERI

Flattened Mammillaria; Heyder's Nipple-cactus

[*Mammillaria applanata* Engelm.; *M. gummifera* Engelm. var. *applanata*

(Engelm.) L. Benson]

[Metcalfe, 1903; Fosberg, 1940; Muldavin et al., 1994] [UTEP]

M. MEIACANTHA Engelm.

Cream Cactus; Little Nipple-cactus

[*Mammillaria gummifera* Engelm. var. *meiacantha* Engelm.; *Neomammillaria*

heyderi (Muhlenf.) Britt. & Rose]

[Wooton & Standley, 1915; Fosberg, 1931; Benson, 1982, mapped in the Organ Mts.;

Pinkava, et al., 1985, record and chromosome count of $n=11$] [UTEP]

M. WRIGHTII Engelm. var. WRIGHTII

Wright's Nipple-cactus

[Zimmerman & Zimmerman, 1977; Benson, 1982, mapped in the Organ Mts.; Weedon, Powell

& Kolle, 1989, $2n=22$ from a population on the W side of the Organ Mts.] [SRSC]

OPUNTIA (Grant & Grant, 1979; Benson, 1982; Pinkava & Parfitt, 1988; Parfitt & Pinkava, 1989; Pinkava, 2003)

O. CHLOROTICA Engelm. & Bigel.

Pancake Pear; Dollarjoint Prickly-pear; Clock-face Prickly-pear

[NMC; WSMR]

O. ENGELMANNII Salm-Dyck. var. ENGELMANNII

Engelmann's Prickly-pear; Cactus-apple

[*Opuntia phaeacantha* Engelm. var. *discata* (Griffiths) L. Benson & Walkington;

O. discata Griffiths]

[Wooton & Standley, 1915; Fosberg, 1931, Bishop Cap; Fosberg, 1940; Dick-Peddie & Moir,

1970; Soreng, 1986; Muldavin et al., 1994]

O. MACROCENTRA Engelm.

Purple Prickly-pear

[*Opuntia violacea* Engelm.; *O. violacea* Engelm. var. *macrocentra* (Engelm.) L. Benson]

[Fosberg, 1931, Bishop Cap; Pinkava, et al., 1985, record and chromosome count of

$n=22$ under the name *O. violacea* var. *violacea*; Pinkava, et al., 1992, record for

Bishop Cap and chromosome count of $2n=44$] [UTEP]

O. PHAEACANTHA Engelm.

Brownspear Prickly-pear; Plains Prickly-pear

[*Opuntia phaeacantha* Engelm. var. *camanchica* (Engelm. & Bigelow) L. Benson;

O. phaeacantha Engelm. var. *major* Engelm.; *O. wootonii* Griffiths]

[Griffiths, 1910; Fosberg, 1931, Bishop Cap; Fosberg, 1940; Anthony, 1956; Van Devender

& Everitt, 1977, Bishop Cap; Benson, 1982, mapped locality; Pinkava, et al., 1985; record

and chromosome count of $n=33$; Muldavin et al., 1994] [UTEP]

PENIOCEREUS (Benson, 1982; Pinkava, 2003)

P. GREGGII (Engelm.) Britt. & Rose var. GREGGII

Night-blooming Cereus

[*Cereus greggii* Engelm.]

NOTE: A population of this species located on the lower slopes of the Organ Mts. has

already been partly removed by parties who want to have it in cultivation (Fletcher,

et al., 1984)

CAESALPINACEAE (see FABACEAE)

CAMPANULACEAE

Bellflower Family

TRIODANIS (McVaugh, 1945)

T. PERFOLIATA (L.) Nieuw. var. PERFOLIATA

Venus's-looking-glass

[*Specularia perfoliata* (L.) A. DC.]

[Metcalfe, 1903; Wooton & Standley, 1915; McVaugh, 1945; Ward, 1983b,

chromosome count of $n=30$ from a population from Aguirre Springs]

[UTEP; NMC]

CANNABACEAE

Hemp Family

CELTIS (Sherman-Broyles, Barker & Schulz, 1997; Whittemore, 2005)

C. RETICULATA Torr.

Netleaf Hackberry

[*Celtis laevigata* Willd. var. *reticulata* (Torr.) L. Benson]

[Townsend, 1893; Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940;

Dick-Peddie & Moir, 1970; Benson & Darrow, 1981, map; Soreng, 1986;

Muldavin et al., 1994] [UTEP; NMC; BLIS]

CAPRIFOLIACEAE

Honeysuckle Family

LONICERA (Rehder, 1903)

L. ALBIFLORA Torr. & Gray

Busby Honeysuckle; White Honeysuckle

[*Lonicera dumosa* Gray; *L. albiflora* T. & G. var. *dumosa* (Gray) Rehd.]

[Metcalfe, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]

SYMPHORICARPOS (Jones, 1940)

S. LONGIFLORUS Gray

Desert Snowberry

[UTEP]

S. ROTUNDIFOLIUS Gray

Round-leaf Snowberry

[*Symphoricarpos oreophilus* Gray; *S. palmeri* G. N. Jones]

[Torrey, 1859; Metcalfe, 1903; Wooton & Standley, 1915; Jones, 1940; Soreng, 1986;

Muldavin et al., 1994] [UTEP; BLIS; NMC, NY; MO]

VALERIANA (Meyer, 1951)

V. ARIZONICA Gray

Valerian; Tobaccoroot; Arizona Valerian

[*Valeriana ovata* Rydb.; *V. acutiloba* Rydb. var. *ovata* (Rydb.) A. Nels.]

CARYOPHYLLACEAE

Pink Family

ARENARIA (Maguire, 1951; McNeil, 198; Hartman, Rabeler & Utech, 2005)

A. LANUGINOSA (Michx.) Rohrb. var. SAXOSA (Gray) Zarucchi

Spreading Sandwort

[*Arenaria confusa* Rydb.; *A. saxosa* Gray; *A. mearnsii* Woot. & Standl.; *A. saxosa*

Gray var. *mearnsii* (Woot. & Standl.) K. & P.; *Spergulastrum lanuginosum* (Michx.)

Ssp. *saxosum* (Gray) Weber]

[NMC; UTEP]

CERASTIUM

C. ARVENSE L. ssp. STRICTUM (L.) Ugborogho

Field Chickweed

[*Cerastium scopulorum* Greene; *C. strictum* L.]

[Metcalfe, 1903; Wooton & Standley, 1915] [NMC]

C. AXILLARE Correll

Trans-Pecos Chickweed

[UTEP]

C. GLOMERATUM Thuill.

Sticky Chickweed

[Spellenberg, Mahrt & Brozka, 1991] [UTEP]

C. NUTANS Raf. var. OBTECTUM Kearney & Peebles

Powderhorn Chickweed; Nodding Chickweed

[*Cerastium sericeum* S. Wat.]

[Metcalfe, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]

DRYMARIA (Duke, 1961; Hartman, 2005)

D. GLANDULOSA Bartling var. GLANDULOSA

Fendler's Drymary

[*Drymaria fendleri* S. Wats.; *D. glandulosa* K. Presl. var. *fendleri* (S. Wats.) Fosberg]

[Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; BLIS]

EREMOGONE (Hartman, Rabeler & Utech, 2005)

E. FENDLERI (Gray) Ikonnikov

Fendler's Sandwort

[Metcalfe, 1903; Wooton & Standley, 1915; Maguire, 1951] [NMC; BLIS]

PARONYCHIA (Turner, 1983; Hartman, Thieret & Rabeler, 2005)

- P. JAMESII Torr. & Gray James's Nailwort
 [Metcalf, 1903; Wooton & Standley, 1915; Core, 1941] [UTEP; NMC]
- SILENE (Hitchcock & Maguire, 194; Morton, 2005)
 S. ANTIRRHINA L. Sleepy Catchfly; Sleepy Silene
 [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
- S. LACINIATA Cav. ssp GREGGII (Gray) C. L. Hitch. & Maguire Cardinal Catchfly; Mexican Champion
 [*Silene greggii* Gray; *S. laciniata* Cav. var. *greggii* (Gray) S. Wats.]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- S. PLANKII C. L. Hitchc. & Maguire Rio Grande Fire Pink; Plank Champion; Plank's Catchfly
 [Tods, 1973; Worthington, 1981b; Soreng, 1986; DeBruin, Mehlhop and Muldavin, 1994] [NMC]
- NOTE: Plank Champion occurs on igneous cliffs at elevations of 5000-6500 ft. from the Franklin Mountains of El Paso County, Texas, to the mountains near Albuquerque. It is in Long Canyon in the Organ Mts.
- S. SCOULERI Hook. ssp. PRINGLEI (Wats.) Hitchc. & Maguire Scouler's Champion; Pringle's Catchfly
 [*Silene concolor* Greene; *S. pringlei* Wats.]
 [Muldavin et al., 1994] [BLIS; UNM]
- STELLARIA (Morton, 2005)
 S. CUSPIDATA Willd. ex Schlecht. Mexican Starwort
 [*Alsine cuspidata* (Willd.) Woot. & Standl.]
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]

CHENOPODIACEAE

Goosefoot Family

- ATRIPLEX (Brown, 1956; Wagner & Aldon, 1978; Welsh, 2003)
 A. CANESCENS (Pursh) Nutt. Four-wing Saltbush; Chamisa
 [Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Dunford, 1984, distribution of cytotypes in the area; Muldavin et al., 1994] [UTEP; BLIS]
- A. ELEGANS (Moq.) D. Dietr. var. ELEGANS Wheel-scale Saltbush; Wheel-scale
 [*Obione elegans* Moq.; *O. radiata* Torr.]
 [UTEP]
- CHENOPODIUM (Aellen & Just, 1943; Crawford, 1975, 1977; Clemants & Mosyakin, 2003)
 C. BERLANDIERI Moq. var. ZSCHACKEI (Murr.) Murr. Pitseed Goosefoot
 NOTE: This species is a weed on the main post at WSMR.
- C. FREMONTII Wats. var. FREMONTII Fremont's Goosefoot
 [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- C. INCANUM (Wats.) Heller var. ELATUM Crawford Mealy Goosefoot
 [*Chenopodium fremontii* S. Wats. var. *incanum* S. Wats.]
 [Crawford, 1977; Muldavin et al., 1994] [UTEP; BLIS]
- C. LEPTOPHYLLUM (Moq.) Nutt. ex S. Wats. Narrowleaf Goosefoot
 [UTEP]
- DYSPHANIA (Weber, 1985; Palomino-H., 1990; Clemants & Mosyakin, 2003)
 D. GRAVEOLENS (Willd.) Mosyakin & Clemants Fetid Goosefoot
 [*Chenopodium graveolens* Willd.; *C. incisum* Poir. var. *neomexicanum* (Aellen) Aellen; *Teloxys graveolens* (Willd.) W. A. Weber]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]
 [UTEP; NMC; BLIS]
- KOCHIA (Blackwell, Baechle & Williamson, 1978; Mosyakin, 2003)
 K. SCOPARIA (L.) Schrad. ssp. SCOPARIA Belvedere; Mexican Fireweed
 [UTEP]
- KRASCHENINNIKOVIA (Meeuse & Smit, 1971; Reveal & Holmgren, 1972; Holmgren, 2003)
 K. LANATA (Pursh) A. D. J. Meeuse & Smit Winterfat; Whitesage
 [*Eurotia lanata* (Pursh) Moq. var. *subspinosus* (Rydb.) Kear. & Peeb.; *Ceratoides lanata* (Pursh) Howell var. *subspinosus* (Rydb.) Howell]
 [Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map]
 [UTEP]

SALSOLA (Beadle, 1973; Botschantzev, 1974; Forbes & Allred, 1999; Mosyakin, 1996, 2003)

*S. PAULSENII Litvinov

Barbwire Russian Thistle

[UTEP]

*S. TRAGUS L.

Russian Thistle; Tumbleweed

[*Salsola kali* L.; *S. iberica* Senn. & Pau; *S. kali* L. ssp. *tragus* (L.) Aellen;

S. kali L. ssp. *tenuifolia* Tausch; *S. pestifer* A. Nels.; *S. australis* R. Br.]

[UTEP]

NOTE: Wilken (1993) treats this species under the name *Salsola tragus* L. and

remarks that *S. pestifer* A. Nels. might be the valid name.

CLEOMACEAE

POLANISIA (Iltis, 1958a, 1958b)

P. DODECANDRA (L.) DC. ssp. TRACHYSERMA (Torr. & Gray) Iltis

Red-wisker Clammyweed

ssp. TRACHYSERMA (Torr. & Gray) Iltis

[*Polanisia trachysperma* T. & G.; *P. dodecandra* (L.) DC. var. *trachysperma* (Torr. & Gray) Iltis]

[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]

ssp. UNIGLANDULOSA (Cav.) Iltis

[*Polanisia uniglandulosa* (Cav.) A.DC.]

[Metcalf, 1903; Wooton & Standley, 1915; Iltis, 1958a; Muldavin et al., 1994]

[UTEP; NMC; BLIS]

CONVOLVULACEAE (also see CUSCUTACEAE)

Morning Glory Family

CONVOLVULUS (Austin, 1990b)

C. EQUITANS Benth.

Hoary Bindweed; Gray Bindweed; Texas Bindweed

[*Convolvulus hermannoides* Gray; *C. incanus* Vahl; *C. simulans* Gray]

[Wooton & Standley, 1915; Fosberg, 1940] [UTEP; NMC; BLIS]

DICHONDRA (Austin, 1990b)

D. ARGENTEA Humb. & Bonpl. ex Willd.

Silver Pony's-foot

[Metcalf, 1903; Wooton & Standley, 1915; Austin, 1992] [UTEP; NMC]

D. BRACHYPODA Woot. & Standl.

New Mexico Pony's-foot

[Wooton & Standley, 1913, 1915; Tharp & Johnston, 1961; Muldavin et al., 1994]

[UTEP; BLIS]

NOTE: The type locality of this species is Filmore Canyon in the Organ Mts. (Wooton & Standley, 1913, 1915).

EVOLVULUS (Austin, 1990b)

E. ALSINOIDES L. var. ANGUSTIFOLIA Torr.

Slender Evolvulus; Slender Morning-glory

[*Evolvulus acapulcensis* Willd. ex Roem. & Schult.]

[Fosberg, 1940; Austin, 1990a] [UTEP]

NOTE: It is probable that the collections referred to *Evolvulus linifolius* L. by Wooton & Standley (1915) and Fosberg (1940) are this species.

E. LAETUS Gray

Wild Dwarf Morning-glory

[*Evolvulus arizonicus* Gray; *E. arizonicus* Gray var. *laetus* (Gray) van Ooststr.]

[Austin, 1990a] [NMC]

E. NUTTALLIANUS Roemer & Schultes

Hairy Evolvulus; Shaggy Morning-glory

[*Evolvulus pilosus* Nutt.]

[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]

E. SERICEUS Sw. var. SERICEUS

Silky Evolvulus; Silvery Morning-glory

[*Evolvulus sericeus* Sw. var. *discolor* (Benth.) Gray; *E. wilcoxianus* House]

[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [NMC; UTEP]

IPOMOEA (Austin, 1990b)

I. CARDIOPHYLLA Gray

Heartleaf Morning-glory; Dutchman's-pipe Morning-glory

[*Ipomoea aristolochiifolia* auct. non (Kunth) G. Don]

- [Metcalf, 1903; Wooton & Standley, 1915; Austin, 1992] [UTEP; NMC; BLIS]
- I. COSTELLATA Torr. Crested Morning-glory
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- I. CRISTULATA Hallier f. Trans-Pecos Morning-glory; Scarlet Morning-glory
[*Ipomoea coccinea* L. var. *hederifolia* (L.) Gray; *Quamoclit hederifolia* (L.) Choisy]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]
[UTEP; NMC; BLIS; WSMR]
- I. DUMETORUM Willd. ex Roem. & Schult. Railway-creeper
[McDonald, 1984; Austin, 1990b, 1992] [TEX-LL]
NOTE: McDonald discovered this species at 2500 m in Filmore Canyon. It is a rare species known from the White Mts. of New Mexico, Davis Mts. in Texas, a locality in Mexico and several localities in South America.
- *I. HEDERACEA Jacq. Ivy-leaf Morning-glory
[UTEP]
- I. LINDHEIMERI Gray Blue Morning-glory; Lindheimer's Morning-glory
[Austin, 1992] [UTEP]
- ?I. PUBESCENS Lam. Silky Morning-glory
[Austin, 1990b, 1992] [UNM]
NOTE: This species and the preceeding are very similar. Austin (1990b) reports both species from Doña Ana Co. A collection at NMC is from Mineral Hill on White Sands Missile Range.
- *I. PURPUREA (L.) Roth Common Morning-glory; Mexican Morning-glory
[*Ipomoea desertorum* House; *I. hirsutula* Jacq. f.; *I. mexicana* Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Austin, 1990a; Muldavin et al., 1994]
[UTEP; NMC; BLIS]
NOTE: Austin (1990b) reports *Ipomoea leptophylla* from Doña Ana Co., but does not give the complete locality data. It may have been collected in the Organ Mts.

CORNACEAE (see GARRYACEAE)

CRASSULACEAE

Orpine Family; Stonecrop Family

SEDUM (Clausen, 1975)

- S. COCKERELLII Britt. Cockerell's Stonecrop
[*Sedum wootonii* Britt.; *S. griffithsii* Rose]
[Metcalf, 1903; Wooton & Standley, 1915; Clausen & Uhl, 1943; Uhl, 1972]
[UTEP; NMC; BLIS]
NOTE: *Sedum wootonii* Britt., a synonym of the above, was described from the Organ Mts. (Standley, 1910).
- S. WRIGHTII Gray ssp. PRISCUM Clausen Wright's Stonecrop
[Metcalf, 1903; Clausen & Uhl, 1943; Uhl, 1972, chromosome count of n=12 for a population in the Organ Mts.; Muldavin et al., 1994] [UTEP; NMC]

CROSSOSOMATAACEAE

Crossosoma Family

GLOSSOPETALON (Thorne & Scogin, 1978; Holmgren, 1988)

- G. SPINESCENS Gray var. SPINESCENS Spiny Greasebush
[*Forsellesia spinescens* (Gray) Greene]
[Wooton & Standley, 1915; Ensign, 1943; Benson & Darrow, 1981, map]
[UTEP, NMC, RSA-POM, UC]

CUCURBITACEAE

Gourd Family

APODANTHERA (Zimmerman, 1922; Bates et al., 1990)

- A. UNDULATA Gray Melon-loco

- [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC]
- CUCURBITA (Bailey, 1943; Rhodes, et al., 1968; Bates et al., 1990)
- C. FOETIDISSIMA Kunth Buffalo Gourd; Missouri Gourd
 [Cucurbita perennis Gray; Pepo foetidissima (Kunth) Britt.]
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]
- IBERVILLEA (Kearns, 1994; Bates et al., 1990)
- I. TENUISECTA (Gray) Small Slimlobe Globeberry; Deer-apples
 [Sicydium lindheimeri (Gray) Greene var. tenuisectum Gray]
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; BLIS]
- SICYOS (Bates et al., 1990)
- S. AMPELOPHYLLUS Woot. & Standl. Streamside Burr-cucumber
 [Sicyos laciniatus L. var. subintigera Cogn.]
 [UTEP; NMC]
- S. GLABER Woot. Smooth Burr-cucumber
 [Wooton, 1898; Metcalfe, 1903; Wooton & Standley, 1915; Fletcher et al., 1984; Soreng, 1986;
 Debruin, Mehlhop and Muldavin, 1994] [UTEP; NMC]
- NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).

CUSCUTACEAE

Dodder Family

- CUSCUTA (Yuncker, 1921, 1932, 1965)
- C. UMBELLATA Kunth Flat-globe Dodder
 [WSMR, determination tentative as the collection lacks mature fruits]
 NOTE: The genus *Cuscuta* should be represented in the Organ Mts. flora by more species.
 Records at NMC of *Cuscuta squamata* Engelm. from "Mesa west of Organ Mts."
 indicate it is likely part of the flora.

EUPHORBIACEAE

Spurge Family

- ACALYPHA (Johnston & Warnock, 1962c)
- A. NEOMEXICANA Muell.-Arg. New Mexico Copperleaf
 [Metcalfe, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]
 [UTEP; NMC; NMCR; WSMR]
- CHAMAESYCE (Wheeler, 1941; Johnston, 1975; Mayfield, 1993; Jercinovic, 2007)
- C. ALBOMARGINATA (Torr. & Gray) Small Whitemargin Sandmat; Rattleweed Spurge
 [Euphorbia albomarginata T. & G.]
 [Wooton & Standley, 1915] [UTEP; BLIS]
- C. ARIZONICA (Engelm.) Arthur Arizona Sandmat; Arizona Spurge
 [Euphorbia arizonica Engelm.]
 [Wheeler, 1941; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]
- C. DIOICA (Kunth.) Milsp. Royal Sandmat; Royal Spurge
 [Chamaesyce indivisa (Engelm.) Millsp.; Euphorbia indivisa (Engelm.) Tidest.]
 [Millspaugh, 1914; Wooton & Standley, 1915] [UTEP; NMC]
- C. FENDLERI Torr. & Gray. var. CHAETOCALYX (Boiss.) Shinnery Fendler's Spurge
 var. chaetocalyx Boiss.]
 [Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940] [UTEP]
- C. HYSSOPIFOLIA (L.) Small Hyssop-leaf Spurge
 [Euphorbia hyssopifolia L.]
 [Wheeler, 1941; Muldavin et al., 1994] [UTEP; BLIS]
- C. LATA (Engelm.) Small Hoary Sandmat; Hoary Spurge
 [Euphorbia lata Engelm.]
 [Wooton & Standley, 1915; Wheeler, 1941] [MO]
- C. MICROMERA (Boiss. & Engelm.) Woot. & Standl. Desert Spurge; Sonoran Sandmat
 [Euphorbia micromera Boiss. in DC.]
 [Wooton & Standley, 1915] [UTEP; NMC]

- C. REVOLUTA (Engelm.) Small Threadstem Sandma; Cut-leaf Spurge
 [*Euphorbia revoluta* Engelm.]
 [Wooton & Standley, 1915; Wheeler, 1941, record from west of the Organ Mts.]
 [UTEP; NMC; BLIS]
- C. SERPENS (Kunth.) Small Hierba de la Golondrina; Matted Sandmat; Matted Spurge
 [*Euphorbia serpens* Kunth in H.B.K.]
 [Wooton & Standley, 1915; Wheeler, 1941; Muldavin et al., 1994] [NMC, mesa west of Organ Mts.]
- C. SERPYLLIFOLIA (Pers.) Small Thymeleaf Spurge; Winged Spurge; Thymeleaf Sandmat
 [*Chamaesyce neomexicana* (Greene) Standl.; *Euphorbia serpyllifolia* Pers.]
 [Metcalf, 1903; Wheeler, 1941; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994] [UTEP; BLIS]
- C. SERRULA (Engelm.) Woot. & Standl. Saw-tooth Sandmat; Saw-tooth Spurge
 [*Euphorbia serrula* Engelm.]
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; BLIS]
- C. SETILOBA (Engelm. ex Torr.) Millsp. ex Parish Yuma Sandmat; Shaggy Spurge
 [*Euphorbia setiloba* Engelm.]
 [NMC]
- C. STICTOSPORA (Engelm.) Small Slim-seed Sandmat; Slim-seed Spurge
 [*Euphorbia stictospora* Engelm.]
 [UTEP, Bishop Cap]
- CROTON (Johnston, 1962a)
- C. DIOICUS Cav. Grassland Croton
 [*Croton neomexicanus* Muell.-Arg.]
 [Wooton & Standley, 1915] [NMC]
- C. FRUTICULOSUS Engelm. ex Torr. Bush Croton; Encinilla
 [Metcalf, 1903; Wooton & Standley, 1915; Johnston, 1958 (1959); Johnston & Warnock, 1962a; Dick-Peddie & Moir, 1970; Muldavin et al., 1994]
 [UTEP; NMC; BLIS]
- C. LINDHEIMERIANUS Scheele var. THARPII M. C. Johnst. Tharp's Croton
 [UTEP]
 NOTE: This annual was found at the stock tank on the north side of the Bishop Cap Hills and near Peña Blanca.
- C. POTTSII (Kl.) Muell. -Arg. var. POTTSII Leatherweed
 [*Croton corymbulosus* Engelm.; *C. eremophilus* Woot. & Standl.]
 [Wooton & Standley, 1915; Ward, 1983, chromosome count of n=20 for a population of var. *pottsii* from 8 km E of Las Cruces; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- DITAXIS (Johnston @ Warnock, 1962b; Webber, 1994)
- D. NEOMEXICANA (Muell.-Arg.) Heller New Mexico Silverbush
 [*Ditaxis neomexicana* Muell.-Arg.]
 [Ward, 1983, chromosome count of n=12 for a population 13 km SE of Las Cruces]
 [UTEP; BLIS]
- EUPHORBIA (Johnston, 1975; Oudejans, 1989)
- E. BIFURCATA Engelm. Forked Spurge; Wooton's Spurge
 [*Euphorbia wootonii* Oudejans; *E. delicatula* (Woot. & Standl.) Boiss.; *Zygophyllum delicatulum* Woot. & Standl.]
 [Oudejans, 1989, name change] [UTEP]
- E. BILOBATA Engelm. Black-seed Spurge
 [*Zygophyllum bilobatum* (Engelm.) Standl.]
 [Wooton & Standley, 1915] [NMC; UTEP; BLIS]
- E. CUPHOSPERMA (Engelm.) Boiss. Toothed Spurge; Hairy-fruit Spurge
 [*Euphorbia dentata* Michx.]
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]
- E. CYANTHOPHORA Murray Painted Euphorbia; Wild Poinsettia; Fire-on-the-mountain
 [*Poinsettia cyanthophora* (Murray) Kl. & Gke.; *Euphorbia heterophylla* L. var. *graminifolia* Engelm.]

- [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
 E. EXSTIPULATA Engelm. Square-seed Spurge
 [Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC; BLIS]
 PHYLLANTHUS (Johnston & Warnock, 1963; Webster, 1970)
 P. POLYGONOIDES Nutt. ex Spreng. Knotweed Leaf-flower; Smartweed Leaf-flower
 [Wooton & Standley, 1915; Webster, 1970] [UTEP; BLIS]
 TRAGIA (Miller & Webster, 1967)
 T. RAMOSA Torr. Catnip Noseburn; Branched Noseburn
 [*Tragia nepetifolia* Cav. var. *ramosa* (Torr.) Muell.-Arg.; *T. stylaris* Muell.-Arg.]
 [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir,
 1970; Muldavin et al., 1994] [UTEP; NMC; WSMR]

FABACEAE (LEGUMINOSAE) Legume Family
(MIMOSACEAE, CAESALPINIACEAE and FABACEAE of some authors)

- ACACIA (Isely, 1969, 1973)
 A. ANGUSTISSIMA (Mill.) Ktze. Fern Acacia; Chisos Prairie Acacia; Whiteball Acacia
 var. CHISOSIANA Isely
 [Wooton & Standley, 1915; Muldavin et al., 1994; Turner, 1997]
 [UTEP; NMC; BLIS]
 NOTE: As many as three varieties of this species could occur in the Organ Mts. To sort out
 this problem one should consult the works of Isely (1969, 1973), Benson (1943),
 Benson & Darrow (1981), and Turner (1997).
 A. CONSTRICTA Benth. Mescat Acacia; Western White-thorn Acacia
 var. CONSTRICTA
 var. PAUCISPINA Woot. & Standl.
 [Wooton & Standley, 1909, 1915; Fosberg, 1940; Benson & Darrow, 1981, map; Soreng, 1986]
 [UTEP; NMC; BLIS]
 A. NEOVERNICOSA Isely Viscid Acacia; Stickleaf Acacia; Eastern White-thorn Acacia
 [*Acacia constricta* Benth. var. *vernica* (Standl.) L. Benson; *A. vernica* Standl.]
 [Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Muldavin
 et al., 1994] [UTEP; BLIS]
 AMORPHA (Wilbur, 1975)
 A. FRUTICOSA L. Bastard Indigo; Desert False Indigo; False Indigo-bush
 [*Amorpha arizonica* Rydb.; *A. fruticosa* L. var. *angustifolia* Pursh; *A. fruticosa* L.
 var. *occidentalis* (Abrams) K. & P.; *A. occidentalis* Abrams; et al.] [UTEP; NMC]
 NOTE: The report of *Amorpha californica* Nutt. from the Organ Mts. (Wooton &
 Standley, 1915) is considered unlikely since Wilbur (1975) found no collections
 of that species from New Mexico.
 ASTRAGALUS (Barneby, 1964)
 A. ALLOCHROUS Gray Halfmoon Milkvetch
 var. ALLOCHROUS
 [Allred, 1991]
 [NMC; ARIZ; RSA/POM]
 var. PLAYANUS (M. E. Jones) Isely Wooton Milkvetch
 [*Astragalus playanus* M. E. Jones; *A. wootonii* Sheld.; *Phaca wootonii* (Sheld.) Rydb.]
 [Barneby, 1964; Spellenberg, 1976, record and chromosome count; Allred, 1991]
 [UTEP; NMC; NMCR]
 A. AMPHIOXYS Gray var. AMPHIOXYS Crescent Milkvetch; Aladdin's-slippers
 [NMCR]
 A. EMORYANUS (Rydb.) Cory Emory's Milkvetch
 [Barneby, 1964, mapped locality that could be the Organ Mts.] [NMC]
 A. HUMISTRATUS Gray var. SONORAE (Gray) Jones Ground-cover Milkvetch
 [*Astragalus sonora* Gray]
 [Metcalf, 1903; Wooton & Standley, 1915; Barneby, 1964, mapped locality; Spellenberg,

- 1976, record and chromosome count] [UTEP; NMC; UNM]
- A. MOLLISSIMUS Torr. var. BIGELOVII (Gray) Barneby Bigelow's Wolly Locoweed
 [*Astragalus bigelovii* Gray]
 [Gray, 1850-52; Torrey, 1859; Metcalfe, 1903; Wooton & Standley, 1915; Barneby, 1964]
 [UTEP; NMC; UNM; BLIS]
 NOTE: The type locality of *A. bigelovii* Gray is the Organ Mts.
- A. NUTTALLIANUS A. DC. var. AUSTRINUS (Small) Barneby Nuttall's Milkvetch
 [*Astragalus austrinus* (Small) Schulz; *Hamosa austrina* Small]
 [Metcalfe, 1903; Wooton & Standley, 1915; Barneby, 1964, mapped locality]
 [UTEP; NMC]
- A. TEPHRODES Gray var. TEPHRODES Silverline Locoweed
 [*Tragacantha tephrodes* (Gray) Kuntze; *Xylophacos tephrodes* (Gray) Rydb.]
 [Metcalfe, 1903; Wooton & Standley, 1915; Barneby, 1964] [NMC; UNM]
 NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).
- CAESALPINIA (Isely, 1975)
- *C. GILLIESII (Hook.) Wallich ex D. Dietr. Bird-of-paradise Bush
 [*Poinciana gilliesii* Wallich ex Hook.]
 [UTEP, established in arroyos near Organ]
- CHAMAECRISTA (Isley, 1975; Gandhi & Hatch, 1988)
- C. NICTITANS (L.) Moench var. MENSALIS (Greenman) Irwin & Barneby Partridge-pea
 [*Cassia leptadenia* Greenman]
 [Metcalfe, 1903, as *Cassia calycioides* DC.; Wooton & Standley, 1915; Isley, 1975]
 [UTEP; NMC]
- COLOGANIA (Turner, 1992)
- C. PALLIDA Rose Pale Cologania
 [*Cologania pulchella* H. B. K.]
 [Metcalfe, 1903; Wooton & Standley, 1915; Turner, 1992, mapped locality near the Organ Mts.] [UTEP; NMC]
 Note: Rose (1903) reports *Cologania pallida* Rose from the Organ Mts. Based on a collection by Vasey in 1891 [US?].
- DALEA (Barneby, 1977)
- D. BRACHYSTACHYA Gray Fort Bowie Prairie-clover
 [*Parosela brachystachys* (Gray) Heller]
 [Wooton & Standley, 1915] [UTEP; NMC]
- D. CANDIDA Michx. ex Willd. var. OLIGOPHYLLA (Torr.) Shinnars White Prairie-clover
 [*Petalostemon candidus* (Willd.) Michx. var. *oligophyllus* (Torr.) F. J. Herm.;
P. oligophyllms (Torr.) Rydb.]
 [Metcalfe, 1903] [UTEP]
- D. FORMOSA Torr. Feather Dalea; Feather Peabush; Feather-plume
 [*Parosela formosa* (Torr.) Vail]
 [Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Spellenberg, 1981, Organ Mts. plants are hexaploids; Benson & Darrow, 1981, map; Muldavin et al., 1994] [UTEP, NMC; BLIS]
- D. JAMESII (Torr.) Torr. & Gray James' Dalea; James' Prairie-clover
 [*Parosela jamesii* (Torr.) Vail; *Psoralea jamesii* Torr.]
 [UTEP]
- D. LEPORINA (Aiton) Bullock Foxtail Prairie-clover
 [*Dalea alba* Michaux; *Psoralea leporina* Aiton]
 [UTEP; BLIS]
- D. NANA Torr. ex Gray var. NANA Dwarf Dalea; Dwarf Prairie-clover
 [*Parosela nana* (Torr. ex Gray) Heller]
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]
- D. NEOMEXICANA (Gray) Cory var. NEOMEXICANA New Mexico Prairie-clover
 [BLIS]
- D. POGONATHERA Gray Bearded Dalea; Bearded Prairie-clover
 [*Parosela pogonathera* (Torr.) Vail]

- [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Ward, 1983b, chromosome count of $n=7$ from a population E of Las Cruces; Muldavin et al., 1994]
[UTEP; NMC; BLIS]
- D. WRIGHTII Gray Wright's Dalea; Wright's Prairie-clover
[*Parosela wrightii* (Gray) Vail]
[Wooton & Standley, 1915, from Bishop Cap; Fosberg, 1940; Muldavin et al., 1994]
[UTEP; BLIS]
- DESMANTHUS (Luckow, 1993)
- D. COOLEYI (Eaton) Trel. Cooley Desmanthus; Cooley's Bundle-flower
[*Acuan jamesii* (T. & G.) Kuntze; *Desmanthus jamesii* T. & G.]
[Metcalf, 1903; Wooton & Standley, 1915; Luckow, 1993] [NMC, NY, UC, US]
- DESMODIUM (Schubert, 1940)
- D. GRAHAMII Gray Graham's Tickclover; Graham's Tick-trefoil
[*Meibomia grahamii* (Gray) Kuntze]
[Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP]
- D. NEOMEXICANUM Gray New Mexico Tickclover; New Mexico Tick-trefoil
[*Meibomia bigelovii* (Gray) Kuntze; *M. neomexicana* (Gray) Kuntze]
[Metcalf, 1903; Wooton & Standley, 1915; Schubert, 1940; Muldavin et al., 1994]
[UTEP; NMC; BLIS]
- GALACTIA
- G. WRIGHTII Gray var. WRIGHTII Wright's Milk-pea
[Muldavin et al., 1994] [BLIS; WSMR]
- HOFFMANNSEGGIA (Isely, 1975; Simpson, 1999)
- H. DREPANOCARPA Gray Sickie-pod Rush-pea
[*Caesalpinia drepanocarpa* (Gray) Fisher]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP]
- H. GLAUCA (Ort.) Eifert Indian Rush-pea; Waxy Rush-pea
[*Hoffmanseggia densiflora* Benth. incl. four vars.]
[Muldavin et al., 1994; Simpson, 1999] [UTEP; NY]
- LATHYRUS (Hitchcock, 1952)
- ? L. LAETIVIRENS Greene ex Rydb. Aspen Pea
[*Lathyrus leucanthus* Rydb. *laetivirens* (Greene) C. L. Hitchc.]
[Metcalf, 1903, as *Lathyrus arizonicus* Britt.; Wooton & Standley, 1915]
NOTE: We have been unable to locate specimens. Barneby (1989) does not include New Mexico in the range of the species.
- LOTUS (Isely, 1981)
- L. GREENEI Ottley ex Kearney & Peebles Green's Trefoil
[*Anisotelus mollis* (Greene) Heller; *Hosackia greenii* Wiggins]
[BLIS; UNM]
- L. PLEBEIUS (Brand) Barneby Pine Deervetch; Commonplace Lotus; New Mexico Trefoil
[*Hosaka puberula* Benth. var. *nana* Gray; *Lotus neomexicanus* Greene; *L. oroboides* (Kunth in H.B.K.) Otl. var. *nanus* (Gray) Isely; *L. oroboides* var. *nummularius* (M. E. Jones) Isely; *L. x nummularius* (M. E. Jones) Tidestrom]
[Gray, 1850-52; Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Ottler, 1944; Ward, 1983, chromosome count of $n=7$ for a population from 0.8 km W of Organ; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS; WSMR]
- LUPINUS (Smith, 1918-1924; Hitchcock, 1961; Barneby, 1989)
- L. BREVICAULIS S. Wats. Short-stem Lupine; Sand Lupine
[*Lupinus dispersus* Heller]
[Wooton & Standley, 1915] [NMC]
- L. CONCINNUS Agradh Annual Lupine; Bajada Lupine; Elegant Lupine
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
- MACROPTILIUM (Delgado Salinas, 1981)
- M. GIBBOSIFOLIUM (Ort.) Delgado Variedleaf Bean; Bush-bean
[*Macroptilium heterophyllum* (Willd.) Marechal & Baudet; *M. heterophyllum* var. *rotundifolium* (Gray) Marechal, Mascherpa & Stanier; *Phaseolus heterophyllus* Willd.;

- P. macropoides* Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Piper, 1926; Fosberg, 1940; Muldavin et al., 1994]
[UTEP; NMC]
- MEDICAGO (Small & Jomphe, 1989)
*M. SATIVA L. Alfalfa; Lucerne
[NMCR]
- MELILOTUS (Stevenson, 1969)
*M. ALBUS Medikus White Sweetclover; White Melilot
[UTEP]
- MIMOSA (Isely, 1973)
M. ACULEATICARPA Ortega var. BIUNCIFERA (Benth.) Wait-a-minute-bush; Catclaw Mimosa
Barneby
[*Mimosa biuncifera* Benth.; *M. biuncifera* var. *glabrescens* Gray; *M. biuncifera* var. *lindheimeri* (Gray) Robins.; *M. flexuosa* Benth.]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir, 1970; Benson & Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- PARKINSONIA (Johnston, 1924b; Isely, 1975)
*P. ACULEATA L. Retam; Jerusalem Thorn; Mexican Palo-verde
[WSMR]
NOTE: This species has been collected along US 70 near the WSMR exit.
- PETERIA (Porter, 1956)
P. SCOPARIA Gray Rush Peteria
[Porter, 1956]
[ARIZ; MO; RM (mesa W of Organ Mts.)]
- PHASEOLUS (Piper, 1926; Delgado Salinas, 1985)
P. ACUTIFOLIUS Gray var. ACUTIFOLIUS Tepary Bean
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]
- P. ANGUSTISSIMUS Gray var. ANGUSTISSIMUS Slimleaf Bean; Narrow-leaf Bean
[Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]
- P. FILIFORMIS Benth. Wright Bean; Slimjim Bean
[*Phaseolus wrightii* Gray]
[UTEP; BLIS]
- POMARIA (Simpson, 1998)
P. JAMESII (Torr. & Gray) Walp. James Rushpea; James's Hog-potato
[*Hoffmanseggia jamesii* Torr. & Gray; *Caesalpinia jamesii* (Torr. & Gray) Fisher]
[Simpson, 1998] [ARIZ, GH, NY]
- PROSOPIS (Johnston, 1962; Isely, 1973; Burkart, 1976)
P. GLANDULOSA Torr. var. TORREYANA (L. Benson) M. C. Johnst. Torrey's Honey Mesquite
[*Prosopis juliflora* (Sw.) DC. var. *torreyana* L. Benson]
[Fosberg, 1940; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- RHYNCHOSIA (Gear, 1978)
R. SENNA Gillies ex Hook. var. TEXANA (T. & G.) M. C. Johnst. Texas Senna; Texas Snout-bean
[*Dolicholus texanus* (T. & G.) Vail; *Rhynchosia senna* Gillies ex Hook. var. *angustifolia* (A. Gray) Gear]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Gear, 1978; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- ROBINIA (Isely & Peabody, 1984; Lavin & Sousa-S, 1995)
R. NEOMEXICANA Gray var. NEOMEXICANA New Mexico Locust
[Townsend, 1893; Metcalf, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Soreng, 1986; Muldavin et al., 1994] [UTEP]
- SENNA (Irwin & Barneby, 1982)
S. BAUHINIOIDES (Gray) Irwin & Barneby Shrubby Senna; Two-leaf Senna
[*Cassia bauhinioides* Gray]
[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
[UTEP; NMC; BLIS]

- S. LINDHEIMERIANA (Gray) Irwin & Barneby Lindheimer Senna; Velvetleaf Senna
 [Cassia lindheimeriana Gray]
 [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; NMCR; BLIS]
- VICIA (Hermann, 1960; Lassetter, 1984)
 V. AMERICANA Muhl. ex Willd. American Vetch; Peavine
 [Metcalf, 1903; Muldavin et al., 1994] [BLIS; UNM]
- V. LUDOVICIANA Nutt. ex T. & G. ssp. LUDOVICIANA Louisiana Vetch; Slim Vetch
 [Vicia exigua Nutt. in Torr. & Gray]
 [Metcalf, 1903, as Vicia hassei Wats.; Wooton & Standley, 1915; Ward, 1984,
 chromosome count of n=7 from a population 18 km E of Las Cruces]
 [UTEP; NMC; BLIS]

FAGACEAE

Beech Family

- QUERCUS (Muller, 1951; Tucker, 1952; Nixon, 1997)
 Q. ARIZONICA Sarg. Arizona White Oak; Arizona Oak
 [Rydb., 1901; Wooton & Standley, 1915; Fosberg, 1940; Muldavin et al., 1994; Nixon, 1997,
 hybrids with *Q. grisea* have been called *Q. x organensis* Trel.] [UTEP]
- Q. GAMBELII Nutt. Gambel's Oak
 [*Quercus gunnisonii* (Torr. & Gray) Rydb.; *Q. leptophylla* Rydb.; *Q. novomexicana*
 (A. DC.) Rydb.; *Q. submollis* Rydb.; *Q. utahensis* (A. DC.) Rydb.; *Q. vreelandii* Rydb.]
 [Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Soreng, 1986; Muldavin et al., 1994]
 [UTEP]
- Q. GRISEA Liebm. Gray Oak
 [Rydb., 1901; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970, cf. *grisea*;
 Soreng, 1986; Muldavin et al., 1994] [NMC]
 NOTE: See also *Q. arizonica*.
- Q. PUNGENS Liebm. Scrub Oak; Sandpaper Oak; Pungent Oak
 [Wooton & Standley, 1915; Benson & Darrow, 1981, map] [UTEP]
- Q. RUGOSA Née Netleaf Oak
 [WSMR, occurs in Texas Canyon at 1860 m]
- Q. TURBINELLA Greene Scrub Live Oak; Desert Scrub Oak
 [*Quercus dumosa* Nutt. var. *turbinella* (Greene) Jepson]
 [Rydb., 1901; Tucker, 1952, maps localities that appear to be in the Organ Mts.; Benson &
 Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994; Nixon, 1997, hybridizes with *Q.*
gambelii and *Q. grisea*] [UTEP]

FOUQUIERIACEAE

Ocotillo Family

- FOUQUIERIA (Henrickson, 1972)
 F. SPLENDENS Engelm. Ocotillo
 [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Van Devender &
 Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Killingbeck, 1992, nitrogen
 reabsorption study in Organ Mts.; Muldavin et al., 1994] [UTEP; NMC]

FRANKENIACEAE

Frankenia Family

- FRANKENIA (Whalen, 1987)
 ? F. JAMESII Torr. Frankenia; James' Seaheath
 [Wooton & Standley, 1915]
 NOTE: The record from the Organ Mts. is from Morgan's Ranch, Wooton, 1895 (NMC)
 (Whalen, 1987).

FUMARIACEAE

Fumitory Family

CORYDALIS (Ownbey, 1947)

C. AUREA Willd.

Golden-smoke; Scrambled-eggs

ssp. OCCIDENTALIS (Engelm. ex Gray) W. G. Ownbey

[*Capnoides montanum* (Engelm.) Britt.; *Corydalis aurea* Willd. var. *occidentalis* Engelm.]

[Wooton & Standley, 1915] [UTEP; NMC; BLIS]

GARRYACEAE

Silk Tassel Family

GARRYA (Dahling, 1978)

G. WRIGHTII Torr.

Wright's Silktassel

[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir,

1970; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]

GENTIANACEAE

Gentian Family

ZELTNERA (Turner, 1993c; Mansion, 2004)

Z. ARIZONICA (Gray) Mansion

Rosita; Buckley Centaury; Arizona Centaury

[*Centaurium arizonicum* (A. Gray) Heller]

[UTEP]

GERANIACEAE

Geranium Family

ERODIUM (Brumhard, 1905; Holmgren, 1997)

*E. CICUTARIUM (L.) L'Her. ssp. CICUTARIAIUM

Alfilerillo; Filaree; Red-stem Storkbill

[*Geranium cicutarium* L.]

[UTEP, Bishop Cap; NMC]

E. TEXANUM Gray

Texas Filaree

[Metcalf, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977,

Bishop Cap] [UTEP; NMC]

GERANIUM (Moore, 1943; Holmgren, 1997)

G. CAESPITOSUM James

Tufted Geranium; Pineywoods Geranium; Purple Cluster Geranium

[*Geranium atropurpureum* Heller; *G. eremophilum* Woot. & Standl.]

[Torrey, 1859; Wooton & Standley, 1915; Jones & Jones, 1943; Ward, 1984, chromosome count of n=26 from a population at Aguirre Springs; Muldavin et al., 1994; Holmgren, 1997, broader systematic interpretation] [UTEP; NMC; BLIS]

G. CAROLINIANUM L.

Carolina Geranium; Crane's-bill

[*Geranium langloisii* Greene]

[Wooton & Standley, 1915] [NMC; WSMR]

GROSSULARIACEAE

Gooseberry Family

RIBES (Berger, 1924)

R. LEPTANTHUM Gray

Trumpet Gooseberry

[*Grossularia leptantha* (Rydb.) Cov. & Britt.]

[Wooton & Standley, 1915; Soreng, 1986] [UTEP]

R. MONTIGENUM McClatchie

Gooseberry Current; Prickly Gooseberry

[Muldavin et al., 1994] [UNM]

NOTE: Martin and Hutchins (1980, 1981) record *Ribes aureum* Pursh and *R. mescalegium*

Cov. from Doña Ana Co., which suggests they are part of the flora.

HELIOTROPACEAE

HELIOTROPIMUM (Ewan, 1942; Higgins, 1979)

H. CONVULVACEUM (Nutt.) Gray

Phlox Heliotrope; Trumpet Heliotrope

[*Euploca convolvulacea* Nutt.; *E. grandiflora* Torr.]

[NMC, from the mesa west of the Organ Mts.]

NOTE: This is a species of sandy habitats. It may not be a part of the Organ Mts. flora as that type of habitat is limited or absent.

H. GREGGII Torr.

Fragrant Heliotrope

[UTEP, from the south side of Bishop Cap; NMC, from the plains west of the Organ Mts.]

HYDRANGEACEAE (see PHILADELPHACEAE)

HYDROPHYLLACEAE

Waterleaf Family

EUCRYPTA (Constance, 1938)

E. MICRANTHA (Torr.) Heller

Smallflowered Eucrypta; Violet Ellisia; Dainty Hide-seed

[*Macrocalyx micrantha* (Torr.) Cov.; *Nyctelea micrantha* (Torr.) Woot. & Standl.;

Phacelia micrantha Torr.]

[Wooton & Standley, 1915] [UTEP; NMC]

NAMA (Hitchcock, 1933; Bacon, 1984)

N. DICHOTOMUM (Ruiz & Pavon) Choisy

Wishbone Fiddleleaf

[*Marilaunidium angustifolium* (Gray) Kuntze; *Nama angustifolium* (Gray) A. Nels.;

Nama dichotomum var. *angustifolium* Gray]

[Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; BLIS]

N. HISPIDUM Gray

[Hitchcock, 1933]

Rough Nama; Sandbells; Purple Roll-leaf

[UTEP; NMC]

PHACELIA (Atwood, 1975)

P. COERULEA Greene

Sky-blue Scorpion-weed

[*Phacelia intermedia* Wooton (in part)]

[Wooton & Standley, 1915; Voss, 1937] [UTEP; NMC]

P. CONGESTA Hook.

Spike Phacelia; Blue Curls; Caterpillars

[Metcalf, 1903; Atwood, 1975; maps a locality in the Organ Mts.; Muldavin et al., 1994]

[UTEP; NMC; NMCR; BLIS]

P. INTEGRIFOLIA Torr. var. INTEGRIFOLIA

Crenate Leaf Phacelia; Gypsum Scorpion-weed

[BLIS; WSMR]

P. INTERMEDIA Wooton

[Metcalf, 1903; Voss, 1937; Atwood, 1975][UTEP; NMC]

P. RUPESTRIS Greene

Rock Scorpion-weed

[*Phacelia congesta* Hook. var. *rupestris* (Greene) Macbride]

[Wooton & Standley, 1915; Voss, 1937; Fosberg, 1940] [UTEP; BLIS]

NOTE: This species was confused with *P. congesta*, but both occur in the Organ Mts.

KOEBERLINIACEAE

KOEBERLINIA (Muller, 1941)

K. SPINOSA Zucc. var. SPINOSA

Allthorn; Crucifixion-thorn

[Wooton & Standley, 1915; Benson & Darrow, 1981, map] [UTEP]

NOTE: This species was once placed in the Capparidaceae.

KRAMERIACEAE

Rhatany Family

KRAMERIA (Simpson, 1989)

K. ERECTA Willd. ex J. A. Schultes

Range Krameria; Range Ratany

[*Krameria parviflora* Benth. var. *glandulosa* (Rose & Painter) Macbr.]

[Wooton & Standley, 1915; Fosberg, 1940; Simpson, 1989; Ward, 1983b, chromosome count of n=6 from a population SE of Las Cruces] [UTEP; NMC]

K. LANCEOLATA Torr.

Trailing Krameria Trailing Ratany

[*Krameria secundiflora* auctores non A. DC.]
[Simpson, 1989; Muldavin et al., 1994]

LAMIACEAE (LABIATAE)

Mint Family

AGASTACHE (Sanders, 1987)

A. CANA (Hook.) Woot. & Standl. Mosquito-plant; Grayish White Giant-hyssop
[Fletcher, et al., 1984; Wooton and Standley, 1913, 1915; Lint & Epling, 1945;
Sanders, 1987] [UTEP, NMC; BLIS]

A. MICRANTHA (Gray) Woot. & Standl. var. MICRANTHA White Giant-hyssop
[Wooton & Standley, 1915; Lint & Epling, 1945; Sanders, 1987; Muldavin et al.,
1994] [UTEP; NMC]

A. PALLIDIFLORA (Heller) Rydb. ssp. NEOMEXICANA (Briquet) Lint & Epling New Mexico Giant-hyssop
[Lint & Epling, 1945] [US-type]

A. PRINGLEI (Briq.) Lint & Epling var. VERTICILLATA Pringle's Giant-hyssop
(Woot. & Standl.) R. W. Sanders
[*Agastache verticillata* Woot. & Standl.]
[Lint & Epling, 1945, as *Agastache breviflora* (Gray) Epling; Sanders, 1987; Muldavin
et al., 1994] [UTEP; NMC; BLIS]
NOTE: This variety was described from the Organ Mts. (Wooton & Standley, 1913).

DRACHNOCEPHALUM (McClintock, 1949)

D. PARVIFLORUM Nutt. Dragonhead
[*Moldavica parviflora* (Nutt.) Britt.]
[Torrey, 1859; Wooton & Standley, 1915] [UTEP; NMC]

HEDEOMA (Irving, 1980)

H. DRUMMONDII Benth. Drummond's False-pennyroyal
[*Hedeoma ciliata* Nutt.; *H. lata* Small; *H. sancta* Small]
[Wooton & Standley, 1915]

H. NANA (Torr.) Briq. Dwarf False-pennyroyal
[*Hedeoma thymoides* Gray]
[Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap;
Ward, 1983, chromosome count of n=18 for a population from 8 km E of Las Cruces;
Muldavin et al., 1994] [UTEP; NMC]

H. OBLONGIFOLIA (Gray) Heller Oblongleaf False-pennyroyal
[*H. piperata* Benth. var. *oblongifolia* Gray; *H. thymoides* Gray var. *oblongifolia* Gray]
[Wooton & Standley, 1915; Irving, 1980, mapped locality; Dick-Peddie & Moir, 1970]
[UTEP; NMC]

H. PLICATA Torr. Veiny False-pennyroyal
[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Irving, 1980, map locality;
Muldavin et al., 1994] [UTEP]

H. PULCHERRIMUM Woot. & Standl. White Mountain False-pennyroyal
[WSMR, in Texas Canyon at 1600 m]

LAMIUM (Mennema, 1989)

*L. AMPLEXICAULE L. Henbit
[UTEP; NMC; WSMR]

MONARDA (Scora, 1967; Turner, 1994c)

M. CITRIODORA Cerv. ex Lag. ssp. AUSTROMONTANA (Epling) Scora Lemon Beebalm
[*Monarda austromontana* Epling]

[Wooton & Standley, 1915, as *Monarda tenuiaristata* (Gray) Small according to
Martin & Hutchins, 1980] [UTEP]

M. PUNCTATA L. var. OCCIDENTALIS (Epling) Palmer & Steyermark Western Beebalm; Spotted Beebalm
[*Monarda punctata* L. var. *lasiodonta* Gray; *M. punctata* ssp. *occidentalis* Epling; *M.*
lasiodonta (Gray) Small]

- [Wooton & Standley, 1915, as *Monarda lasiodonta* (Gray) Small; Scora, 1967]
[UTEP; NMC]
- SALVIA (Hruby, 1962; Strachan, 1982)
- S. HENRYI Gray Henry's Sage; Crimson Sage
[*Salvia henryi* Gray]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940]
- S. LYCIOIDES Gray Canyon Sage
[*Salvia ramosissima* Fernald]
[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Muldavin et al., 1994]
[UTEP; NMC]
- S. PINGUIFOLIA (Fern.) Woot. & Standl. Rock Sage
[*Salvia vinacea* Woot. & Standl.]
[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Benson & Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994] [UTEP; BLIS]
- S. SUBINCISA Benth. Saw-tooth Sage
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP]
- S. SUMMA A. Nels. Mountain Sage; Supreme Sage; Great Sage
[Worthington, 1982] [UTEP; NMC]
- STACHYS (Turner, 1994a)
- S. COCCINEA Ortega Texas Betony; Scarlet Hedge-nettle
[Metcalf, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Turner, 1994a, map locality; Muldavin et al., 1994] [UTEP; NMC; BLIS]

LEGUMINOSAE (see FABACEAE)

LINACEAE

Flax Family

- LINUM (Rogers, 1968, 1981)
- L. ARISTATUM Engelm. Awned Flax; Broom Flax; Bristle Flax
[*Cathartolinum aristatum* (Engelm.) Small]
[Wooton & Standley, 1915] [NMC]
- L. LEWISII Pursh Blue Flax; Prairie Flax; Wild Blue Flax
[Metcalf, 1903; Dick-Peddie & Moir, 1970; Muldavin et al., 1994] [UTEP; NMC]
- L. VERNALE Woot. Spring Flax; Chihuahuan Flax
[*Cathartolinum vernale* (Woot.) Small]
[Wooton & Standley, 1915; Ward, 1983, chromosome count of n=15 for a population from 5.6 km E of Las Cruces] [UTEP; NMC]

LOASACEAE

Stick Leaf Family; Loasa Family

- CEVALLIA (Powell, Powell & Tomb, 1977)
- C. SINUATA Lag. Stinging Cevallia; Stinging-serpent
[Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap]
[UTEP; NMC; BLIS]
- MENTZELIA (Darlington, 1934; Thompson & Powell, 1981)
- M. ALBICAULIS (Dougl. ex Hook.) Torr. & Gray Western Blazingstar; Wavyleaf Mentzelia
[*Acrolasia albicaulis* (Dougl.) Rydb.; *Mentzelia pauciflora* Heller]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- M. ASPERULA Woot. & Standl. Organ Mountain Blazingstar
[Wooton & Standley, 1913, 1915; Darlington, 1934; Thompson & Powell, 1981, map]
[NMC]
- M. MONTANA (A. Davids.) A. Davids. Variagated-bract Blazingstar
[NMC: an authentic, but very old collection from Riley's Ranch]
- M. MULTIFLORA (Nutt.) Gray Desert Blazingstar; Desert Mentzelia; Adonis Blazingstar
[*Bartonia multiflora* Nutt.; *M. pumila* (Nutt.) Torr. & Gray var. *multiflora* (Nutt.)]

- Urb. & Gilg; *Nuttallia multiflora* (Nutt.) Greene]
 [Darlington, 1934; Van Devender & Everitt, 1977, Bishop Cap; Thompson & Powell,
 1981, map] [UTEP; NMC; BLIS]
 M. OLIGOSPERMA Nutt. ex Sims. Chickenthiel; Stickleaf; Pegajosa
 [*Mentzelia monosperma* Woot. & Standl.]
 [Metcalf, 1903; Wooton & Standley, 1915] [NMC; BLIS]
 NOTE: *Mentzelia monosperma* Woot. & Standl. was described from the Organ
 Mts. (Wooton & Standley, 1913).

LORANTHACEAE (see VISCACEAE)

LYTHRACEAE

Loosestrife Family

- LYTHRUM (Shinners, 1953; Graham, 1975)
 L. CALIFORNICUM Torr. & Gray California Lythrum; California Loosestrife
 [*Lythrum linearifolium* (Gray) Small]
 [Metcalf, 1903, as *Lythrum lanceolatum* Ell.; Wooton & Standley, 1915;
 Muldavin et al., 1994] [UTEP; NMC]

MALPIGHIACEAE

Malpighia Family

- JANUSIA (Small, 1910)
 J. GRACILIS Gray Slender Janusia; Propeller-plant
 [Metcalf, 1903; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap;
 Benson & Darrow, 1981, map] [UTEP; NMC]

MALVACEAE

Mallow Family

- ABUTILON (Fryxell, 1983, 1988)
 A. MALACUM S. Wats. Yellow Indian-mallow
 [Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; BLIS]
 A. PARVULUM Gray Dwarf Indian-mallow
 [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]
 ANODA (Fryxell, 1987)
 A. CRISTATA (L.) Schlecht. Crested Anoda; Spurred Anoda
 [*Anoda lavaterioides* Medkus]
 [Wooton & Standley, 1915] [UTEP; NMC]
 HERISSANTIA (Brizicky, 1968; Fryxell, 1988)
 H. CRISPA (L.) Brizicky Netvein Herrisantia; Bladder-mallow
 [*Bogenhardia crista* (L.) Kearn.; *Grayoides crispum* (L.) Small]
 [Wooton & Standley, 1915, from Bishop Cap] [UTEP; WSMR]
 HIBISCUS (Fryxell, 1980)
 H. DENUDATUS Benth. Rock Hibiscus; Paleface Rosemallow; Palefaces
 [Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC; BLIS]
 MALVELLA (Fryxell, 1974)
 M. LEPIDOTA (Gray) Fryxell Scruffy Mallow
 [*Sida lepidota* Gray]
 [UTEP; WSMR]
 RHYNCHOSIDA (Fryxell, 1988)
 R. PHYSOCALYX (Gray) Fryxell Spearleaf Sida; Buff-petal
 [*Sida hastata* St. Hil.; *S. physocalyx* Gray]
 [Wooton & Standley, 1915] [UTEP; BLIS]
 SIDA (Fryxell, 1985, 1988)
 *S. ABUTIFOLIA P. Mill. Spreading Sida; Spreading Fan-petal; Common Wireweed
 [*Sida filicaulis* Torr. & Gray; *S. diffusa* H.B.K.; *S. procumbens* Sw.]

- [Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Ward, 1983, chromosome count of $n=6$ for a population 1 km W of Organ; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
- S. NEOMEXICANA Gray New Mexico Sida; New Mexico Fan-petal
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [NMC]
- SPHAERALCEA (Kearney, 1935; Fryxell, 1988)
- S. ANGUSTIFOLIA (Cav.) G. Don Narrowleaf Globemallow; Copper Globemallow
[*Sphaeralcea cuspidata* (Gray) Britt.; *S. lobata* Woot.]
[Wooton & Standley, 1915] [UTEP]
- S. COCCINEA (Pursh) Rydb. var. ELATA (E. G. Baker) Kearney Scarlet Globemallow
[La Duke & Northington, 1978] [UTEP; NMC]
- S. DIGITATA (Greene) Rydb. ssp. TENUIPES (Woot. & Standl.) Kearney Juniper Globemallow
[*Sphaeralcea digitata* (Greene) Rydb. var. *angustiloba* (Gray) Shinnery; *S. digitata* var. *tenuipes* (Woot. & Standl.) Kearney; *S. tenuipes* Woot. & Standl.]
[Wooton & Standley, 1915, from Bishop Cap; Fosberg, 1940; Muldavin et al., 1994] [NMC; BLIS]
- S. FENDLERI Gray Thicket Globemallow; Fendler's Globemallow
[Metcalf, 1903; Muldavin et al., 1994] [UTEP; BLIS]
- S. HASTULATA Gray Spear Globemallow; Wrinkled Globemallow
[*Sphaeralcea subhastata* Coult. var. *subhastata*; *S. arenaria* Woot. & Standl.]
[Metcalf, 1903; Wooton & Standley, 1913, 1915] [NMC; WSMR]
- S. INCANA Torr. ex Gray Soft Globemallow; Gray Globemallow
[Wooton & Standley, 1915; Fosberg, 1940] [UTEP, Bishop Cap; BLIS]

MARTYNIACEAE (see PEDALIACEAE)

MIMOSACEAE (see FABACEAE)

MOLLUGINACEAE

Carpet-weed Family

- MOLLUGO (Bogle, 1970; Vincent, 2003)
- M. CERVIANA (L.) Ser. Thread-stem Carpetweed
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
- M. VERTICILLATA L. Green Carpetweed; Indian Chickweed
[Wooton & Standley, 1915] [UTEP; NMC]

MORACEAE

Mulberry Family

- MORUS (Wunderlin, 1997)
- M. MICROPHYLLA Buckl. Texas Mulberry
[Townsend 1893; Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir, 1970; Soreng, 1986] [UTEP; NMC; BLIS]

NYCTAGINACEAE

Four O'Clock Family

- ABRONIA (Galloway, 2003)
- A. FRAGRANS Nutt. ex Hook. Snowball; Fragrant Sand-verbena; Heart's Delight
[NMC, mesa W of Organ Mts., 4300 ft.]
- ACLEISANTHES (Poole, 2003)
- A. CHENOPODIOIDES (Gray) Levin Goosefoot Moonpod
[*Ammocodon chenopodioides* (Gray) Standley]
[Metcalf, 1903; Standley, 1909; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC; BLIS]
- ALLIONIA (Turner, 1994b; Spellenberg, 2003)

- A. CHOISYI Standl. Smooth Umbrella Wort; Annual Windmills
 [*Allionia incarnata* L. var. *glabra* Choisy; *Wedelia glabra* Standl.; *Wedeliella glabra* (Choisy) Cockll.]
 [UTEP, Bishop Cap]
- A. INCARNATA L. var. INCARNATA Trailing Four O'Clock; Umbrella-wort; Trailing Windmills
 [*Wedeliella incarnata* (L.) Cockerell]
 [Standley, 1909; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Turner, 1994b, vars.; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- BOERHAVIA (Standley, 1918; Spellenberg, 2003)
- B. COCCINEA P. Mill. Scarlet Spiderling
 [*Boerhaavia viscosa* Lag. & Rodr. *oligadena* Heimerl]
 [Standley, 1909; Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- B. GRACILLIMA Heimerl Slimstalk Spiderling; Bush Spiderling
 [*Boerhavia organensis* Standl.]
 [Standley, 1909; Wooton & Standley, 1915] [UTEP; NMC]
 NOTE: *Boerhavia organensis* Standl. was described from the Organ Mts. (Standley, 1910).
- B. TORREYANA (S. Wats.) Standl. Creeping Spiderling; Torrey's Spiderling
 [*Boerhavia spicata* Choisy]
 [Standley, 1909; Muldavin et al., 1994] [UTEP; NMC]
- B. TRIQUETRA S. Wat. var. INTERMEDIA (M. E. Jones) Spellenberg Five-wing Spiderling
 [*Boerhavia erecta* L. var. *intermedia* (M. E. Jones) K. & P.; *B. intermedia* M. E. Jones]
 [Metcalf, 1903; Standley, 1909; Wooton & Standley, 1915] [UTEP; BLIS]
- B. WRIGHTII Gray Wright's Spiderling; Longbract Spiderling
 [Standley, 1909; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
 [UTEP]
- CYPHOMERIS (Mahrt & Spellenberg, 1995, 2003)
- C. GYPSOPHILOIDES (Mart. & Gal.) Standl. Red Cyphomeris; Delicate Darling
 [*Boerhavia gypsophiloides* (Mart. & Gal.) Standl.]
 [Metcalf, 1903; Standley, 1909; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Mahrt & Spellenberg, 1995] [UTEP; NMC]
- MIRABILIS (Pilz, 1978; Turner, 1993d; Spellenberg, 2003)
- M. ALBIDA (Walter) Heimerl White Four-o'clock
 [*Mirabilis comata* (Small) Standl. *M. oblongifolia* (Gray) Heimerl; ; *Allionia oblongifolia* (Gray) Standl.; *Oxybaphus comatus* (Small) Weatherly]
 [Standley, 1909; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- M. LINEARIS (Pursh) Heimerl Linearleaf Four O'Clock; Narrowleaf Four O'Clock; Ribbon Four-o'clock
 [*Allionia bodinii* (Holzinger) Morong.; *A. divaricata* Rydb. *A. gausapoides* Standl.;
A. linearis Pursh; *A. linearis* var. *subhispida* (Heimerl) Standl.; *A. pinetorum* Standl.;
Oxybaphus linearis (Pursh) Heimerl var. *linearis*; *A. diffusa* (Heller) Reed]
 [Standley, 1909; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]
- M. MULTIFLORA (Torr.) Gray var. MULTIFLORA Colorado Four-o'clock
 [*Oxybaphus multiflorus* Torr.; *Quamoclidion multiflorum* Torr.]
 [Dick-Peddie & Moir, 1970; Muldavin et al., 1994] [UTEP; BLIS]
- M. NYCTAGINEA (Michx.) MacM. Wild Four O'Clock; Heart-leaf Four-o'clock
 [*Allionia nyctaginea* Michx.; *Oxybaphus nyctagineus* (Michx.) Sweet]
 [Metcalf, 1903] [UTEP]
- M. OXYBAPHOIDES (Gray) Gray Spreading Four-o'clock
 [*Allionella oxybaphoides* (Gray) Rydb.; *Quamoclidion oxybaphoides* Gray]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994; Spellenberg, Rodriguez Tijerina, 2001)] [ARIZ]

OLEACEAE

Olive Family

FRAXINUS (Little, 1952; Miller, 1955)

F. VELUTINA Torr.

Velvet Ash; Arizona Ash; Fresno

[*Fraxinus pennsylvanica* Marsh. ssp. *velutina* (Torr.) G. N. Miller; *F. attenuata* M. E. Jones]

[Townsend, 1893; Metcalfe, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Benson & Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994]
[UTEP; NMC; BLIS]

MENODORA (Steyermark, 1932; Turner, 1991b)

M. SCABRA Gray

Rough Menodora; Frog's Eyes

[*Menodora laevis* Woot. & Standl.]

[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Turner, 1991b] [UTEP; NMC; BLIS]

NOTE: The type locality of *Menodora laevis* Woot. & Standl. is the Organ Mts.

ONAGRACEAE

Evening Primrose Family

EPILOBIUM (Munz, 1960; Cronquist, Holmgren & Holmgren, 1997)

E. CILIATUM Raf.

Fringed Willow-herb; Willowweed

[*Epilobium adenocaulon* Hausskn.; *E. novomexicanum* Hausskn.]

[Wooton & Standley, 1915] [UTEP; NMC; BLIS]

EREMOTHERA (Raven, 1969; Wagner, Hoch and Raven, 2007)

E. CHAMAENERIOIDES (Gray) Wagner & Hoch

Longcapsule Suncup; Fireweed Suncup

[*Camissonia chamaenerioides* (Gray) Raven; *Oenothera chamaenerioides* Gray;

Sphaerostigma chamaenerioides (Gray) Small]

[Wooton & Standley, 1915, Bishop Cap] [UTEP; NMC]

OENOTHERA (Munz, 1931; Townner, 1977; Raven & Gregory, 1972; Dietrich, Raven & Wagner, 1985;

Carr, Crisci & Hoch, 1990; Wagner, Hoch & Raven, 2007)

O. ALBICAULIS Pursh

White-stem Evening-primrose

[*Anogra albicaulis* (Pursh) Britt.; *A. ctenophylla* Woot. & Standl.]

[UTEP; NMC]

O. BRACHYCARPA Gray

Shortfruit Evening-primrose; Desert Evening-primrose

[*Lavauxia brachycarpa* (Gray) Britt.; *L. wrightii* (Gray) Small; *Oenothera*

brachycarpa Gray var. *wrightii* (Gray) Leville; *O. caespitosa* Nutt. ssp. *australis*

Woot. & Standl.; *O. wrightii* Gray]

[Fosberg, 1940] [UTEP]

O. CAESPITOSA Nutt. ssp. CAESPITOSA

Tufted Evening-primrose

[*Oenothera caespitosa* Nutt. ssp. *montana* (Nutt.) Munz; *O. caespitosa* ssp. *purpurea*

(S. Wats.) Munz; *Pachylophus montana* (Nutt.) A. Nels.]

[Wooton & Standley, 1915; Muldavin et al., 1994]

O. CURTIFLORA Wagner & Hoch

Velvet-weed

[*Gaura mollis* James; *G. parviflora* Dougl. ex Lehm.]

[UTEP]

O. ELATA Kunth ssp. HIRSUTISSIMA (A. Gray ex S. Wats.) W. Dietrich

Hooker's Evening-primrose

[Muldavin et al., 1994, as ssp. *hookeri*] [NMC, a population in Baylor Canyon]

O. HARTWEGII Benth.

Gartweg's Sundrops

ssp. PUBESCENS (Gray) W. L. Wagner

[*Galpinsia camporum* Woot. & Standl.; *G. lampasana* (Buckl.) Woot. & Standl.;

Oenothera greggii Gray; *O. lampasana* Buckl.]

[Metcalfe, 1903; Wooton & Standley, 1915; Munz, 1929; Townner, 1977]

[NMC; RSA-POM; RM; US]

O. HEXANDRA (Ortega) W. L. Wagner

Harlequinbush

[*Gaura gracilis* Woot. & Standl.; *G. hexandra* Ortega; *G. podocarpa* Woot. & Standl.]

[Wooton and Standley, 1913, 1915; Raven & Gregory, 1972] [UTEP; US]

O. NEOMEXICANA (Small) Munz

New Mexico Evening-primrose

[*Anogra neomexicana* Small]

[Metcalfe, 1903; Wooton & Standley, 1915; Munz, 1931; Dick-Peddie & Moir, 1970;

Muldavin et al., 1994] [UTEP; NMC; BLIS]

O. ORGANENSIS Munz

Organ Mountain Evening-primrose

[*Oenothera macrosiphon* Woot. & Standl.]

[Worthington, 1981a; Fletcher et al., 1984; Dietrich, Raven & Wagner, 1985, systematics,

records and comments: Reid, 1985; Soreng, 1986; Skaggs, 1993; DeBruin, Mehlhop and Muldavin, 1994; Muldavin et al., 1994; DeBruin, 1996, habitat and population estimate] [UTEP, NMC]

NOTE: The type locality for this species is the Organ Mts. (Woot. & Standl., 1913, 1915). It is endemic to the Organ Mts. where it occurs in rocky canyon bottoms and at seeps where water is present.

- O. PALLIDA Lindl. ssp. RUNCINATA (Engelm.) Munz & Kleinz Pale Evening-primeose
[Munz, 1931] [DS]
- O. PRIMIVERIS Gray ssp. PRIMIVERIS Desert Evening-primrose; Early Evening-primrose
[Lavauxia primiveris (Gray) Small]
[Metcalf, 1903; Wooton & Standley, 1915; Munz, 1931; Van Devender & Everitt, 1977]
[UTEP; NMC]
- O. SUFFRUTESCENS (Seringe) Wagner & Hoch Scarlet Gaura; Scarlet Bee-blossom
[Gaura coccinea Nutt. ex Pursh all vars.; G. glabra Lehm; G. odorata Sesse ex Lag.]
[UTEP; NMC; BLIS]

OROBANCHACEAE

Broomrape Family

CASTILLEJA (Nesom, 1992)

- C. INTEGRA Gray Southwestern Indian-paintbrush
[Torrey, 1859; Metcalfe, 1903; Standley, 1909, 1910; Ward, 1983, chromosome count of n=24 for a population 18 km SE of Las Cruces; Muldavin et al., 1994]
[UTEP; BLIS]
NOTE: The type locality is "Organ Mts., east of El Paso," which might actually be the Franklin Mts. (Standley, 1910).

- C. LANATA Gray Woolly Indian-paintbrush
[Wooton & Standley, 1915; Fosberg, 1940] [UTEP; BLIS]
- C. ORGANORUM Standl. Organ Mountain Indian-paintbrush
[Standley, 1909; Wooton & Standley, 1915; Fletcher et al., 1984; Soreng, 1986; Muldavin et al., 1994] [UTEP]
NOTE: The type locality for this species is in the Organ Mts., "not far from Van Patten's Camp" (Standley, 1910). This species is endemic to the Organ Mts. (personal communication Mark Eggers).

CONOPHOLIS (Haynes, 1971)

- C. ALPINA Liebm. var. MEXICANA (Gray ex S. Wats.) Haynes Mexican Indian-root; Cancer-root
[Conopholis mexicana Gray ex S. Wats.]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]

OROBANCHE (Collins, 1973; Heckard & Chuang, 1975)

- O. COOPERI (Gray) Heller ssp. COOPERI Desert Broo-rape; Cooper Broomrape
[Orobanche ludoviciana Nutt. var. latiloba Munz]
[Wooton & Standley, 1915; Martin & Hutchins, 1980, record from Doña Ana County]
[UTEP; NMC]
- O. FASCICULATA Nutt. Cancer Root; Clustered Broom-rape
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
- O. LUDOVICIANA Nutt. ssp. MULTIFLORA (Nutt.) Collins Louisiana Broom-rape
[O. multiflora (Nutt.) Rydb.]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]

OXALIDACEAE

Wood Sorrel Family; Oxalis Family

OXALIS (Denton, 1973)

- O. ALPINA (Rose) Rose ex Kunth Alpine Wood-sorrel
[Ionoxalis metcalfei Small; I. monticola Small; Oxalis metcalfei (Small) Kunth;

- O. monticola* Small]
[Wooton & Standley, 1915] [UTEP; NMC]
O. CORNICULATA L. var. WRIGHTII (Gray) B. L. Turner Wright's Yellow Wood-sorrel
[*Oxalis albicans* Kunth; *O. wrightii* Gray]
[WSMR]
O. LATIFOLIA Kunth Broad-leaf Wood-sorrel
[*Ionoxalis amplifolia* (Trel.) Rose; *Oxalis amplifolia auct. non* (Trel.) Kunth; *O. divergens*
Benth. var. *amplifolia* Trel.]
[Denton, 1973]
[US; UTEP]
O. VIOLACEA L. Violet Wood-sorrel
[Denton, 1973]
[US]

PAPAVERACEAE

Poppy Family

- ARGEMONE (Ownbey, 1958)
A. POLYANTHEMOS (Fedde) G. Ownbey White Prickl-poppy
[*Argemone intermedia* Sweet var. *polyanthemus* Fedde]
[Metcalf, 1903; Wooton & Standley, 1915; Ownbey, 1958] [UTEP; NMC; BLIS]
ESCHSCHOLZIA (Clark, 1978)
E. CALIFORNICA Cham. ssp. MEXICANA (Greene) C. Clark Mexican Poppy; California Poppy
[*Eschscholzia mexicana* Greene]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]
NOTE: Occasional individuals with white flowers are encountered in the Organ
Mts. population.

PEDALIACEAE

Unicorn Plant Family

- PROBOSCIDEA (Bretting, 1985)
P. PARVIFLORA (Woot.) Woot. & Standl. ssp. PARVIFLORA Wooton's Devil's-claw
[*Martynia parviflora* Woot.]
[Wooton, 1898] [UTEP; BLISS]
NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).

PHILADELPHACEAE

Mock Orange Family

- FENDLERIA (Small & Rydberg, 1905; Turner, 2001)
F. FALCATA Thorneb. Cliff Fendle-bush
[*Fendleria rupicola* Engelm. & Gray]
[Wooton & Standley, 1915; Soreng, 1986; Turner, 2001] [UTEP; NMC; BLIS]
FENDLERELLA (Small & Rydberg, 1905; Holmgren & Holmgren, 1997)
F. UTAHENSIS (S. Wats.) Heller var. CYMOSA (Greene ex Woot. & Standl.) Kearney & Peebles Utah Fendler-bush
[*Fendlerella cymosa* Greene ex Woot. & Standl.]
[Metcalf, 1903; Wooton & Standley, 1913, 1915] [UTEP; NMC; UNM]
JAMESIA (Holmgren & Holmgren, 1989)
J. AMERICANA Torr. & Gray. var. AMERICANA Cliffbush
[Holmgren & Holmgren, 1989, systematics and a record from the N side of Organ
Needle] [UTEP; NMC]
PHILADELPHUS (Hu, 1954-1956)
P. MEARNSII Evens ex Koehne Mearns' Mock Orange
[UTEP; NMC from a Bishop Cap population]
P. MICROPHYLLUS Gray ssp. ARGENTEUS (Rydb.) C. L. Hitch. Silver Mock Orange

[*Philadelphus argyrocalyx* Woot. var. *argenteus* (Rydb.) Engler]
 [Dick-Peddie & Moir, 1970; Soreng, 1986; Muldavin et al., 1994]
 [UTEP, NMC]

PLANTAGINACEAE

Plantain Family

MAURANDYA (Elisens, 1985; Sutton, 1988)

M. ANTIRRHINIFLORA (Humb. & Bonpl. ex Willd. Blue Snapdragon Vine; Roving Sailor
 [*Maurandya antirrhiniflora* Humb. & Bonpl. ex Willd.]
 [Metcalf, 1903; Wooton & Standley, 1915; Pennell, 1935; Fosberg, 1940] [UTEP; NMC]

MIMULUS (Grant, 1924; Campbell, 1950)

M. GLABRATUS Kunth Round-leaf Monkey-flower; Smooth Monkey-flower
 [UTEP; NMC; BLIS]

M. GUTTATUS DC. Common Monkey-flower; Seep Monkey-flower
 [*Mimulus cordatus* Greene; *M. langsfordii* Don; *M. nasutus* Greene]
 [Metcalf, 1903; Wooton & Standley, 1915; Campbell, 1950; Mukherjee and Vickery,
 1960, chromosome count of n=13 from a population in San Augustin Pass; Martin &
 Hutchins, 1980; Ward, 1984, chromosome count of n=14 from a population 18 km E
 of Las Cruces] [NMC; WSMR]

M. RUBELLUS Gray Red-stem Monkey-flower
 [*Mimulus gratioloides* Rydb.]
 [Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
 NOTE: Part of the type collection of this species is from the Organ Mts. (Standley, 1910).

NUTTALLANTHUS (Pennell, 1935)

N. TEXANUS (Scheele) D. A. Sutton Texas Toadflax
 [*Linaria canadensis* (L.) Dum. var. *texana* (Scheele) Penn.]
 [Wooton & Standley, 1915; Pennell, 1935, mesa W of Organ Mts.; Ward, 1983a,
 chromosome count of n=6 for a population 14 km E of Las Cruces; Ward, 1983b,
 chromosome count of n=6 from a population in the Organ Mts.] [NMC; WSMR]
 NOTE: Jones et al. (1997) are following placement in the genus *Nuttallanthus*.

PENSTEMON (Nisbet & Jackson, 1960; Crosswhite, 1965, 1966)

P. BARBATUS (Cav.) Roth ssp. TORREYI (Benth.) Keck Southwestern Beardtongue
 [Metcalf, 1903; Nisbet & Jackson, 1960; Dick-Peddie & Moir, 1970; Muldavin et al., 1994]
 [UTEP; NMC; BLIS]

P. FENDLERI Torr. & Gray Fendler's Beardtongue
 [Wooton & Standley, 1915; Pennell, 1935; Nisbet & Jackson, 1960] [UTEP; NMC]

P. LINARIOIDES Gray ssp. LINARIOIDES Toadflax Beardtongue
 [Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Nelson, 1937; Keck, 1937; Nisbet
 & Jackson, 1960]
 [UTEP; NMC; BLIS]
 NOTE: Part of the type collection of this species is from the Organ Mts. (Standley, 1910).

P. PSEUDOSPECTABILIS M. E. Jones ssp. CONNATIFOLIUS (A. Nels.) Keck Desert Beardtongue
 [Torrey, 1859; Metcalf, 1903, as *Penstemon spectabilis* Thurb.; Wooton & Standley,
 1915, as *P. spectabilis* Thurb.; Nisbet & Jackson, 1960; Dick-Peddie & Moir, 1970;
 Muldavin et al., 1994] [UTEP; NMC; BLIS]

P. VIRGATUS Gray Blue Beardtongue
 [Muldavin et al., 1994]

NOTE: This species is reported from upper Filmore Canyon from the saddle overlooking
 Rucker Canyon. We could not locate the voucher.

PLANTAGO (Bassett, 1966)

P. PATAGONICA Jacq. Bristle Bract Plantain; Woolly Plantain
 [*Plantago purshii* Roem. & Schult.; *P. oblonga* Morris; *P. picta* Morris; *P.*
spinulosa Dcne.]
 [Metcalf, 1903; Wooton & Standley, 1915; Poe, 1928; Van Devender & Everitt, 1977,
 Bishop Cap] [UTEP; NMC; BLIS]

P. RHODOSPERMA Dcne. Red-seed Plantain

- [UTEP; WSMR]
 P. VIRGINICA L. Virginia Plantain; Pale-seed Plantain
 [Spellenberg, Mahrt & Brozka, 1991] [NMC; WSMR]
 VERONICA (Pennell, 1921)
 V. AMERICANA Schweitz ex Benth. in A. DC. American Brooklime
 [BLIS]
 *V. ANAGALLIS-AQUATICA L. Water Speedwell; Brook Pimpernel; Blue Speedwell
 [BLIS]
 *V. ARVENSIS L. Corn Speedwell
 [WSMR, found in lawns at community of White Sands]
 V. PEREGRINA L. ssp. XALAPENSIS (Kunth) Pennell Jalapa Speedwell; Neckweed
 [Veronica perigrina L. var. xalapensis (Kunth) Pennell; V. xalapensis Kunth]
 [Wooton & Standley, 1915] [UTEP; NMC]

POLEMONIACEAE

Phlox Family

- ERIASTRUM (Mason, 1945; Harrison, 1972)
 E. DIFFUSUM (Gray) Mason Spreading Eriastrum; Miniature Woolly-star
 [Eriastrum filifolium (Nutt.) Woot. & Standl.; Gilia filifolia Nutt. var. diffusa Gray]
 [Wooton & Standley, 1915; Mason, 1945] [UTEP; NMC; BLIS]
 GILIA (Grant, 1956; Grant & Grant, 1956)
 G. FLAVOCINCTA A. Nels. ssp. AUSTRALIS (A. & V. Grant) Day & Grant Yellow-throat Gilia
 [Metcalf, 1903; Wooton & Standley (1915) record Gilia inconspicua (J. E. Smith)
 Sweet from the Organ Mts. which is probably this species] [UTEP; NMC; BLIS]
 G. MEXICANA Grant & Grant El Paso Gilia
 [Grant and Grant, 1956, cite a Wooton collection from the Organ Mts. collected in 1900
 as representing this species]
 IPOMOPSIS (Grant, 1956; Grant & Wilken, 1986)
 I. AGGREGATA (Pursh) V. Grant ssp. AGGREGATA Scarlet Gilia; Skyrocket
 [Gilia formosissima (Greene) Woot. & Standl.]
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
 I. LONGIFLORA (Torr.) V. Grant ssp. NEOMEXICANA Wilken Whiteflower Ipomopsis; Blue Trumpets
 [Metcalf, 1903; Fletcher & Wagner, 1984; they give no specific locality, but describe
 the two New Mexico subspecies; Ward, 1983, chromosome count of n=7 for a population
 5 km E of Las Cruces; Wilken, 2001] [UTEP; NMC]
 I. MULTIFLORA (Nutt.) V. Grant Many-flowered Skyrocket
 [Gilia brachysiphon Woot. & Standl.; G. multiflora Nutt.; G. polyantha Rydb. var.
 brachysiphon (Woot. & Standl.) Kearney & Peebles]
 [Metcalf, 1903; Kearney & Peebles, 1943] [UTEP]
 NOTE: The type locality of Gilia brachysiphon Woot. & Standl. is the Organ Mts.
 (Wooton & Standley, 1913, 1915).
 I. POLYCLADON (Torr.) V. Grant Sprawling Skyrocket; Manybranched Ipomopsis
 [Gilia polycladon Torr.]
 [Van Devender & Everitt, 1977, Bishop Cap] [UTEP]
 I. PUMILA (Nutt.) V. Grant Low Skyrocket; Dwarf Ipomopsis
 [Gilia pumila Nutt.]
 [Ward, 1983, chromosome count of n=7 for a population 5 km E of Las Cruces]
 [UTEP, Bishop Cap; NMC]
 LINANTHUS (Patterson, 1977)
 L. BIGELOVII (Gray) Greene Bigelow Gilia; Bigelow's Desert-trumpets
 [Gilia bigelovii Gray]
 [Wooton & Standley, 1915]
 PHLOX (Wherry, 1955; Peabody, 1979)
 P. LONGIFOLIA Nutt. Long-leaf Phlox
 [Phlox longifolia Nutt. var. stansburyi (Torr.) Gray; P. tenuis Woot. & Standl.]
 [Torrey, 1859; Nelson, 1899; Metcalf, 1903; Wooton & Standley, 1915; Peabody, 1979,

illustration of topotype from the Organ Mts.] [NMC]

NOTE: The type locality of *Phlox speciosa stansburyi* Torr. is the Organ Mts. (Standley, 1910).

P. TRIOVULATA Thurb. ex Torr.

Three-seed Phlox

[Nelson, 1899; Metcalfe, 1903; Wooton & Standley, 1915] [UTEP; NMC]

NOTE: The present taxonomy of *Phlox* allied to *P. mesoluca* is not satisfactory. The correct name for these plants may be *Phlox nana* Nutt.

POLYGALACEAE

Milkwort Family

POLYGALA (Blake, 1924; Wendt, 1979)

P. ALBA Nutt.

White Milkwort

[Wooton & Standley, 1915; Fosberg, 1940]

P. BARBEYANA Chod.

Narrowleaf Milkwort; Blue Milkwort

[*Polygala longa* Blake; *P. reducta* S. F. Blake]

[Muldavin et al., 1994] [UTEP; NMCR; BLIS]

NOTE: A recent review of Organ Mts. *Polygala* by Bob Denham has failed to confirm the presence of *P. obscura* Benth., reported by Metcalfe (1903) and Wooton & Standley (1915) as being a part of the flora.

P. SCOPARIOIDES Chod.

Broom Milkwort

[UTEP; BLIS]

POLYGONACEAE

Knotweed Family: Buckwheat Family

ERIOGONUM (Reveal, 1976, 1989, 2005)

E. ABERTIANUM Torr.

Abert's Wild-buckwheat

var. ABERTIANUM

[*Eriogonum abertianum* Torr. var. *Bracteatum* Fosberg; *E. a.* Torr. var. *cyclosepalum* (Greene) Fosberg; *E. a.* var. *neomexicanum* Gandoger; *E. a.* var. *ruberrimum* Gandoger; *E. a.* ssp. *pinetorum* (Greene) S. Stokes; *E. a.* var. *villosum* Fosberg; *E. cyclosepalum* Greene; *E. pinetorum* Greene;]

[Wooton & Standley, 1915; Van Devender & Everitt, 1977; Fosberg, 1938, 1940; Van Devender & Everitt, 1977; Ward, 1983, chromosome counts of n=20 for vars. *abertianum* and *cyclosepalum* (Greene Muldavin et al., 1994)]

[UTEP; NMC; BLIS]

NOTE: The type locality of *E. abertianum* var. *neomexicanum* Gandoger is the Organ Mts. (Standley, 1910). Fosberg (1938) described *E. abertianum* var. *bracteatum* from material he collected on Pyramid Peak.

E. HIERACIFOLIUM Benth.

Hawkweed Wild-buckwheat

[*Eriogonum pannosum* Woot. & Standl.; *E. leucophyllum* Woot. & Standl. ssp. *pannosum* (Woot. & Standl.) Stokes]

[Metcalfe, 1903; Wooton & Standley, 1913; Wooton & Standley, 1915; Stokes, 1936; Reveal, 1976; Hess & Reveal, 1976] [NMC; US; GH]

NOTE: The type locality of *E. pannosum* Woot. & Standl. is in the Organ Mountains. Stokes (1936) regarded the species as intermediate to her *lachnogynum* and *alatum* groups and geographically related to both. We are aware of no recent collections of this species from the Organ Mountains.

E. JAMESII Benth. var. JAMESII

James' s Wild-buckwheat

[Metcalfe, 1903; Dick-Peddie & Moir, 1970; Muldavin et al., 1994] [UTEP; NMC; BLIS]

E. POLYCLADON Benth.

Sorrel Wild-buckwheat

[*Eriogonum densum* Greene; *E. vimineum* Dougl. ssp. *polycladon* (Benth.) Stokes]

[Metcalfe, 1903; Wooton & Standley, 1915; Stokes, 1936; Ward & Spellenberg, 1987, report a chromosome count of n=13 from a population 1 km W of Organ] [UTEP; NMC; BLIS]

NOTE: The type locality of *E. polycladon crispum* Gandoger is the Organ Mts. (Standley, 1910).

E. ROTUNDIFOLIUM Benth.

Roundleaf Buckwheat; Saucer-leaf Wild-buckwheat

- [*Eriogonum cernuum* Nutt. ssp. *rotundifolium* (Benth.) Stokes]
[Wooton & Standley, 1915; Fosberg, 1940] [UTEP; NMC]
- E. TRICHOPES Torr. Little Desert-trumpet
[*Eriogonum trichopodum* Torr. ex Benth.]
[Wooton & Standley, 1915] [UTEP; NMC]
- E. WRIGHTII Torr. ex Benth. var. WRIGHTII Wright's Wildbuckwheat; Bastard-sage
[*Eriogonum trachygonum* Torr. in DC. ssp. *wrightii* (Torr.) Stokes]
[Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir, 1970;
Benson & Darrow, 1981, map; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
- RUMEX (Rechinger, 1937; Mosyakin, 2005)
- R. CRISPUS L. ssp. CRISPUS Curly Dock; Curlyleaf Dock; Indian Tobacco
[UTEP]
- R. HYMENOSEPALUS Torr. Cañaigre Dock; Wild Rhubarb; Sand Dock
[Rechinger, 1937; Ward, 1983, chromosome count of n=20 for a population
0.8 km W of Organ] [UTEP; NMC; WSMR]

PORTULACACEAE

Purslane Family

- PHEMERANTHUS (Kiger, 2003; Ferguson, 2001)
- P. AURANTIACUS (Engelm.) Kiger Orange Flameflower
[*Talinum aurantiacum* Engelm.; *T. angustissimum* (Engelm.) Woot. & Standl.]
[Wooton & Standley, 1915] [NMC]
Note: Ferguson (2001) discussed confusion of this taxon with *Talinum angustissimum*
(Grey) Woot. & Standl. (now *Talinum polygaloides* Gilles ex Arnott).
- P. BREVICULIS (S. Wats) Kiger. Dwarf Flameflower; Showy Flameflower
[*Talinum pulchellum* Woot. & Standl.; *Talinum breviculale* S. Wats.]
[NMC]
- P. PARVIFLORUS (Nutt.) Kiger Prairie Flameflower; Small Flameflower; Sunbright
[*Talinum parviflorum* Nutt.; *T. confertiflorum* Greene; *Phemeranthus confertiflorus*
(Greene) Hershkovitz]
[Metcalfe, 1903; Wooton & Standley, 1915]
[UTEP; NMC]
- PORTULACA (Matthews & Levins, 1985; Matthews, et al., 1992a, 1992b, 1993, 2003)
- P. HALIMOIDES L. Silk-cotton Purslane
[*Portulaca parvula* Gray]
[UTEP]
- P. OLERACEA L. Common Purslane; Little Hogweed
[*Portulaca retusa* Engelm.]
[Metcalfe, 1903] [UTEP]
- P. PILOSA L. Kiss-me-quick
[*Portulaca mundula* I. M. Johnst.]
[Muldavin et al., 1994] [UTEP]
- P. SUFFRUTESCENS Engelm. Shrubby Purslane
[Wooton & Standley, 1915] [UTEP; NMC]
- P. UMBRATICOLA H.B.K. ssp. LANCEOLATA Matthews & Ketron Wingpod Purslane; Chinese Hats
[*Portulaca lanceolata* Engelm.]
[Metcalfe, 1903] [UTEP, Bishop Cap]
- TALINOOPSIS (Wilson, 193; Kiger, 2003)
- T. FRUTESCENS Gray Arroyo Flameflower
[Metcalfe, 1903] [UTEP, Bishop Cap and the Peña Blanca area; NMC]

PRIMULACEAE

Primrose Family

- ANDROSACE (Robbins, 1944)
- A. OCCIDENTALIS Pursh Western Rock-jasmine

[*Androsace arizonica* (Gray) Derganc; *A. occidentalis* Pursh var. *arizonica* (Gray) St. John; *A. occidentalis* var. *simplex* (Rydb.) St. John]
[Wooton & Standley, 1907, 1915] [NMC]

A. SEPTENTRIONALIS L. var. SUBULIFERA GRAY Northern Rock-jasmine
[*Androsace diffusa* Small; *A. pinetorum* Greene; *A. subulifera* (Gray) Greene]
[Metcalf, 1903]

Note: We have not been able to locate a voucher.

RAFFLESIACEAE

Rafflesia Family

PILOSTYLES (Rowell & Blassingame, 1967)

P. THURBERI Gray

Thurber's Stem-sucker; Stem-sucker

[UTEP]

NOTE: This parasite on *Dalea formosa* has been collected in the Bishop Cap Hills.

RANUNCULACEAE

Crowfoot Family; Buttercup Family

ANEMONE (Enquist & Crozier, 1995)

A. TUBEROSA Rydb. var. TUBEROSA

Desert Thimbleweed; Tuber Anemone

[Enquist & Crozier, 1995] [UTEP; NMC]

AQUILEGIA (Munz, 1946; Whittemore, 1997)

A. CHRYSANTHA Gray

Golden Columbine

[Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Payson, 1918]

[UTEP; NMC; BLIS]

CLEMATIS (Moreno & Essig, 1997)

C. DRUMMONDII T. & G.

Texas Virginsbower; Barbas de Chivato; Drummond's Virgin's-bower

[Wooton & Standley, 1915] [UTEP; NMC; BLIS]

C. LIGUSTICIFOLIA Nutt.

Western Virgin's-bower; Western White Clematis; Traveler's-joy

[*Clematis neomexicana* Woot. & Standl.]

[Wooton & Standley, 1913, 1915; Benson & Darrow, 1981, map] [NMC]

DELPHINIUM (Warnock, 1981)

D. WOOTONII Rydb.

Plains Larkspur; Wooton's Larkspur

[*Delphinium virescens* Nutt. var. *wootonii* (Rydb.) Shinnars]

[Metcalf, 1903; Wooton, 1910; Wooton & Standley, 1915; Warnock, 1981, n=8] [UTEP; NMC]

NOTE: The type locality of this species is the Organ Mts. (Standley, 1910).

MYOSURUS (Whittemore, 1997)

M. CUPULATUS S. Wats.

Arizona Mouse-tail

[NMC]

THALICTRUM (Boivin, 1944)

T. FENDLERI Engelm. ex Gray

Fendler's Meadow-rue

[*Thalictrum wrightii* Gray]

[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]

RHAMNACEAE

Buckthorn Family

CEANOTHUS (McMinn, 1942)

C. GREGGII Gray var. GREGGII

Desert Ceanothus; Desert Buckbrush

[Wooton & Standley, 1915]

CONDALIA (Johnston, 1962b)

C. WARNOCKII M. C. Johnston. var. WARNOCKII

Squawbush; Warnock's Snakewood; Crucillo

[*Condalia spathulata* of NM authors]

[Wooton & Standley, 1915; Fosberg, 1940 as *Condalis*; Johnston, 1962b, from SW of Pyramid Peak; Van Devender & Everitt, 1977, from Bishop Cap; Benson & Darrow, 1981, mapped at

Bishop Cap] [UTEP]

ZIZIPHUS (Johnston, 1963)

- Z. OBTUSIFOLIA (Torr. & Gray) Gray var. OBTUSIFOLIA Gray-leaved Abrojo; Lotebush
 [*Condalia lycioides* (Gray) Weberb.; *Zizyphs lycioides* Gray]
 [Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap;
 Benson & Darrow, 1981, map] [UTEP; BLIS]

ROSACEAE

Rose Family

- CERCOCARPUS (Martin, 1950; Denham, 1996)
 C. BREVIFLORUS Gray var. BREVIFLORUS Desert Mountain Mahogany
 [*Cercocarpus montanus* Raf. var. *paucidentatus* (Wats.) F. L. Martin]
 [Townsend, 1893; Metcalfe, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir,
 1970; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]
 NOTE: We are following the recommendation of Bob Denham who has this
 group under study in using the above combination (Denham, 1996).
- FALLUGIA (Holmgren, 1997)
 F. PARADOXA (D. Don) Endl. ex Torr. Apache-plume
 [Townsend, 1893; Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie
 & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map;
 Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- HOLODISCUS (Ley, 1943)
 H. DUMOSUS (Nutt. ex Hook.) Heller Rockspirea; Mountain-spray
 [*Sericotheca dumosa* (Nutt.) Rydb.; *Spiraea dumosa* Nutt.]
 [Metcalfe, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Soreng, 1986]
 [UTEP; NMC]
- POTENTILLA (Rydberg, 1898; Holmgren, 1997)
 P. PENNSYLVANICA L. Prairie Cinquefoil; Pennsylvania Cinquefoil
 [NMC, Organ Needle]
- PRUNUS (McVaugh, 1951)
 P. SEROTINA Ehrh. var. VIRENS (Woot. & Standl.) McVaugh Black Cherry
 [*Padus virens* Woot. & Standl.]
 [Metcalfe, 1903, as *Prunus capollin*; Wooton & Standley, 1915; McVaugh,
 1951; Soreng, 1986; Muldavin et al., 1994] [NMC; BLIS]
 NOTE: This type locality of this variety is the Organ Mts. (Wooton & Standley, 1913).
 Muldavin et al. (1994) report *Prunus virginiana* L.
- ROSA (Baker, 1904-1906; Lewis, 1965)
 R. STELLATA Wooton ssp. STELLATA Desert Rose
 [Wooton, 1898; Metcalfe, 1903; Wooton & Standley, 1915; Lewis, 1965] [NMC]
 NOTE: The type locality of this species is just east of La Cueva in the Organ Mts.
 where it is said to be abundant (Standley, 1910).
- R. WOODSII Lindl. var. WOODSII Wood's Rose
 [*Rosa fendleri* Crepin; *R. neomexicana* Cockerell; *R. standleyi* Rydb.]
 [Metcalfe, 1903] [UTEP; NMC]
- RUBUS (Bailey, 1932, 1941-1945)
 R. DELICIOSUS Torr. var. NEOMEXICANUS (Gray) Kearney New Mexico Raspberry
 [*Oreobatus rubicundus* Woot. & Standl.; *Rubus exrubicundus* L. H. Bailey;
R. neomexicanus Gray]
 [Metcalfe, 1903] [UTEP; NMC]
 NOTE: The type locality of *Oreobatus rubicundus* Wooton & Standley is the Organ Mts.
 (Wooton & Standley, 1913, 1915).
- *R. DISCOLOR Weihe & Nees Himalaya Blackberry
 [*Rubus procerus* auctores non P. J. Mueller ex Genevieve]
 [Spellenberg et al., 1986; observed at the Haynor Resort]

RUBIACEAE

Madder Family

GALIUM (Dempster, 1973)

*G. APARINE L.

Goosegrass; Stick-willy

[*Galium aparine* L. var. *aparine*; *G. aparine* var. *echinospermum* (Wallr.)

Farw.; *G. aparine* var. *vaillantii* (DC.) Koch]

[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]

G. FENDLERI Gray

Fendler's Bedstraw

[WSMR]

G. MICROPHYLLUM Gray

Bract-leaf Bedstraw

[*Relbunium microphyllum* (Gray) Hemsl.]

[Gray, 1850-1852; Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Muldavin

et al., 1994] [UTEP; NMC]

G. PROLIFERUM Gray

Great Basin Bedstraw; Spreading Bedstraw; Limestone Bedstraw

[*Galium virgatum* Nutt. var. *diffusum* Gray]

[UTEP, Bishop Cap; NMC]

G. WRIGHTII Gray

Wright's Bedstraw; Rothrock's Bedstraw

[*Galium frankliniense* Correll; *G. rothrockii* Gray]

[Metcalf, 1903; Wooton & Standley, 1915; Dempster, 1973; Muldavin et al., 1994]

[UTEP; NMC; BLIS]

NOTE: Dempster (1973) lumped several previously recognized taxa into *G. wrightii*;

also see Spellenberg and Mahrt (1991).

HEDYOTIS (Terrell, 1991)

H. INTRICATA Fosberg

Tangled Star-violet

[*Houstonia fasciculata* Gray]

[Wooton & Standley, 1915]

HOUSTONIA (Terrell, 1996)

H. ACEROSA (Gray) Gray ex Benth & Hook. f.

Needle-leaf Bluets

[*Hedyotis acerosa* Gray var. *bigelovii* (Greenm.) W. H. Lewis; *H. acerosa* var.

polypremoides (Gray) W. H. Lewis]

[Wooton & Standley, 1915, Bishop Cap; Terrell, 1996] [UTEP; NMC]

RUTACEAE

Citrus Family: Rue Family

CHOISYA (Mueller, 1940)

C. DUMOSA (Torr.) Gray

Mexican-orange

[Mueller, 1940] [US; NY]

PTELEA (Bailey, 1962)

P. TRIFOLIATA L.

Skunkbush; Hoptree

ssp. *ANGUSTIFOLIA* (Benth.) Bailey

[*Ptelea angustifolia* Benth.]

[Fosberg, 1940; Bailey, 1962] [NMC]

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

[Bailey, 1962] [NMC]

ssp. *POLYDENIA* (Greene) V. L. Bailey

[*Ptelea formosa* Greene; *P. tomentosa* Raf.; *P. polydenia* Greene; *P. villosula* Greene]

[Metcalf, 1903, as *Ptelea mollis* Curtis; Greene, 1906; Wooton & Standley, 1915; Dick-Peddie

& Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Soreng, 1986; Muldavin et al., 1994]

[UTEP]

NOTE: The type locality of *P. villosula* Greene is the Organ Mts. (Standley, 1910).

THAMNOSMA (Muller, 1941)

T. TEXANA (Gray) Torr.

Texas Rue; Ruda del Monte; Rue of the Mountains

[*Rutosma purpureum* Woot. & Standl.]

[Wooton & Standley, 1915] [UTEP; NMC]

NOTE: The type locality of *Rutosma purpureum* Woot. & Standl. is Bishop Cap

(Wooton & Standley, 1913).

SALICACEAE

Willow Family

POPULUS (Eckenwalder, 1977)

P. ANGUSTIFOLIA James

[Metcalf, 1903; Wooton & Standley, 1915] [NMC]

P. DELTOIDES Marsh ssp. WISLIZENII (S. Wats.) Eckenwalder

Rio Grande Cottonwood

[*Populus wislizenii* (S. Wats.) Sarg.; *P. fremontii* S. Wats. var. *wislizenii*]

[Townsend, 1893] [UTEP]

P. TREMULOIDES Michx.

Quaking Aspen; Golden Aspen; Alamo Temblon

[*Populus aurea* Tidestr.]

[Seager, 1981, stands in a tributary of North Canyon and on the northwest side of

Sugerloaf Peak]

SALIX (Johnston, 1981; Dorn, 1977, 1994, 1995, 1998, 2000; Argus, 1995]

S. ERIOCEPHALA Michx.

Missouri Willow

[*Salix ligulifolia* (Ball) Ball ex Schneid.; *S. lutea* Nutt. var. *ligulifolia* Ball]

[NMC]

S. EXIGUA Nutt. ssp. EXIGUA

Coyote Willow, Narrowleaf Willow

[*Salix argophylla* Nutt.; *S. longifolia* Muhl. var. *exigua* (Nutt.) Bebb; *S. stenophylla* Rydb.

[Metcalf, 1903, as *Salix interior* Rowlee]]

[UTEP]

S. GOODDINGII Ball

Goodding's Willow

[UTEP; BLIS]

S. IRRORATA Anderss.

Deweystem Willow; Blue-stem Willow

[Muldavin et al., 1994] [UNM; UTEP]

S. LASIOLEPIS Benth.

Arroyo Willow

[Wooton & Standley, 1915, as *Salix irrorata* Anderss.; Dorn, 2000] [UTEP; NMC]

SANTALACEAE

Sandlewood Family

COMANDRA (Piehl, 1965)

C. UMBELLATA (L.) Nutt. ssp. PALLIDA (A. DC.) Piehl.

Bastard Toadflax

[*Comandra pallida* A. DC.]

[Metcalf, 1903] [UTEP; NMC]

SAPINDACEAE

Soapberry Family

ACER (Keller, 1942; Gehlbach & Gardner, 1983)

A. GRANDIDENTATUM Nutt. var. SINUOSUM (Rehd.) Little

Bigtooth Maple; Canyon Maple

[*Acer brachypterum* Woot. & Standl.; *A. grandidentatum* Nutt. var. *brachypterum*

(Woot. & Standl.) Palmer; *A. saccharum* Marsh ssp. *brachypterum* (Woot. & Standl.)

E. Murr.; *A. saccharum* Marsh var. *sinuosum* (Rehd.) Sarg.]

[Metcalf, 1903; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970, as *Acer glabrum*;

Soreng, 1986, as *A. glabrum*; Muldavin et al., 1994] [UTEP; NMC]

A. NEGUNDO L.

Boxelder; Ashleaved Maple; Fresno de Guajuco

[*Acer interior* Britt.; *Negundo interius* (Britt.) Rydb.; *Rulac interior* (Britt.) Nieuwl.]

[Wooton & Standley, 1915; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC]

SAPINDUS (Radlkofer, 1878)

S. DRUMMONDII (ook. & Arn.

Western Soapberry; Cherioni; Soapberry

[*Sapindus saponaria* L. var. *drummondii* (Hook. & Arn.) L. Benson]

[Metcalf, 1903, as *Sapindus marginatus* Wild.; Wooton & Standley, 1915;

Benson & Darrow, 1981, map] [UTEP; NMC; BLIS]

UNGNADIA

U. SPECIOSA Endl.

Mexican-buckeye

[Gray, 1850-52; Torrey, 1859; Townsend, 1893; Wooton & Standley, 1915; Fosberg, 1940;

Dick-Peddie & Moir, 1970; Soreng, 1986] [UTEP; NMC; BLIS]

SAXIFRAGACEAE (also see PHILADELPHACEAE)**Saxifrage Family**

HEUCHERA (Rosendahl, et al., 1936; Holmgren & Holmgren, 1997)

H. PARVIFOLIA Nutt. ex Torr. & Gray

Little-leaf Alumroot

[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; BLIS]

H. RUBESCENS Torr.

Alum Root; Pink Alumroot

[*Heuchera versicolor* Greene var. *leptomeria* (Greene) Kearney & Peebles; *H. leptomeria* Greene]

[Torrey, 1859; Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994]

[UTEP; NMC]

NOTE: The type locality for *H. leptomeria* Greene is the Organ Mts. (Standley, 1910).

SAXIFRAGA (Small & Rydberg, 1905; Calder & Saville, 1959; Holmgren & Holmgren, 1997)

S. ERIOPHORA S. Wats.

Red-fuzz Saxifrage

[*Micranthes eriophora* (S. Wats.) Small]

[Wooton & Standley, 1915] [UTEP; NMC]

SCROPHULARIACEAE (see OROBANCHACEAE and PLANTAGINACEAE)**Figwort Family**

SCROPHULARIA (Shaw, 1962)

S. LAEVIS Woot. & Standl.

Organ Mountain Figwort

[Wooton and Standley, 1913; 1915; Fletcher et al., 1984; Todsen, 1978;

Reid, 1985; Soreng, 1986; DeBruin, Mehlhop and Muldavin, 1994; Muldavin

et al., 1994; DeBruin, 1996, habitats and population estimate] [UTEP; NMC; BLIS]

NOTE: Todsen (1978) states that the species occurs on quartz monzonite substrate at 2250-2600 M. The species is endemic to the Organ Mts.

VERBASCUM

*V. THAPSUS L.

Moth Mullein; Common Mullein

[Muldavin et al., 1994]

NOTE: This species can be seen along the highway in San Augustin Pass.

SOLANACEAE**Potato Family; Nightshade Family**

CHAMAESARACHA (Averett, 1973)

C. CORONOPUS (Dunal) Gray

Green-leaf Five-eyes; Smooth Chamaesaracha

[*Solanum coronopus* Dunal]

[Metcalf, 1903; Averett, 1973] [UTEP]

C. SORDIDA (Dunal) Gray

Hairy Five-eyes

[Wooton & Standley, 1915; Powell & Averett, 1967, chromosome count of n=12;

Averett, 1973; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC]

DATURA (Stafford, 1921; Fosberg, 1959)

*D. QUERCIFOLIA Kunth

Oak-leaf Thorn-apple; Chinese Thorn-apple

[UTEP, tank on west side of Bishop cap]

D. WRIGHTII Regel

Sacred Datura; Indian Apple; Sacred Thorn-apple

[*Datura metaloides* of authors]

[Wooton & Standley, 1915; Dick-Peddie & Moir, 1970; Muldavin et al., 1994]

[UTEP; NMC; NMCR]

NOTE: According to Née (in Hickman, 1993) this species may be conspecific with *Datura inoxia* Miller. Muldavin et al. (1994) report finding *D. ferox* in Pete Johnson Canyon. We have not been able to locate a voucher.

LYCIUM (Hitchcock, 1932; Chiang-Cabrera, 1981)

L. BERLANDIERI Dunal var. BERLANDIERI

Berlandier Wolfberry; Silver Wolfberry

[Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map]

[UTEP; BLIS]

L. PALLIDUM Miers

Pale Wolfberry; Pale Desert-thorn

- [Metcalf, 1903; Wooton & Standley, 1915; Hitchcock, 1932; Benson & Darrow, 1981, map; Ward, 1983b, chromosome count of $n=12$ from a population in the Organ Mts.] [UTEP; NMC; BLIS]
- L. TORREYI Gray Torrey's Wolfberry; Squaw-thorn; Squaw Desert-thorn
[Wooton & Standley, 1915; Hitchcock, 1932] [US]
- NICOTIANA (Goodspeed, 1954)
- N. OBTUSIFOLIA Mertens & Galeotti var. OBTUSIFOLIA Desert Tobacco; Tobaquillo
[*Nicotiana trigonophylla* Dunal]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC; BLIS]
- PHYSALIS (Waterfall, 1958)
- P. ACUTIFOLIA (Miers) Sandw. Sharpleaf Ground-cherry; Pointed Ground-cherry
[UTEP]
- P. FOETENS Poiret var. NEOMEXICANA (Rydb.) Waterfall ex Kartesz New Mexico Groun-cherry & Gandhi
[*Physalis neomexicana* Rydb.]
[Metcalf, 1903; Wooton & Standley, 1915] [NMC]
- P. HEDERAEFOLIA Gray Heartleaf Ground-cherry; Ivy-leaf Ground-cherry
var. HEDERAEFOLIA
[Metcalf, 1903; Wooton & Standley, 1915; Waterfall, 1958, record of the above var. from Doña Ana Co.; Ward, 1983b, chromosome count of $n=12$ from a population E of Las Cruces; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- P. LONGIFOLIA Nutt. var. SUBGLABRATA (Mack. & Bush) Cronq. Long-leaf Ground-cherry
[*Physalis virginiana* Mill. var. *subglabrata* (Mack. & Bush) Waterfall; *Physalis macrophysa* Rydb.]
[Wooton & Standley, 1915]
- P. SOLANACEUS (Schlecht.) Axelius Netted Globe-cherry
[*Margaranthus solanaceus* Schlecht.]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994; Axelius, 1995, systematics] [UTEP; NMC]
- SALPICHROA
- *S. ORIGANIFOLIA (Lam.) Baill.
[WSMR, escaped from cultivation in the community of White Sands]
- SOLANUM (Schilling, 1981; Lemke, 1991; Spooner et al., 2004)
- S. DOUGLASII Dunal Arizona Nightshade
[Metcalf, 1903, as *Solanum nigrum* L.; Dick-Peddie & Moir, 1970, as *S. douglasii*; Spellenberg et al., 1986; Muldavin et al., 1994, as *S. nigrum*] [UTEP]
NOTE: Wooton & Standley (1915) record *Solanum interius* Rydb. from the Organ Mts. which Martin and Hutchins (1980) record as a synonym of *Solanum nigrum* L. It is more likely that only one species is represented in the Organ Mts. flora. Using the key in the study by Lemke (1991), the UTEP specimens key to *Solanum douglasii* Dun.
- S. ELAEAGNIFOLIUM Cav. Purple Nightshade; Silverleaf Nightshade; Trompillo
[Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994] [UTEP; BLIS]
- S. JAMESII Torr. Wild Potato
[Spooner et al., 2004] [US; PTIS]
- S. STOLONIFERUM Schlechtendal Wild Potato; Fendler's Nightshade
[*Solanum fendleri* Gray ex Torr.]
[Wooton & Standley, 1915; Spooner et al., 2004] [UTEP; NMC; UNM; US]
- S. TRIFLORUM Nutt. Cut-leaf Nightshade
[NMC]

STERCULIACEAE

Cacao Family

AYENIA (Cristobal, 1960)

A. FILIFORMIS S. Wats.

[BLIS]

Trans-Pecos Ayenia; Dwarf Ayenia

A. MICROPHYLLA Gray

Little-leaf Ayenia

[Van Devender & Everitt, 1977, Bishop Cap] [UTEP]

TAMARICACEAE

Tamarisk Family

TAMARIX (Baum, 1967; Allred, 2002)

*T. CHINENSIS Loureiro

Saltcedar

[*Tamarix gallica* L.; *T. pentandra* Pall.; *T. ramosissima* Ledeb.]

[UTEP]

ULMACEAE

Elm Family

ULMUS (Sherman-Broyles, Barker & Schulz, 1997)

*U. PUMILA L.

Chinese Elm; Siberian Elm; Dwarf Elm

[UTEP]

URTICACEAE

Nettle Family

PARIETARIA (Boufford, 1992)

P. PENNSYLVANICA Muhlenb. ex Willd.

Pennsylvania Pellitory

[*Parietaria obtusa* Rydb. ex Small; *P. pennsylvanica* var. *obtusa* (Rydb. ex Small) Shinnars]

[Metcalfe, 1903; Wooton & Standley, 1915] [UTEP; NMC; BLIS]

NOTE: Martin and Hutchins (1980, 1981) record *Parietaria floridana* Nutt. from

Doña Ana County.

URTICA (Woodland, et al., 1976; Woodland, 1982)

U. GRACILENTA Greene

Mountain Nettle

[Wooton & Standley, 1915; Woodland, et al., 1976, mapped in the Organ Mts.

area; Muldavin et al., 1994] [UTEP]

NOTE: Woodland (1982) mapped a record of the perennial species, *Urtica dioica*

L. ssp. *gracilis* (Ait.) Selander, in the area. We have not been able

to confirm this with a specimen.

VALERIANACEAE (see CAPRIFOLIACEAE)

Valerian Family

VERBENACEAE

Vervain Family

ALOYSIA

A. WRIGHTII (Gray) Heller ex Abrams

Wright's Aloysia; Oreganillo

[*Lippia wrightii* Gray]

[Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940; Dick-Peddie & Moir, 1970;

Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map; Muldavin

et al., 1994] [UTEP; NMC; BLIS]

GLANDULARIA (Umber, 1979; Turner, 1998)

G. BIPINNATIFIDA (Nutt.) Nutt.

Sweetwilliam; Western Pink Vervain; Dakota Vervain

[*Verbena bipinnatifida* Nutt.; *V. ciliata* Benth. vars.]

[Wooton & Standley, 1915, as *Verbena wrightii* Gray; Muldavin et al., 1994]

[UTEP; NMC; BLIS]

NOTE: Umber (1979) indicates that *G. bipinnatifida* is the species in the Organ Mts.

proper and not the closely related *G. wrightii*. Varieties *bipinnatifida* and

brevispicata occur in the area. Turner (1998) presents a different interpretation.

He treats this taxon as var. *ciliata* (Benth.) Turner and includes *G. wrightii* as a

synonym. We do not know which interpretation will prevail.

- G. WRIGHTII (Gray) Umber Davis Mountain Mock Vervain; Desert Verbena
 [*Verbena wrightii* Gray]
 [Metcalf, 1903] [UTEP, Bishop Cap; BLIS]
- PHYLIA
- *P. NODIFLORA (L.) Greene Turkey-tangle
 [*Lippia incisa* (Dunal) Tidestrom; *Lippia nodiflora* (L.) Michaux]
 [WSMR, near the community of White Sands]
- TETRACLEA
- T. COULTERI Gray Coulter's Wrinkle-fruit; Stinkweed
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP]
- VERBENA (Perry, 1933; Baber, 1982)
- V. BRACTEATA Lag. & Rodr. Prostrate Vervain; Bigbract Verbena; Carpet Vervain
 [*Verbena confinis* Greene]
 [Wooton & Standley, 1915] [UTEP; NMC]
 NOTE: The type locality of *Verbena confinis* Greene is the Organ Mts. (Standley, 1910).

VIOLACEAE

Violet Family

- HYBANTHUS (Morton, 1944)
- H. VERTICILLATUS (Ort.) Baill. Nod-violet; Green Violet; Baby-slippers
 [*Calceolaria verticillata* (Ort.) Kuntze; *Viola verticillata* Ortega]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; WSMR]

VISCACEAE

Mistletoe Family

- ARCEUTHOBIMUM (Hawksworth & Wiens, 1972; Cronquist, 1997)
- A. VAGINATUM (Willd.) J. Presl. Pineland Dwarf-mistletoe; Southwestern Dwarf-mistletoe
 ssp. CRYPTOPODUM (Engelm.) Hawksworth & Wiens
 [Hawksworth & Wiens, 1972] [NMC; FPF]
 NOTE: This species is parasitic on Ponderosa Pine.
- PHORADENDRON (Trelease, 1916; Wiens, 1964; Cronquist, 1997; Kuijt, 2003)
- P. CAPITELLATUM Torr. ex Trel. Rough Mistletoe; Downy Mistletoe
 [*Phoradendron bolleanum* (Seem.) Eichler var. *capitellatum* (Torr. ex Trel.)
 Kearney & Peebles]
 [Fosberg, 1940; Wiens, 1964; Kuijt, 2003] [UTEP; parasitic on juniper]
- P. CORYAE Trel. Oak Mistletoe; Cory's Mistletoe
 [*Phoradendron villosum* (Nutt.) Nutt. ssp. *coryae* (Trel.) Wiens; *P. serotinum*
 (Raf.) M. C. Johnston ssp. *tomentosum* (DC.) Kuijt]
 [Wooton & Standley, 1915; as *P. orbiculatum* Engelm., an oak mistletoe; Fosberg, 1940, as
P. orbiculatum; Wiens, 1964; Kuijt, 2003] [UTEP; NMC; BLIS; NY; US; MO]
- P. JUNIPERINUM Engelman ex Gray ssp. JUNIPERINUM Juniper Mistletoe
 [Kuijt, 2004] [MO; WIS]

VITACEAE

Grape Family

- PARTHENOCISSUS (Rehder, 1905; Cronquist, Holmgren & Holmgren, 1997)
- P. VITACEA (Knerr) A. S. Hitchc. Woodbine; Thicket Creeper
 [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
- VITIS (Bailey, 1934)
- V. ARIZONICA Engelm. Canyon Grape
 [*Vitis treleasei* Munson ex Bailey; *V. arizonica* var. *glabra* Munson]
 [Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]

ZYGOPHYLLACEAE

Caltrop Family

KALLSTROEMIA (Porter, 1969)

K. CALIFORNICA (S. Wats.) Vail California Caltrop

[*Kallstroemia brachystylis* Vail]

[Wooton & Standley, 1915] [UTEP; NMC]

K. GRANDIFLORA Torr. ex Gray Orange Caltrop; Desert Poppy

[Wooton & Standley, 1915]

K. PARVIFLORA J. B. S. Nort. Warty Caltrop

[*Kallstroemia latevirens* Thornb.]

[Wooton & Standley, 1913; 1915; Van Devender & Everitt, 1977, Bishop Cap]

[UTEP; BLIS]

LARREA (Monticelli, 1939)

L. TRIDENTATA (Sessé & Moc. ex DC.) Coville var. TRIDENTATA Creosote-bush; Gobernadora

[*Covillea glutinosa* (Engelm.) Rydb.; *C. tridentata* (Sesse & Moc. ex DC.) Vail;

Larrea divaricata auct. non Cav.]

[Fosberg, 1940; Van Devender and Everitt, 1977, Bishop Cap; Benson & Darrow, 1981, map]

[UTEP]

TRIBULUS (Vail & Rydberg, 1910)

*T. TERRESTRIS L. Puncture-vine; Goat Head

[Wooton & Standley, 1915] [UTEP; NMC]

MAGNOLIOPHYTA (Flowering Plants)

LILIOPSIDA (Monocots)

AGAVACEAE

Agave Family

AGAVE (Gentry, 1982; Reveal & Hodgson, 2002)

A. GRACILIPES Trel. Slimfoot Century Plant

NOTE: The slimfooted agave is a hybrid between *A. parryi* ssp. *neomexicana*

and *A. lechuguilla*. It is infrequent on the south side of the Bishop Cap Hills

where both parent species occur.

A. LECHUGUILLA Torr. Lechuguilla

[Hershey, 1940; Fosberg, 1940; Van Devender & Everitt, 1977] [UTEP; NMC]

A. PARRYI Engelm. ssp. NEOMEXICANA (Woot. & Standl.) B. Ullrich New Mexico Agave

[Townsend, 1893, as *Agave parryi*; Metcalfe, 1903, as *A. applanata*; Trelease, 1911, as

A. parryi; Wooton & Standley, 1915; Dick-Peddie & Moir, 1970, as *A. parryi*; Reid and

Worthington, 1979; Benson & Darrow, 1981, map and treated as *A. parryi* var. *parryi*; Gentry,

1982; Reid, Freeman, & Becvar, 1985, nectar sugars; Soreng, 1986, as *A. parryi*; Ullrich, 1992,

proposes the new combination *A. parryi* Engelm. ssp. *neomexicana* (Woot. & Standl.)

Ullrich; Muldavin et al., 1994, as *A. neomexicana* and *A. parryi*] [UTEP; NMC]

NOTE: The type locality of this species is the Organ Mts. (Wooton & Standley, 1913)

YUCCA (Webber, 1953; Hess & Robbins, 2002)

Y. BACCATA Torr. var. BACCATA Datil Yucca; Banana Yucca; Datil

[Townsend, 1893; Metcalfe, 1903; Wooton & Standley, 1915; Fosberg, 1940;

Dick-Peddie & Moir, 1970; Benson & Darrow, 1981, map; Muldavin et al., 1994]
[UTEP; NMC; BLIS]

Y. ELATA (Engelm.) Engelm. var. ELATA Soaptree Yucca; Palmilla; Soapweed
[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Benson
& Darrow, 1981, map] [UTEP]

Y. TRECULIANA Carrière Torrey's Yucca; Spanish Dagger
[*Yucca macrocarpa* (Torr.) Engelm.; *Y. torreyi* Schafer]
[Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Benson & Darrow,
1981, map] [UTEP]

ALLIACEAE

Onion Family

ALLIUM (Ownbey, 1950; Ownbey & Aase, 1955; Sivinski, 1998; McNeil Jr. & Jacobsen, 2002)

A. CERNUUM Roth. Nodding Onion

[*Allium neomexicanum* Rydb.]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994; Sivinski, 1998]
[UTEP; NMC; BLIS]

NOTE: The type locality of *Allium neomexicanum* Rydb. is the Organ Mts. (Standley, 1910).

A. GEYERI S. Wats. var. GEYERI Geyer's Onion

[Ownbey & Aase, 1955; Sivinski, 1998] [UTEP; NMC]

A. MACROPETALUM Rydb. Largeflower Onion; Largepetal Onion; Arizona Onion

[*Allium deserticola* (M. E. Jones) Woot. & Standl.]
[Wooton & Standley, 1915; Ownbey & Aase, 1955; Ward, 1984, chromosome
count of $n=7$ from a population at Aguirre Springs; Sivinski, 1998] [UTEP; NMC]

AMARYLLIDACEAE

Amaryllis Family

ZEPHYRANTHES (Sealy, 1937; Flagg, Smith & Flory, 2002)

Z. LONGIFOLIA Hemsl. Rainlily; Zephyr-lily
[UTEP]

COMMELINACEAE

Spiderwort Family

COMMELINA (Pennell, 1916; Brashier, 1966; Faden, 2000)

C. DIANTHIFOLIA Delile Bird-bill Dayflower

[Metcalf, 1903; Pennell, 1916; Muldavin et al., 1994] [UTEP; BLIS]

C. ERECTA L. var. ANGUSTIFOLIA (Michx.) Fern. Erect Dayflower; White-mouth Dayflower

[*Commelina angustifolia* Michx.; *C. erecta* L. var. *crispa* (Woot.) Palmer & Steverm.]
[Wooton, 1898; Metcalf, 1903; Wooton & Standley, 1915; Pennell, 1916; Brashier, 1966;
Muldavin et al., 1994]
[UTEP; NMC; BLIS]

NOTE: The type locality of *C. crispa* Wooton is the Organ Mts. (Wooton, 1898; Standley, 1910).

TRADESCANTIA (Anderson & Woodson, 1935; Faden, 2000)

T. OCCIDENTALIS (Britt.) Smyth var. SCOPULORUM Rocky Mountain Spiderwort

(Rose) Anderson & Woodson

[*Tradescantia scopulorum* Rose]

[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC]

CONVALLARIACEAE

Solomon's-seal Family

MAIANthemum (Galway, 1945; LaFrankie, 1986a, 1986b, 2002)

M. RACEMOSUM (L.) Link Feather Solomonplume; False Solomon's-seal

ssp. AMPLEXICAULE (Nutt.) LaFrankie

[*Smilacina racemosa* (L.) Desf. var. *amplexicaulis* (Nutt.) S. Wats.; *Vagnera*
amplexicaulis (Nutt.) Greene]

- [Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC]
M. STELLATUM (L.) Link Starflower; Starry False Solomon's-seal
[*Smilacina stellata* (L.) Desf.; *Vagnera stellata* (L.) Morong]
[BLIS; UNM]

CYPERACEAE

Sedge Family

- BULBOSTYLIS (Kral, 197, 2002)
B. CAPILLARIS (L.) Kunth ex C. B. Clarke Tufted Hairsedge
[*Scirpus capillaries* L.; *Stenophyllus capillaris* (L.) Britt.]
[Metcalf, 1903; Wooton & Standley, 1915] [NMC; UTEP; BLIS]
CAREX (Mackenzie, 1935; Hermann, 1970; Reznicek & Ball, 1980; Ball & Reznicek, 2002)
C. ATHROSTACHYA Olney Slender-beak Sedge
[UTEP]
C. CHALCIOLEPIS T. Holm Two-nerve Sedge
[*Carex heteroneura* W. Boott var. *chalciolepis* (T. Holm) F. J. Hermann]
[NMC]
C. MICROPTERA Mack. Small-wing Sedge
[*Carex festivella* Mack.]
[UTEP; BRCH]
C. OCCIDENTALIS Bailey New Mexico Sedge; Western Sedge
[*Carex neomexicana* Mack.]
[Wooton & Standley, 1915] [UTEP]
C. PRAEGRACILIS W. Boott Field Sedge
[*Carex camporum* Mack.]
C. VALLICOLA Dewey Rusby's Sedge
[*Carex rusbyi* Mack.; *C. vallicola* Dewey var. *rusbyi* (Mack.) F. J. Herm.]
[Wooton & Standley, 1915] [NMC]
C. WOOTONII Mack. Wooton's Sedge
[UTEP]
CYPERUS (McGivney, 1938; Ayers, 1946; Tucker, Marcks & Carter, 2002.)
C. ESCULENTUS L. var. LEPTOSTACHYUS Boeckeler Yellow Nut-sedge; Chuffa Flat-sedge
[UTEP; BLIS; WSMR, on the post at WSMR]
C. FENDLERIANUS Boeckl. Tuberroot Flatsedge; Fendler's Flat-sedge
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [NMC; UNM]
C. ODORATUS L. Fragrant Flat-sedge; Rusty Flat-sedge
[NMC]
C. PARISHII Britt. Parish's Flat-sedge
[*Cyperus sphacelatus* Britt.]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UNM]
C. PSEUDOTHYRSIFLORUS (Kükenenthal) J. Rich. One-flowered Flat-sedge
[*Cyperus uniflorus* Torr. & Hook. var. *pseudothyrsiflorus* Kükenenth.]
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; TAES]
NOTE: The UTEP collection (Worthington 21452) was annotated by S. D. Jones
as this species.
C. SCHWEINITZII Torr. Sand Flat-sedge
[Metcalf, 1903; Muldavin et al., 1994] [UNM]
C. SPHAEROLEPIS Boeckeler Rusby's Flat-sedge
[*Cyperus fendlerianus* Boeck. Var. *debilis* (Britt.) Kükenenthal]
[UTEP; BLIS; TAES]
C. SQUARROSUS L. Awned Flat-sedge
[*Cyperus aristatus* Rottb.; *C. inflexus* Muhl.]
[Metcalf, 1903; Wooton & Standley, 1915; Fosberg, 1940] [UTEP; BLIS]
ELEOCHARIS (Svenson, 1929-1939, 1957; Smith et al., 2002)
E. GENICULATA (L.) Roemer & A. Schultes Capitata Spike-rush
[*Eleocharis caribaea* (Rorrb.) Blake; *Scirpus geniculatus* L.]

[UTEP]
 SCHOENOPLECTUS (Smith, 1995)
 S. AMERICANUS (Pers.) Volkart *ex* Schinz & R. Keller American Bulrush; Chairmaker's Bullrush
 [*Scirpus americanus* Pers.]
 [WSMR, from the main post on WSMR]

GRAMINAE (see POACEAE)

JUNCACEAE

Rush Family

JUNCUS (Buchenau, 1906; Cronquist et al., 1977; Brooks & Clemants, 2000)
 J. DUDLEYI Wiegand Dudley's Rush
 [UTEP]
 J. ENSIFOLIUS Wikström var. MONTANUS (Engelm.) Hitchc. Rocky Mountain Rush
 [*Juncus brunnescens* Rydb.; *J. parous* Rydb.; *J. saximontanus* A. Nelson]
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BLIS]
 J. INTERIOR Wiegand Inland Rush
 [UTEP]
 J. TENUIS Willd. Poverty Rush; Slender Rush
 [Wooton & Standley, 1915] [NMC]
 J. TORREYI Coville Torrey's Rush
 [*Juncus nodosus* L. var. *megacephalus* Torr.]
 [UTEP]

NOLINACEAE

Beargrass Family

DASYLIRION (Trelease, 1911; Bogler, 2002)
 D. WHEELERI S. Wats. Wheeler Sotol; Common Sotol; Desert Spoon
 [Townsend, 1893; Metcalfe, 1903; Trelease, 1911; Wooton & Standley, 1915; Fosberg,
 1940; Dick-Peddie & Moir, 1970; Van Devender & Everitt, 1977, Bishop Cap; Benson
 & Darrow, 1981, map; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC]
 NOLINA (Trelease, 1911; Hess, 2002)
 N. MICROCARPA Wats. Beargrass; Foothill Nolina
 [Metcalfe, 1903]
 Note: This record is old and we have seen no specimen for verification.

ORCHIDACEAE

Orchid Family

CORALLORHIZA (Luer, 1975; Magrath and Freudenstein, 2002)
 C. sp. Coralroot
 [Muldavin et al., 1994]
 NOTE: Muldavin et al. (1994) observed *Corallorhiza* in the Organ Mts., but they did not
 voucher it.
 HEXALECTRIS (Luer, 1975; Goldman, D. H. *et al.*, 2002)
 H. SPICATA (Walt.) Barnh. Crested Coralroot
 [*Arethusa spicata* Walter; *Corallorhiza spicata* (Walter) Tidestrom]
 [DeBruin, Mehlhop and Muldavin, 1994] [BLIS]
 Note: Varietal status has not been determined.

POACEAE (GRAMINAE)

Grass Family

ACHNATHERUM (Barkworth, 1993, 2007)
 A. CURVIFOLIUM (Swallen) Barkworth Guadalupe Needlegrass
 [*Stipa curvifolia* Swallen]
 [Hatch and Bearden, 1983; a record for 3.5 km E of Bishop Cap]
 A. EMINENS (Cav.) Barkworth Southwestern Needlegrass; Tall Needlegrass; Zacate

- [*Stipa eminens* Cav.; *S. flexuosa* Vasey] Flechilla; Flechilla Grande
 [Metcalf, 1903; Wooton & Standley, 1915; Hitchcock, 1925; Muldavin et al., 1994]
 [UTEP; NMC]
- A. PERPLEXUM Hoge & Barkworth New Mexico Needlegrass
 [*Stipa perplexa* (Hoge & Barkworth) Wipff & S. D. Jones]
 [Muldavin et al., 1994, as *Stipa lobata* Swallen] [NMCR; UNM]
- AGROSTIS (Hitchcock, 1905; Carlbom, 1967; Harvey, 2007)
- A. EXARATA Trin. var. MINOR Hook. Spike Bentgrass
 [Wooton & Standley, 1915]
- A. SCABRA Willd. Rough Bentgrass
 [BRCH]
 Note: The BRCH specimen identified as *Agrostis hyemalis* (Walt.) Britt., Sterns & Poggenb. has not been reviewed.
- ARISTIDA (Allred, 1984, 2003; Trent & Allred, 1990)
- A. ADSCENSIONIS L. Six-weeks Threeawn; Tres Barbas Anual; Tres Aristas de Agua
 [Wooton & Standley, 1915; Hitchcock, 1924; Van Devender & Everitt, 1977,
 Bishop Cap; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
- A. DIVARICATA Humb. & Bonpl. ex Willd. Poverty Threeawn; Tres Aristas Abierto
 [Wooton & Standley, 1915; Muldavin et al., 1994]
- A. HAVARDII Vasey Havard's Threeawn; Tres Aristas Barbado
 [*Aristida barbata* Fourn.]
 [UTEP, Bishop Cap; NMC]
- A. PURPUREA Nutt. Purple Threeawn
 var. FENDLERIANA (Steud.) Vasey Fendler's Threeawn
 [*Aristida fendleriana* Steud.]
 [Hitchcock, 1924; Soreng, 1986] [NMC, mesa W of Organ Mts.]
 var. LONGISETA (Steud.) Vasey Red Threeawn; Dogtown grass
 [*Aristida longiseta* Steud.]
 [UTEP; WSMR]
 var. NEALLEYI (Vasey) Allred Nealley's Threeawn; Blue Threeawn
 [*Aristida glauca* (Nees) Walp.; *Aristida vaseyi* Woot. & Standl.]
 [Hitchcock, 1924; Fosberg, 1940] [NMC; NMCR, US; BLIS; WSMR]
 NOTE: The type locality of *Aristida vaseyi* Woot. & Standl. is the Organ Mts.
 [Wooton & Standley, 1913, 1915]
 var. PERPLEXA Allred & Valdes-R. Jornada Threeawn
 [ARIZ; US]
 NOTE: An early Wooton collection from Tortugas Mtn. places the variety in the area
 [Allred & Valdes-R, 1995]
 var. PURPUREA Purple Threeawn
 [NMC]
 var. WRIGHTII (Nash) Allred Wright's Threeawn
 [*Aristida wrightii* Nash]
 [Wooton & Standley, 1915; Hitchcock, 1924]
- A. SCHIEDEANA Trin. & Rupr. var. ORCUTTIANA (Vasey) Allred & Valdés-R. Single Threeawn
 [Hitchcock, 1924; Fosberg, 1940] [NMC; BLIS]
- A. TERNIPES Cav. var. TERNIPES Spidergrass; Tres Aristas Arqueado
 [Wooton & Standley, 1915; Hitchcock, 1924; Muldavin et al., 1994, not to variety]
 [UTEP; NMC; WSMR; NY; ISC]
 var. GENTILIS (Henrard) Allred Hook's Threeawn; Spidergrass
 [*Aristida ternipes* Cav. var. *hamulosa* (Henrard) Trent]
 [UTEP; NMC; NMCR; WSMR; ARIZ; NY; US]
- BLEPHARONEURON (Peterson & Annable, 1990, 2003)
- B. TRICHOLEPIS (Torr.) Nash Pine Dropseed; Hairy Dropseed
 [*Vilfa tricholepis* Torr.; *Sporobolus tricholepis* (Torr.) J. M. Coulter]
 [Peterson & Annable, 1990] [NMC]
- BOTHRIOCHLOA (Gould, 1953; Allred & Gould, 1983; Allred, 2003)

- B. BARBINODIS (Lag.) Herter Cane Bluestem; Beardgrass; Popotillo Algonodoso;
 [Andropogon barbinodis Lag.] Popotillo Colla de Coyote
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977; Muldavin et al., 1994]
 [UTEP; NMC; BLIS]
- *B. ISCHAEMUM (L.) Keng Yellow Bluestem
 [Hatch, 1980] [TAES]
- B. LAGUROIDES (DC.) Herter ssp. TORREYANA (Steud.) Allred & Gould Silver Bluestem
 [B. saccharoides (Swartz) Rydb.]
 [Fosberg, 1940] [NMC, mesa W of Organ Mts.]
- B. SPRINGFIELDII (Gould) Parodi Springfield's Bluestem; Popotillo
 [Andropogon springfieldii Gould]
 [Muldavin et al., 1994] [UTEP, Bishop Cap]
- BOUTELOUA (Griffiths, 1912; Gould, 1979; Wipff, 2003)
- B. ARISTIDOIDES (Kunth) Grisb. Sixweeks Needle Grama; Needle Grass; Navajita Aguja
 var. ARISTIDOIDES
 [Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap; Muldavin
 et al., 1994] [UTEP; NMC; NMCR; BLIS]
- B. BARBATA Lag. var. BARBATA Sixweeks Grama; Navajita Barba Anual
 [Griffiths, 1912; Wooton & Standley, 1915; Van Devender & Everitt, 1977,
 Bishop Cap] [UTEP; NMC; BLIS]
- B. CURTIPENDULA (Michx.) Torr. Sideoats Grama; Navajita Banderilla
 var. CURTIPENDULA
 [UTEP; BRCH]
 var. CAESPITOSA Gould & Kapadia
 [Metcalf, 1903; Griffiths, 1912; Fosberg, 1940; Gould & Kapadia, 1964; Van Devender
 & Everitt, 1977, Bishop Cap; Soreng, 1986; Muldavin et al., 1994]
 [UTEP; NMC; NMCR; BLIS]
- B. ERIOPODA (Torr.) Torr. Black Grama; Navajita Negra
 [Chondrosom eriopodum Torr.]
 [Griffiths, 1912; Fosberg, 1940; Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- B. GRACILIS (Willd. ex Kunth) Lag. ex Griffiths Blue Grama; Navajita Azul
 [Bouteloua oligostachya Torr.; Chondrosom gracile Kunth]
 [Metcalf, 1903; Griffiths, 1912; Soreng, 1986; Muldavin et al., 1994]
 [UTEP; NMC; NMCR; BLIS]
- B. HIRSUTA Lag. ssp. HIRSUTA Hairy Grama; Navajita Velluda
 [Metcalf, 1903; Griffiths, 1912; Wooton & Standley, 1915; Fosberg, 1940;
 Wipff & Jones, 1996, subspecies; Muldavin et al., 1994]
 [UTEP; NMC; NMCR; BLIS]
- B. PARRYI (Fourn.) Griffiths Parry's Grama; Navajita Anual
 [Chondrosom parryi Fourn.]
 [Wooton & Standley, 1915]
- B. WARNOCKII Gould & Kapadia Warnock's Grama
 [UTEP; WSMR]
- BROMUS (Sodestrom & Beaman, 1968; Allred, 1993; Pavlick, 1995; Pavlick & Anderton, 2007)
- B. ANOMALUS Rupr. ex Fourn. Nodding Brome; Bromo Dormilón
 [Wooton & Standley, 1915; Allred, 1993] [NMC; BLIS]
- B. CARINATUS Hook. & Arn. Mountain Brome; Bromo de California
 [Bromus marginatus Nees ex Steud.; B. polyanthus Scribn.; Ceratochloa carinata
 (Hook. & Arn.) Tutin]
 [Wooton & Standley, 1915] [NMC; WSMR]
- *B. CATHARTICUS Vahl var. CATHARTICUS Rescuegrass; Bromo Cebadilla
 [Bromus uniloides Kunth in H.B.K.; B. willdenowii Kunth]
 [UTEP]
- B. CILIATUS L. Fringed Brome; Bromo Hirsuto
 [Bromus richardsonii Link; B. canadensis Michx.]
 [Wooton & Standley, 1915; Allred, 1993; Muldavin et al., 1994] [NMC]

- B. FRONDOSUS (Shear) Woot. & Standl. Weeping Brome; Bromo Frondoso
 [*Bromopsis frondosa* (Shear) Holub]
 [Wooton & Standley, 1915; Allred, 1993] [NMCR; NMC; UNM]
- B. LANATIPES (Shear) Rydb. Shaggy Brome; Bromo Velludo; Woolly Brome
 [*Bromus porteri* Nash var. *lanatipes* Shear; *B. mucroglumis* Wagnon;
B. anomalus Rupr. ex Fourn. var. *lanatipes* (Shear) A. S. Hitchc.]
 [Wagnon, 1950, a collection of *B. mucroglumis* from Doña Ana Co.; Allred, 1993;
 Muldavin et al., 1994] [NMCR]
- *B. RUBENS L. Foxtail Brome; Red Brome
 [*Festuca rubens* (L.) Pers.; *Bromus madritensis* L. var. *rubens* (L.) Husnot]
 [UTEP; NMCR; BLIS; WSMR]
- *B. TECTORUM L. Cheatgrass; Downy Brome
 [UTEP]
- CENCHRUS (DeLisle, 1963; Stieber & Wipff, 2003)
- C. SPINIFEX Cav. Coastal Sandbur; Sandbur
 [*Cenchrus incertus* M. Curtis]
 [NMCR]
- CHLORIS (Anderson, 1974; Barkworth, 2003)
- C. VERTICILLATA Nutt. Tumble Windmillgrass
 [NMCR]
- *C. VIRGATA Sw. Showy Chloris; Zacate Mota; Showy Windmillgrass; Feather Fingergrass
 [*Chloris elegans* Kunth]
 [UTEP; NMCR]
- CYNODON (DeWet and Harlan, 1970; Barkworth, 2003)
- *C. DACTYLON (L.) Pers. Bermudagrass; Stargrass; Pata de Gallo; Agarista; Zacate Pelillo
 [UTEP]
- DASYOCHLOA (Tateoka, 1961; Valdée-R. & Hatch, 1997; Valdés-Reyna, 2003)
- D. PULCHELLA (Kunth in H.B.K.) Willd. ex Rydb. Low Woollygrass; Fluffgrass
 [*Erioneuron pulchellum* (Kunth in H.B.K.) Tateoka; *Tridens pulchellus* (Kunth)
 Hitchc.; *Triodia pulchella* Kunth]
 [Wooton & Standley, 1915] [UTEP; NMC; BLIS]
- DIGITARIA (Henrard, 1950; Webster, 1987; Wipff & Hatch, 1994; Wipff, 2003)
- D. CALIFORNICA (Benth.) Henr. Arizona Cottontop; Zacate Punta Blanca; Plumero Blanco
 [*Trichachne californica* (Benth.) Chase; *Valota saccharata* (Buckl.) Chase]
 [Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap; Muldavin et al., 1994]
 [UTEP; NMC; NMCR; BLIS]
- D. PUBIFLORA (Vasey) Wipff Western Witchgrass; Fall Witchgrass
 [*Digitaria cognata* (Schultes) Pilger ssp. *pubiflora* (Vasey) Wipff; *Leptoloma cognatum* (Schult.) Chase]
 [Wooton & Standley, 1915; Wipff & Hatch, 1994, systematics and record]
 [UTEP; NMC; NMCR]
- *D. SANGUINALIS (L.) Scop. Hairy Crabgrass; Zacate Cangrejo Velludo
 [*Syntherisma sanguinale* (L.) Dulac]
 [UTEP; NMC; NMCR]
- ECHINOCHLOA (Gould, Ali & Fairbrothers, 1972; Michael, 2003)
- *E. COLONA (L.) Link Jungle-rice; Arroz de Monte
 [Wooton & Standley, 1915; Hitchcock, 1920] [UTEP, Bishop Cap]
- *E. CRUS-GALLI (L.) P. Beauv. Large Barnyardgrass
 [UTEP]
- ELYMUS (Wilson, 1963; Barkworth, Campbell & Salomon, 2007)
- E. ARIZONICUS (Scribn. & J. G. Smith) Gould Arizona Wheatgrass
 [*Elytrigia arizonica* (Scribn. & Smith) D. R. Dewey; *Agropyron arizonicum*
 Scribn. & Smith; *Pseudoroegneria arizonica* (Scribn. & Smith) Löve]
 [Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMCR]
- E. ELYMOIDES (Raf.) Swezey Squirreltail; Bottlebrush Squirreltail; Triguillo Desertico
 BREVIFOLIUS (J. G. Sm.) Barkworth

- [*Sitanion longifolius* J. G. Smith; *S. hystris* J. G. Smith; *S. breviflorum* J. G. Smith;
S. rigidum J. G. Smith; *Elymus longifolius* (J. G. Smith) Gould]
[Metcalfe, 1903; Wooton & Standley, 1915; Muldavin et al., 1994, as *E. elymoides* (Raf.) Swezey]
[UTEP; NMC; BLIS]
- ENNEAPOGON (Chase, 1946; Reeder, 2003)
E. DESVAUXII Desv. ex Beauv. Feather Pappusgrass; Zacate Ladera; Spike Pappusgrass
[Pappophorum wrightii Wats.]
[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
[UTEP; NMC; BLIS]
- ERAGROSTIS (Koch, 1974; Koch & Vega, 1985; Peterson, 2003)
*E. BARRELIERI Daveau Mediterranean Lovegrass
[UTEP; NMCR]
*E. CILIANENSIS (All.) Vign. ex Janchen Stinkgrass
[Wooton & Standley, 1915] [UTEP; NMC; NMCR; BLIS]
*E. CURVULA (Schrud.) Nees Weeping Lovegrass
[NMCR]
E. EROSA Scribn. ex Beal Chihuahuan Lovegrass
[NMC; NMCR]
E. INTERMEDIA Hitchc. Plains Lovegrass
[Soreng, 1986; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
*E. LEHMANNIANA Nees Lehmann Lovegrass
[UTEP, Bishop Cap; NMCR]
E. MEXICANA (Hornem.) Link ssp. MEXICANA Mexican Lovegrass
[Eragrostis neomexicana Vasey]
[Metcalfe, 1903; Koch & Vega, 1985] [NMC; NMCR; UTEP; BLIS]
NOTE: The type locality of *Eragrostis neomexicana* Vasey is the Organ Mts.
E. PECTINACEA (Michx.) Nees ex Steud. var. PECTINACEA Carolina Lovegrass; Tufted Lovegrass
[Eragrostis diffusa Buckl.]
[Fosberg, 1940; Muldavin et al., 1994] [NMCR]
E. PILOSA (L.) Beauv. India Lovegrass
[NMC]
- ERIOCHLOA (Shaw & Webster, 1987; Shaw, Webster & Bern, 2003)
E. ACUMINATA (Presl.) Kunth var. MINOR (Vasey) R. B. Shaw Texas Cupgrass
[Eriochloa gracilis (Fourn.) Hitchc. var. minor Vasey]
[Shaw and Webster, 1987] [NMC]
- ERIONEURON (Tateoka, 1961; Valdés-R., 1985, 2003; Valdés-R. & Hatch, 1997)
E. AVENACEUM (Kunth) Tateoka var. AVENACEUM Large-flowered Tridens; Shortleaf Woollygrass
[Tridens avenaceum (H. B. K.) Hitchc.; Tridens grandiflorus (Vasey) Woot. & Standl.;
Erioneuron grandiflorum (Vasey) Tateoka; E. avenaceum (Kunth) Tateoka var. grandiflorum
(Vasey) Gould]
[UTEP; NMC]
E. NEALLEYI (Vasey) Tateoka Nealley's Lovegrass
[Erioneuron nealleyi (Vasey) Tateoka; E. avenaceum (Kunth) Tateoka var. nealleyi
(Vasey) Gould]
[NMCR]
E. PILOSUM (S. Buckley) Nash Hairy Tridens
[UTEP]
- HESPEROSTIPA (Barkworth, 1993, 2007)
H. NEOMEXICANA (Thurb. ex Coulter) Barkworth New Mexico Feathergrass
[Stipa neomexicana (Thurber) Scribner]
[WSMR, near U. S. Hwy. 70 2 mi. E of San Augustin Pass]
- HETEROPOGON (Nash, 1912; Barkworth, 2003)
H. CONTORTUS (L.) Beauv. ex Roem. & J. A. Schultes Tanglehead; Retorcido Moreno; Barba Negra
[Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop
Cap; Muldavin et al., 1994] [UTEP; NMC; BLIS]
- HILARIA (Sohns, 1956; Allred, 1993; Barkworth, 2003)

- H. MUTICA (Buckl.) Benth. Tobosa; Tobosagrass
 [Pleuraphis mutica Buckl.]
 [Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMCR; WSMR]
- HOPIA (Zuloaga, Giussani & Morrone, 2007)
 H. OBTUSA (Kunth) Zuloaga & Morrone Vine Mesquite; Wiregrass
 [UTEP]
- HORDEUM (Covas, 1948; Von Bothmer, Baden & Jacobsen, 2007)
 H. MURINUM L. ssp. GLAUCUM (Steud.) Tzvelev Hare Barley; Wall Barley
 [Critesion murinum (L.) Löve; Hordeum glaucum Steud.]
 [UTEP]
- KOELERIA (Arnow, 1994; Standley, 2007)
 K. MACRANTHA (Ledeb.) J. A. Schultes Junegrass; Zacate de Cresta
 [Koeleria pyramidata of Amer. auth.; K. cristata (L.) Pers.; K. nitida Nutt.]
 [Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
- LEPTOCHLOA (Hitchcock, 1903; Hitchcock & Swallen, 1939; Snow 2003)
 L. DUBIA (Kunth) Nees Green Sprangletop; Zacate Gigante
 [Diplachne dubia (Kunth) Nees]
 [Metcalf, 1903; Wootton & Standley, 1915; Van Devender & Everitt, 1977,
 Bishop Cap; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
- L. FUSCA (L.) Kunth ssp. FASCICULARIS (Lam.) N. Snow Bearded Sprangletop
 [Diplachne fascicularis (Lam.) Beauv.; Leptochloa fascicularis (Lam.) Gray]
 [NMCR]
- LYCURUS (Reeder, 1985, 2003)
 L. PHLEOIDES Kunth Common Wolf tail
 [Reeder, 1985; Muldavin et al., 1994] [UTEP; NMCR; BLIS]
- L. SETOSUS (Nutt.) C. Reeder Bristly Wolf tail
 [Pleopogon setosum Nutt.; Lycurus phleoides H.B.K. var. glaucifolius Beal]
 [Muldavin et al., 1994] [NMC; NMCR]
- MELICA (Boyle, 1945; Barkworth, 2007)
 M. PORTERI Scribn. Porter's Melica
 var. PORTERI
 [Wootton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; BRCH]
 var. LAXA Boyle
 [NMC]
- MUHLENBERGIA (Pohl, 1969; Peterson & Annable, 1991; Peterson, 2003)
 M. ARENACEA (Buckl.) A. S. Hitchc. Ear Muhly
 [UTEP]
- M. ASPERIFOLIA (Nees & Mey. ex Trin.) Parodi Scratchgrass; Alkali Muhly
 [Sporobolus asperifolius (Nees & Mey. ex Trin.) Nees]
 [UTEP]
- M. BREVIS C. O. Goodding Short Muhly
 [Wootton & Standley, 1915, as M. depauperata Scribn.; Peterson & Annable, 1991]
 [UTEP, NMC]
- M. DUBIA Fourn. ex Hemsl. Pine Muhly; Lienorilla del Pinar
 [Muhlenbergia acuminata Vasey]
 [Wootton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMCR; BLIS]
- M. EMERSLEYI Vasey Bullgrass; Zacate Cambray; Liendrilla del Toro
 [Wootton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; NMCR; BLIS]
- M. FRAGILIS Swallen Delicate Muhly; Slimstem Muhly
 [Peterson & Annable, 1991; Muldavin et al., 1994] [UTEP, US; NMC; NMCR]
- M. GLAUCA (Nees) B. D. Jackson Desert Muhly; Blue Muhly
 [Muhlenbergia lemmonii Scribn.]
 [Wootton & Standley, 1915; Muldavin et al., 1994]
- M. LONGILIGULA A. S. Hitchc. Longtongue Muhly; Liendrilla Ligulada
 [Epicampes stricta Presl.]
 [Wootton & Standley, 1915; Muldavin et al., 1994]

- M. METCALFEI M. E. Jones Metcalfe's Muhly
[Muldavin et al., 1994] [NMCR; BLIS; UTEP]
- M. MINUTISSIMA (Steud.) Swallen Least Muhly; Sixweeks Muhley
[*Agrostis minutissima* Steud.]
[Muldavin et al., 1994] [UTEP]
- M. MONTANA (Nutt.) A. S. Hitchc. Mountain Muhly
[*Muhlenbergia subalpina* Vasey; *M. trifida* Hook.]
[Wooton & Standley, 1915; Muldavin et al., 1994]
- M. PAUCIFLORA Buckl. New Mexico Muhly; Liendrilla del Nuevo México
[*Muhlenbergia neomexicana* Vasey; *M. pringlei* Scribn.]
[Metcalf, 1903; Muldavin et al., 1994] [UTEP; NMC; NMCR]
- M. POLYCAULIS Scribn. Cliff Muhly
[NMCR]
- M. PORTERI Scribn. ex Beal Bush Muhly; Zacate Aparejo; Liendrilla Amacollada
[Wooton & Standley, 1915; Fosberg, 1940; Van Devender & Everitt, 1977, Bishop Cap;
Muldavin et al., 1994] [UTEP]
- M. RIGENS (Benth.) A. S. Hitchc. Deergrass
[Muldevin et al., 1994] [BLIS]
- M. RIGIDA (Kunth) Trin. Purple Muhly; Liendrilla Morada
[NMCR]
- M. SINUOSA Swallen Barrens Muhly
[Swallen, 1947; Peterson & Annable, 1991; Muldavin et al., 1994] [NMC; US]
- M. TENUIFOLIA (Kunth) Trin. Slimflower Muhly; Mesa Muhly
[*Muhlenbergia monticola* Buckl.]
[Wooton & Standley, 1915; Fosberg, 1940; Peterson & Annable, 1991; Muldavin et al., 1994]
[UTEP; NMC; NMCR; RSA-POM]
- M. TORREYI (Kunth) A. S. Hitchc. ex Bush Ring Muhly
[*Muhlenbergia gracillima* Torr.]
[Wooton & Standley, 1915]
- PANICUM (Hitchcock & Chase, 1910; Freckmann & Lelong, 2003)
- P. BULBOSUM Kunth Bulb Panicum; Panicgrass
[*Panicum bulbosum* Kunth in H.B.K. var. *minus* Vasey; *P. plenum* Hitchc. & Chase]
[Metcalf, 1903; Hitchcock & Chase, 1910; Wooton & Standley, 1915; Muldavin et al., 1994]
[UTEP; NMC; NMCR; BLIS]
- P. CAPILLARE L. ssp. CAPILLARE Witchgrass; Common Witchgrass
[*Panicum barbipulvinatum* Nash]
[Metcalf, 1903; Hitchcock & Chase, 1910] [UTEP; NMCR]
- P. HALLII Vasey ssp. HALLII Hall's Panicum
[Wooton & Standley, 1915; Hitchcock & Chase, 1910; Fosberg, 1940; Muldavin et al., 1994]
[UTEP; NMC; BLIS; WSMR]
- P. HIRTICAULE Presl. Mexican Witchgrass; Roughstalked Witchgrass; Panizo Cauchin
ssp. HIRTICAULE
[*Panicum pampinosum* Hitchc. & Chase]
[Hitchcock & Chase, 1910; Wooton & Standley, 1915; Muldavin et al., 1994, not to
variety; Zuloaga & Morrone, 1996] [UTEP; NMC; BLIS]
- P. VIRGATUM L. Switchgrass
[Wooton & Standley, 1915]
- PASPALUM (Chase, 1929; Allen & Hall, 2003)
- P. DISTICHUM L. Knotgrass; Camalote Saladillo
[*Paspalum distichum* L. var. *inductum* Shimmers]
[Wooton & Standley, 1915] [NMC]
- PIPTOCHAETIUM (Barkworth, 1993, 2007)
- P. FIMBRIATUM (Kunth.) A. S. Hitchc. Piñyon Ricegrass; Pastillo de Pinar; Falso Espartillo del Pinar
[*Oryzopsis fimbriata* Hemsl.; *Stipa fimbriata* H.B.K.]
[Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; NMCR]
- POA (Marsh, 1952; Soreng, 1985, 2007)

- P. BIGELOVII Vasey & Scribn. Bigelow's Bluegrass; Pasto Azul Precoz
[Metcalf, 1903; Wooton & Standley, 1915] [UTEP; NMC; NMCR; BLIS]
- *P. BULBOSA L. ssp. BULBOSA Bulbous Bluegrass
[UTEP; NMC]
- P. FENDLERIANA (Steud.) Vasey ssp. FENDLERIANA Fendler Muttongrass
[Metcalf, 1903; Wooton & Standley, 1915; Marsh, 1952; Muldavin et al., 1994]
[UTEP; NMC; NMCR]
- POLYPOGON (Hitchcock, 1937; Barkworth, 2007.)
- *P. MONSPELIENSIS (L.) Desf. Annual Rabbitsfoot Grass
[Muldavin et al., 1994] [UTEP; BLIS]
- *P. VIRIDIS (Gouan) Breistr. Bearded Rabbitsfoot Grass; Water Polypogon; Castillitos de Agua
[*Agrostis semiverticillata* (Forsk.) C. Christens.; *A. verticillata* Vill.]
[Metcalf, 1903; Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; NMC; NMCR]
- SCHISMUS (Conert & Turp, 1974; Kellogg, 2003.)
- *S. ARABICUS Nees Arabian Mediterraneangrass
[WSMR, collected in the Community of White Sands]
- SCHIZACHYRIUM (Bruner, 1987; Gandhi, 1989; Wipff, 2003)
- S. SANGUINEUM (Retz.) Alston var. HIRTIFLORUM (Nees) Hatch Santa Fe Bluestem; Popotilo
Hirsuto
[*Andropogon hirtiflorus* (Nees) Kunth; *A. hirtiflorus* var. *feensis* (Fourn.) Hock]
[NMC; NMCR]
- S. SCOPARIUM (Michx.) Nash var. SCOPARIUM Little Bluestem
[*Andropogon scoparius* Michx.]
[Wooton & Standley, 1915; Muldavin et al., 1994] [UTEP; TAES; BLIS]
- SCLEROPOGON (Reeder & Toolin, 1987; Reeder, 2003)
- S. BREVIFOLIUS Phil. Burrograss; False Needlegrass; Zacate de Burro
[*Scleropogon longisetus* A. Beetle]
[Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC]
- SETARIA (Rominger, 1962, 2003)
- S. GRISEBACHII Fourn. Grisebach's Bristlegrass
[*Chaetochloa grisebachii* var. *ampla* Scribn. & Merr.]
[Wooton & Standley, 1915; Hitchcock, 1920; Van Devender & Everitt, 1977, Bishop
Cap; Muldavin et al., 1994] [NMC; NMCR; UTEP; BLIS]
NOTE: Standley (1910) reports the type locality of the above synonym to be the Organ Mts.
This was an error. The actual type locality is D.F., Mexico (Hitchcock, 1935).
- S. LEUCOPILA (Scribn. & Merr.) K. Schum. Plains Bristlegrass; Zacate Tempranero
[*Setaria macrostachya* of Amer. authors, not H.B.K.]
[Hitchcock, 1920; Fosberg, 1940; Muldavin et al., 1994] [UTEP; NMCR; BLIS]
- *S. VIRIDIS (L.) Beauv. var. VIRIDIS Green Bristlegrass
[*Chaetochloa viridis* (L.) Scribn.]
[UTEP, Bishop Cap; NMCR; BLIS]
- SORGHUM (DeWet, 1978; Barkworth, 2003)
- *S. HALEPENSE (L.) Person Johnsongrass
[WSMR, community of White Sands]
- SPHENOPHOLIS (Erdman, 1965; Daniel, 2007)
- S. OBTUSATA (Michx.) Scribn. Prairie Wedgescale; Zacate de Cuña
[*Sphenopholis robusta* (Vasey) Heller]
[Wooton & Standley, 1915] [UTEP; NMCR; WSMR]
- SPOROBOLUS (Clayton, 1965; Riggins, 1977; Peterson, Hatch & Weakley, 2003)
- S. AIROIDES (Torr.) Torr. Alkali Sacaton; Zacaton Alkalino
[*Agrostis airoides* Torr.]
[UTEP]
- S. CONTRACTUS A. S. Hitchc. Spike Dropseed
[*Sporobolus strictus* Merr.]
[Fosberg, 1940] [UTEP; NMC; NMCR]
- S. CRYPTANDRUS (Torr.) Gray Sand Dropseed; Zacaton Desgranador

- [*Agrostis cryptandra* Torr.]
[UTEP; NMC]
S. FLEXUOSUS (Thurb. ex Vasey) Rydb. Mesa Dropseed; Zacaton Flexuoso
[Wooton & Standley, 1915] [NMC, mesa W of Organ Mts.; BLIS]
TRAGUS (Wipff, 1992, 2003)
*T. BERTERONIANUS J. A. Schultes Spike Burgrass; Pricklegrass; Abrojo Espigado
[Metcalf, 1903, as *Nazia racemosa* (L.) Kuntz.; Wooton & Standley, 1915, as *Naizia aliena*]
[UTEP; NMC; NMCR]
TRICHLORIS (Barkworth, 2003)
T. CRINITA (Lagasca) Parodi False Rhodesgrass; Multiflowered Chloris
[*Chloris crinita* Lag.; *T. fasciculata* Fourn.]
[Anderson, 1974]
TRIDENS (Tateoka, 1961; Valdes-Reyna, 2003)
T. MUTICUS (Torr.) Nash var. MUTICUS Slim Tridens
[Van Devender & Everitt, 1977, Bishop Cap] [UTEP; NMC; NMCR; BLIS]
TRisetum (Louis-Marie O. C., 1928; Ramely, 2007)
T. INTERRUPTUM Buckl. Prairie False Oat; Prairie Trisetum
[UTEP, Bishop Cap; NMC, Bishop Cap]
UROCHLOA (Webster, 1988; Wipff & Thompson, 2003)
U. ARIZONICA (Scribn. & Merr.) Morrone & Zuloaga Arizona Signalgrass
[*Brachiaria arizonica* (Scribn. & Merr.) S. T. Blake; *Panicum arizonicum* Scribn. & Merr.]
[Wooton & Standley, 1915] [NMC; NMCR; BLIS; WSMR]
U. FUSCA (Sw.) Hansen & Wunderlin Browntop Signalgrass; Panizo Fasciculado
[*Brachiaria fasciculata* (Sw.) R. D. Webster; *Panicum fasciculatum* Sw. var. *reticulatum*
(Torr.) Beal]
[UTEP]
VULPIA (Lonard & Gould, 1974; Lonard, 2007)
V. MICROSTACHYS (Nutt.) Munro var. MICROSTACHYS Small Sixweeks-fescue
[NMC]
Note: This species may have been introduced to the mountains from the west by
activities associated with mining (Spellenberg, Mahrt & Brozka, 1991).
V. OCTOFLORA (Walt.) Rydb. Sixweeks-fescue; Camuela de Ocho
var. OCTOFLORA
[*Festuca octoflora* Walt.]
[Metcalf, 1903; Wooton & Standley, 1915; Van Devender & Everitt, 1977, Bishop Cap]
[UTEP; NMC; NMCR]

POTAMOGETONACEAE

Pondweed Family

- POTAMOGETON (Ogden, 1943; Hayes & Hellquist, 2000)
?P. ILLINOENSIS Morong Illinois Pondweed
[Ogden, 1943]
Note: Ogden (1943) cites an E. O. Wooton collection made 10 Jul 1909 on the San Augustin
Ranch, Organ Mts. Hayes and Hellquist (2000) do not show NM within the range of the species.

TYPHACEAE

Cat-tail Family

- TYPHA (Lee & Fairbrothers, 1969; Smith, 2000)
T. DOMINGENSIS Persoon Southern Cattail
[WSMR, in Texas Canyon at 1600 m]

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RECORD SEARCH: LIKELY TO OCCUR IN THE ORGAN MTS.

Ambrosia psilostachya
Bahia biternata
Brickellia venosa