

See also Field Book

MEXICAN PLANTS

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by

I. M. Johnston

Texas and Coahuila

Texas

- 7000 Cryptantha oblata (Jones) Payson
- 7001 Heliotropium Greggii Torr.
- 7002 Cryptantha albida (HBK) Johnston
- 7003 Cryptantha oblata (Jones) Payson
- 7004 Coldenia canescens DC.
- 7005 Coldenia mexicana Wats.

Piedras Negras -- Monclova

Texas & Coahuila

- 7006 Castela texana (T & G) Rose
- 7007 Eupatorium Greggii Gray
- 7008 Dyssodia Berlandieri (DC) Blake.
- 7009 Psilostrophe gnaphalodes DC.
- 7010 Sporobolus Wrightii Munro Chase
- 7011 Coprymelina nudiflora L.?
- 7012 Cuscuta
- 7013 Roulinia unifaria Engelm.?
- 7014 Celtis pallida Torr.
- 7015 Condalia viridis nsp. TYPE
- 7016 Schaefferia cuneifolia Gray
- 7017 Triodia texana Wats. Chase
- 7018 Chloris latisquamea Nash unicate det. Chase
- 7019 Dalea lasianthera Gray
- 7020 Desmanthus depressus HBK
- 7021 Ruellia nudiflora var. occidentalis (Gray) Leonard
- 7022 Calyptocarpus vialis Less. --Blake
- 7023 Cordia podocephala Torr.
- 7024 Zexmenia hispida HBK.
- 7025 Lithospermum matamorensense DC.
- 7026 Rivina humilis L.
- 7027 Salvia bellotaeflora Benth.
- 7028 Euphorbia acuta Engelm.
- 7029 Dyssodia micropoides (DC) Loesn.
- 7030 Verbesina
- 7031 Thelosperma
- 7032 Dalea frutescens Gray, var.
- 7033 Calliandra eriophylla Benth.
- 7034 Krameria Grayi Rose & Painter
- 7035 Heliotropium angustifolium Torr.
- 7036 Ipomoea Lindheimeri Gray.

- 7037 *Diospyros texana* Scheele
7038 *Lippia Berlandieri* Schauer
7039 *Acacia vernicosa* Standl.?
7040 *Taxodium mucronatum* Ten.
7041 *Triodia albescens* Vasey Chase
7042 *Helenium microcephalum* DC.
7045 *Aristida adscensionis* L. Chase
7044
7045 *Karwinskia Humboldtiana* Zucc.
7046 *Euphorbia serpens* HBK. det. W.¹
7047 *Pappophorum bicolor* Fourn. Chase
7048 *Citharexylum brachyanthum* Gray
7049 *Heliotropium confertifolium* Torr.
7050 *Coldenia canescens* DC.
7051 *Thamnosma texana* Torr.
7052 *Polygala macradenia* Gray
7053 *Heliotropium confertifolium* Torr.
7054 *Lippia macrostachya* (Torr.) Wats.
7055 *Heliotropium angustifolium* Torr.
7056 *Cephalanthus salicifolium* H.&B.
7057 *Operculina dissecta* (Jacq.) House
7058 *Sartwellia mexicana* Gray
7059 *Thelosperma*.
7060 *Euphorbia astyla* Eng. det. W.
7061 *Euphorbia stictospora* Eng.¹ det. W.
7062 *Gaillardia*
7063 *Nama serpylloides* var. *velutinum* Hitch. nsp. TYPE Hitchc.
7064 *Drymaria lyrapetala* Johnston
7065 *Erigeron* sp.
7066 *Aplopappus* nsp. = no. 7131
7067 *Nerisyrenia camporum* (Gray) Greene Rollins
7068 *Coldenia canescens* DC.
7069 *Coldenia hispidissima* (T.&G) Gray
7070 *Coldenia canescens* DC.
7071 *Viguiera stenoloba* Blake
7072 *Peganum mexicanum* Gray
7075 *Prosopis cinerascens* Gray
7074 *Suaeda fruticosa* (L.) Forsk.
7075 *Atriplex texana* Wats.?
7076 *Amaranthus scleropoides* Ul & Bray
7077 *Perezia nana* Gray
7078 *Pectis angustifolia* var. *subaristata* Gray.
7079 *Florestina tripteris* DC.
7080 *Simsia* sp.
7081 *Heliotropium glabriusculum* (Torr.) Gray
7082 *Bahia absinthifolia* Benth.

Monclova —Cuatro Ciénegas

Coahuila

- 7083 *Condalia spathulata* Gray

- 7084 Euphorbia cumbrae Boiss? det. W.
7085 Triodia pulchella HBK. unicate det. Chase
7086 Bouteloua barbata Lag. unicate det. Chase
7087 Heterotheca Lamarckii Cass.
7088 Portulaca sp.
7089 Polanisia uniglandulosa (Car.) DC.
7090 Porophyllum scoparium Gray
7091 Triodia mutica (Torr.) Scribn. Chase
7092 Cheilanthes horridula Maxon CAW
7093 Lesquerella argyraea (Gray) Wats. Rollins
7094 Heliotropium Greggii Torr.
7095 Sida procumbens Sw.
7096 Cassia durangensis Rose.
7097 Croton Lindheimerianus Mull. Arg. Wheeler
7098 Dalea Wrightii Gray forma.
7099 Heliotropium confertifolium Torr.
7100 Selinocarpus angustifolius Torr.
7101 Sericodes Greggii Gray
7102 Karwinskia Humboldtiana Zucc.
7103 Aplopappus (Isocoma) sp.
7104 Nerisyrenia camporum (Gray) Greene Rollins
7105 Eupatorium coelestinum L.
7106 Atriplex texana Wats.?
7107 Fraxinus sp.
7108 Cirsium excelsius (Robins.) Petrak
7109 Dyssodia Berlandieri (DC) Blake.
7110 Triodia mutica (Torr.) Scrib.
7111 Gaillardia
7112 Mentzelia pachyrhiza nsp.
7113 Talinum aurantiacum Engelm.
7114 Euphorbia exstipulata Eng.¹ det. W.
7115 Parthenium incanum HBK.
7116 Pectis angustifolia var. subaristata Gray
7117 Bouteloua barbata Lag. Chase
7118 Euphorbia prostrata Aiton det. W.
7119 Euphorbia sp. Wh.
7120 Coldenia hispidissima (T.&G.) Gray
7121 Menodora scabra (Engelm.) Gray
7122 Euphorbia sp.
7123 Euphorbia stictospora Eng.¹ det. W.
7124 Fuirena sp.
7125 Distichlis stricta (Torr.) Rydb. unicate det. Chase
7126 Nana serpylloides var. velutinum Hitchc. Hitchc.
7127 Suaeda mexicana Standley?
7128 Suaeda suffrutescens Wats.
7129 Monanthochloe littoralis Engelm. unicate det. Chase.
7130 Nerisyrenia incana Rollins nsp.
7131 Aplopappus nsp. = no. 7066

- 7132 Sporobolus phleoides Hack.? vel. sp. indet. Chase
7133 Sporobolus airoides (Torr.) Torr. Chase
7134 Meiomeria stellata (Wats.) Standley
7135 Euphorbia astyla Eng. det. W.
7136 Atriplex acanthocarpa (Torr.) Wat. forma.
7137 Sesuvium sp.
7138 Suaeda Palmeri Standley
7139 Allenrolfea occidentalis (Wats.) Kuntze
7140 Aplopappus trianthus Blake
7141 Nama stenophyllum Gray Hitchc.
7142 Pectis angustifolia var. subaristata Gray
7143 Talinum aurantiacum Engelm.
7144 Coldenia hispidissima (T.&G.) Gray
7145 Hoffmanseggia canescens Fisher.
7146 Abutilon sp. (=Purpus 4901)
7147 Cordia Greggii Torr.
7148 Salazaria mexicana Torr.
7149 Nerisyrenia camporum (Gray) Greene Rollins
7150 Lesquerella argyraea (Gray) Wats. Rollins
7151 Chaetopappa sp.
7152 Ditaxis neomexicana (Mill) Heller¹ det. W.
7153 Euphorbia scopularum Brandg.¹ det. W.
7154 Froelichia interrupta (L.) Moq.
7155 Anulocaulis eviosolenus (Gray) Standley
7156 Trixis radialis (L.) OK.
7157 Coldenia Greggii (T.&G) Gray
7158 Eucnide lobata Gray
7159 Selinocarpus angustifolius Torr.
7160 Euphorbia sp. det. W.
7161 Heliotropium angustifolium Torr.
7162 Carlowrightia nsp.
7163 Carlowrightia serphillifolia Gray
7164 Perezia runcinata Lag.
7165 Stenolobium incisum Rose & Standl.
7166 Brickellia Coulteri Gray.
7167 Notholaena Schaffneri (Fourn.) Underw. var. Nealleyi (Seaton) Weatherby CAW
7168 Randia Pringlei Gray
7169 Mascagnia lilacina (Wats.) Niedenz.
7170 Panicum Hallii Vasey Chase
7171 Bouteloua trifida Thurb. Chase
7172 Muhlenbergia Porteri Scribn. Chase
7173 Heliotropium Greggii Torr.
7174 Triodia mutica (Torr.) Scrib. Chase
7175 Nyctaginia capitata Choisy
7176 Menodora scabra (Engelm.) Gray var.
7177 Euphorbia prostrata Aiten det. W.
7178 Cyphomeris crassifolia Standley
7179 Kallstroemia parviflora Norton
7180 Sida sp.?
7181 Lippia ligustrina var.
7182 Gutierrezia eriocarpa Gray

- 7183 *Euphorbia serrula* Eng.¹ det. W.
- 7184 *Euphorbia stictospora* Eng.¹ det. W.
- 7185 *Dalea lasianthera* Gray
- 7186 *Aphanostephus humilis* Gray ?

Monclova — Saltillo

Coahuila

- 7187 *Atriplex* sp.
- 7188 *Gossypianthus lanuginosus* (Poir.) Moq.
- 7189 *Boerhaavia* sp.
- 7190 *Kallstroemia parviflora* Norton
- 7191 *Celosia Palmeri* Wats.
- 7192 *Buddleja marrubiifolia* Benth.
- 7193 *Perezia runcinata* Lag.
- 7194 *Aplopappus spinulosus* (Pursh.) DC.
- 7195 *A. Euphorbia prostrata* Aiton det. W.
Euphorbia serpens HBK
- 7196 *Euphorbia serrula* Eng. det. W.
- 7197 *Buddleja marrubiifolia* Benth.
- 7198 *Acacia cuspidata* Sch.
- 7199 *Cassia Greggii* Gray
- 7200 *Bouteloua breviseta* Vasey Chase
- 7201 *Heliotropium confertifolium* Torr.
- 7202 *Houstonia acerosa* Gray.
- 7203 *Stevia* sp.
- 7204 *Bauhinia congesta* (B.&R.) Lundell
- 7205 *Notholaena candida* (Mart. & Gal.) Hook CAW
- 7206 *Pellaea microphylla* Mett. CAW
- 7207 *Cheilanthes horridula* Maxon CAW
- 7208 *Selaginella Wrightii* Hieron CAW
- 7209 *Notholaena Aschenborniana* Kl. CAW
- 7210 *Clematis Drummondii* T.&G.
- 7211 *Euphorbia cinerascens* Eng. det. W.
- 7212 *Colubrina Greggii* Wats.
- 7213 *Mortonia* nsp.
- 7214 *Fraxinus Greggii* Gray
- 7215 *Emorya suaveolens* Torr.
- 7216 *Metastelma Palmeri* Wats.
- 7217 *Vauquelinia corymbosa* Correa
- 7218 *Pistacia texana* Swingle
- 7219 *Zanthoxylum Fagara* (L.) Sarg.
- 7220 *Ephedra pedunculata* Engelm.
Diospyros texana Scheele
- 7221 *Spiranthes cinnabarina* (Ll. & Llex) Lindl. det. Williams
- 7222
- 7223 *Gochnatia hypoleuca* Gray
- 7224 *Selloa glutinosa* Spreng.
- 7225 *Heliotropium angustifolium* Torr.
- 7226 *Zexmenia brevifolia* Gray - (Blake)
- 7227 *Gutierrezia lucida* Greene
- 7228 *Cordia Boissieri* ADC.

- 7229 *Juglans rupestris* Engelm.
7230 *Aplopappus trianthus* Blake - (Blake)
7231 *Menodora scoparia* Engelm.
7232 *Dyssodia acerosa* DC.
7233 *Coldenia Greggii* (T.&G.) Gray
7234 *Coldenia Mexicana* Wats.
7235 *Notholaena sinuata* (Lag.) Kaulf. var. *crenata* Lemmon CAW
7236 *Selaginella lepidophylla* (H.&A.) Spring CAW
7237 *Aplopappus Hartwegi* (Gray) Blake ?
7238 *Psilostrophe gnaphalodes* DC.
7239 *Bahia absinthifolia* Benth. var. *dealbata* Gray.
7240 *Euphorbia cinerascens* Eng. det. W.
7241 *Coldenia canescens* DC. = 7241A and 7241B
7242 *Dyssodia acerosa* DC.
7243 *Polygala scoparioides* Chodat.
7244 *Atriplex muricata* H.&B.
7245 *Nicolletia Edwardsii* Gray.

Mts. SE of Saltillo

Coahuila

- 7246 *Asphodelus fistulosus* L.
7247 *Bouvardia ternifolia* (Cav.) Schl.
7248 *Dyssodia puberula* (Rydb.) Standley
7249 *Bouteloua hirsuta* Lag. Chase
7250 *Lycurus phleoides* HBK. Chase
7251 *Hilaria cenchroides* HBK. Chase
7252 *Triodia acuminata* HBK. Chase
7253 *Dyssodia setifolia* (Lag.) Robins.
7254 *Selloa glutinosa* Cass
7255 *Cowania plicata* Don
7256 *Gilia rigidula* Benth. subsp. *insignis* Brand.
7257 *Houstonia angustifolia* Michx var.
7258 *Cuphea aequipetala* Cav.
7259 *Euphorbia villifera* Scheele Wheeler
7260 *Hedoma*
7261 *Ayenia pusilla* L.
7262 *Acalypha Lindheimeri* Mull. Arg. det. W¹
7263 *Amelanchier denticulata* (HBK) Koch.
7264 *Chrysactinia mexicana* Gray
7265 *Dyssodia pinnata* (Cav.) Robins.
7266 *Scutellaria Drummondii* Benth.
7267 *Acalypha hederacea* Torr. det. W.¹
7268
7269 *Notholaena limitanea* Maxon var. *mexicana* Maxon CAW
7270 *Cheilanthes Eatoni* Baker CAW
7271 *Heterotheca Lamarkii* Cass.
7272 *Lithospermum Palmeri* Wats.

Saltillo - Concepcion del Oro

Coahuila

- 7273 *Sphaeralcea subhastata* Coulter
7274 *Astragalus* sp. (cf. *A. Earlei* Greene)
7275 *Gaillardia comosa* Gray.
7276 *Selloa glutinosa* Spring
7277 *Buddleja scordioides* HBK
7278 *Solidago velutina* DC
7279 *Cryptantha albida* (HBK) Johnston
7280 *Hoffmanseggia densiflora* Benth.
7281 *Hoffmanseggia canescens* Fisher
7282 *Aplopappus spinulosus* (Pursh.) DC.
7283 *Aster Leucelene* Blake
7284 *Ephedra aspera* Engelm.
7285 *Zaluzania Robinsonii* Sharp
7286 *Pentstemon* sp.
7287 *Eriogonum ciliatum* Torr.
7288 *Muehlenbergia dubia* Fourn. Chase
7289 *Muehlenbergia rigida* (HBK) Kunth. Chase
7290 *Sitanion Hystrix* (Nutt.) J.G. Smith Chase
7291 *Aristida curvifolia* Fourn. Chase
7292 *Actinea scaposa* var. *linearis* (Nutt.) Rob. & Actinea sp.
7293 *Verbesina*
7294 *Erigeron* sp.
7295 *Lesquerella Fendleri* Wats. Rollins
7296 *Stipa tenuissima* Trin. Chase
7297 *Stipa neomexicana* (Thurb.) Scrib. Chase
7298 *Stipa eminens* Cav. Chase
7299 *Bouteloua uniflora* Vasey Chase
7300 *Eurotia lanata* (Pursh.) Moq.
7301 *Actinea odorata* (DC.) Kuntze
7302 *Parthenium Hysterophorus* L.
7303 *Stipa editorum* Fourn. (Chase)
7304 *Muehlenbergia arenicola* Buckl. (Chase)
7305 *Muehlenbergia Thurberi* Rydb. (Chase)
7606 *Carex*
7307 *Triodia pulchella* HBK (Chase)
7308 *Viguiera dentata* (Cav.) Spreng. - (Blake)
7309 *Iva dealbata* Gray
7310 *Mortonia Palmeri* Hemsl.
7311 *Viguiera Greggii* (Gray) Blake - (Blake)
7312 *Metastelma barbigerum* Scheele
7313 *Buddleja marrubifolia* Benth.
7314 *Buddleja scordioides* HBK
7315 *Selloa glutinosa* Spreng.
7316 *Lippia Wrightii* Gray
7317 *Coldenia Greggii* (T.&G.) Gray
7318 *Zexmenia brevifolia* Gray - (Blake)
7319 *Atriplex canescens* (Pursh.) Nutt.
7320 *Mentzelia hispida* Willd.
7321 *Atriplex muricata* H.&B.
7322 *Viguiera stenoloba* Blake - (Blake)

- 7323 *Dyssodia puberula* (Rydb.) Stand.
7324 *Cuscuta*
7325 *Zinnia pumila* Gray - (Blake)
7326 *Dyssodia acerosa* DC.
7327 *Dalea capitata* Wats.
7328 *Bakia absinthifolia* Benth.
7329 *Nerisyrenia camporum* (Gray) Greene Rollins
7330 *Selloa glutinosa* Spreng.
7331 *Nama dichotomum* var. *pueblense* (R.&G.) Maclur. Hitchc.
7332 *Cryptantha albida* (H.B.K.) Jtn.
7333 *Lycium Berlandieri* Dunal
7334 *Atriplex acanthocarpa* (Torr.) Wats.
7335 *Atriplex acanthocarpa* (Torr.) Wats.
7336 *Lycium leiospermum* nsp.
7337 *Aplopappus venetus* (HBK) Blake.
7338 *Peganum mexicanum* Gray
7339 *Suaeda Palmeri* Standley
7340 *Suaeda Palmeri* Standley
7341 *Atriplex obovata* Moq.
7342 *Atriplex acanthocarpa* (Torr.) Wats.
7343 *Acacia constricta* Benth.
7344 *Drymaria polycarpoides* Gray
7345 *Euphorbia* sp. W.
7346 *Asclepias brachystephanus* Engelm.

Concepcion del Oro -- Cardona

Zacatecas

- 7347 *Zinnia juniperifolia* Gray - (Blake)
7348 *Castilleja lanata* Gray
7349 *Lindleya mespiloides* HBK
7350 *Zaluzania Robinsonii* Sharp
7351 *Citharexylum brachyanthum* Gray
7352 *Coldenia Purpusii* Brandg.
7353 *Leucophyllum minus* Gray
7354 *Mortonia Palmeri* Hemsl.
7355 *Dalea tuberculata* Lag.
7356 *Iva dealbata* Gray
7357 *Sphaeralcea angustifolia* (Cav.) Don ?
7358 *Bouteloua* sp. "possibly new" Chase
7359 *Hoffmanseggia canescens* Fisher
7360 *Physalis*
7361 *Stipa editorum* Fourn. Chase
7362 *Sporobolus Wrightii* Munro
7363 *Castilleja lanata* Gray
7364 *Euphorbia* sp. Wheeler
7365 *Salvia ballotaeiflora* Benth.
7366 *Dicraurus leptocladus* Benth (amar.)
7367 *Cryptantha albida* (HBK) Jtn.
7368 *Viguiera stenoloba* Blake - (Blake)
7369 *Atriplex muricata* H.&B.
7370 *Perezia Parryi* Gray

- 7371 *Leptochloa dubia* (HBK) Nees Chase
- 7372 *Bouteloua gracilis* (HBK) Lag. Chase
- 7373 *Muhlenbergia arenicola* Buckl. Chase
- 7374 *Aristida hamulosa* Henr. Chase

Cardona -- Sierra Hermosa

- 7375 *Berberis* sp. (new) - no. 7423
- 7376 *Acleisanthes acutifolia* Standley
- 7377 *Cassia* sp. (= *Palmerocassia Painteri* Britt)
- 7378 *Psilostrophe gnaphalodes* DC.
- 7379 *Bahia absinthifolia* Benth.
- 7380 *Dyssodia setifolia* (Lag.) Rob.
- 7381 *Lippia Wrightii* Gray
- 7382 *Verbesina*
- 7383 *Pentstemon*
- 7384 *Perezia Parryi* Gray
- 7385 *Heterosperma pinnatum* Cav. - (Blake)
- 7386 *Talinopsis frutescens* Gray
- 7387 *Euphorbia stictospora* Eng. det. W.
- 7387A *Talinum* sp.
- 7388 *Euphorbia* sp.
- 7388 bis *Citharescylum brachyanthum* Gray
- 7389 *Dalea* (cf. *P. argyrostachys*)
- 7390 *Dalea tuberculata* Lag.
- 7391 *Forestiera puberula* Eastw.
- 7392 *Zaluzania mollissima* Gray - (Blake)
- 7393 *Euphorbia serrula* Eng. det. W.
- 7394 *Lycium Berlandieri* Dunal
- 7395 *Comp-Eupat?* new sp. and perhaps new genus.
- 7396 *Selloa glutinosa* Spreng.
- 7397 *Lindleya mespiloides* HBK
- 7398 *Vigulera linearis* (Cav.) Sch. Bip. - (Blake)
- 7399 *Andropogon perforatus* Trin. Chase
- 7400 *Flourensia dentata* Blake
- 7401 *Flaveria oppositifolia* (DC) Rydb.
- 7402 *Nerisyrenia linearifolia* (Wats.) Greene Rollins
- 7403 *Phacelia integrifolia* Torr. var.
- 7404 *Aplopappus venetus* (HBK) Blake
- 7405 *Sartwellia humilis* nsp.

Sierra Hermosa -- Zacatecas

- 7406 *Nama hispidum* Gray forma Hitchc.
- 7407 *Dicranocarpus parviflorus* Gray
- 7408 *Dalea* cf. *argyrostachys*
- 7409 *Condalia fasciculata* Jtn.
- 7410 *Guilleminea densa* (Willd.) Moq.
- 7411 *Cordia glauca* Hemsl.
- 7412 *Pectis angustifolia* var. *subaristata* Gray.
- 7413 *Galinsoga parviflora* Cav.
- 7414 *Mimosa biuncifera* Benth.
- 7415 *Dyssodia tenuifolia* (Cass.) Loes.
- 7416 *Artemisia mexicana* Willd.
- 7417 *Talinopsis frutescens* Gray

- 7418 Muhlenbergia tenuifolia (HBK) Kunth. Chase
- 7419 Panicum obtusum HBK
- 7420 Ephedra compacta Rose?
- 7421 Achyronychia
- 7422 Tidestromia lanuginosa (Nutt.) Standl.
- 7423 Berberis sp. = 7375
- 7424 Mimosa zygophylla Benth.
- 7425 Lycium pallidum Miers
- 7426 Dyssodia tenuifolia (Cass.) Loes.
- 7427 Sporobolus pyramidatus (Lem.) Hitchc. Chase
- 7428 Buchloe dactyloides (Nutt.) Engelm. Chase
- 7429 Leptochloa fascicularis (Lam.) Gray Chase
- 7430 Atriplex linifolia H.&B.
- 7431 Juncus balticus Willd.
- 7432 Suaeda maritima (L.) Dum.
- 7433 Flaveria oppositifolia (DC) Rydb.
- 7434 Suaeda maritima (L.) Dum.
- 7435 Suaeda maritima (L.) Dum.
- 7436 Suaeda maritima (L.) Dum.
- 7437 Cleomella longipes Torr.
- 7438 Eryngium Wrightii Gray
- 7439 Eysenhardtia
- 7440 Acacia tortuosa Benth.
- 7441 Flourensia dentata Blake
- 7442 Sellera glutinosa Spreng.
- 7443 Kuhnia rosmarinifolia Vent.
- 7444 Gnaphalium sp.
- 7445 Viguiera linearis (Cav.) Sch. Bip.
- 7446 Mimosa biuncifera Benth.
- 7447 Buddleja scordioides HBK
- 7448 Croton gracilis Mill.Arg. det. W.
- 7449 Dalea tuberculata Lag.
- 7450 Clematis Drummondii T.&G.
- 7451 Acacia constricta Benth.
- 7452 Lamourouxia tenuifolia M.&G.
- 7453 Grindelia sp.
- 7454 Zaluzania globosa Sch.Bip. var. myriophylla Sharp
- 7455
- 7456 Adolphia infesta (HBK) Meissn.
- 7457 Aristida barbata Fourn. Chase
- 7458 Asphodelus fistulosus L.
- 7459 Dalea leporina (Aiton)
- 7459A Dalea citriodora Cav.
- 7460 Eragrostis diffusa Buckl. Chase
- 7461 Bouteloua simplex Lag. Chase
- 7462 Milla biflora Cav.
- 7463 Dalea tuberculata Lag.
- 7464 Perymenium
- 7465 Cleomella longipes Torr.
- 7466 Atriplex linifolia H.&B.
- 7467 Atriplex muricata H.&B.
- 7468 Trifolium goniocarpum Loj.
- 7469 Astragalus
- 7470 Nama hispidum var. Mentzelii Brand. Hitch.
- 7471 Nama undulata HBK Hitchc.
- 7472 Townsendia mexicana Gray

Zaluzania → R.P.P.

- 7473 *Astragalus Wootoni* Sheldon ?
- 7474 *Phaseolus heterophyllus* Willd.
- 7475 *Stevia* sp.
- 7476 *Tagetes micrantha* Cav.
- 7477 *Heterosperma pinnatum* Cav.
- 7478 *Dyssodia puberula* (Rydb.) Standl.
- 7479 *Coldenia canescens* DC.
- 7480 *Adolphia infesta* (HBK) Meissn.
- 7481 *Eriogonum Wrightii* Torr.
- 7482 *Gnaphalium* sp.
- 7483 *Phaseolus heterophyllus* Willd.
- 7484 *Galinsoga parviflora* Cav.
- 7485 *Perymenium*
- 7486 *Zornia diphylla* (L.) Pers.
- 7487 *Desmodium procumbens*
- 7488 *Cyperus spectabilis* Link
- 7489 *Stevia* sp.
- 7490 *Eupatorium scorodonioides* Gray
- 7491 *Atriplex muricata* H.&B.
- 7492 *Zaluzania triloba* (Ort.) Pers.
- 7493 *Carex*
- 7494 *Viguiera cordifolia* Gray - (Blake)
- 7495 *Bacopa procumbens* (Miller) Greenm.
- 7496 *Spergularia mexicana* Hemsl.
- 7497 *Oxalis Wrightii* Gray
- 7498 *Polygala compacta* Rose
- 7499 *Cordia glauca* Hemsl.
- 7500 *Bouquetia anomala* Britt. & Rusby.
- 7501 *Cardionema multicaulis* DC.

S. Luis Potosi -- Matehuala

S. Luis Potosi

- 7502 *Coldenia canescens* DC.
- 7503 *Nama Palmeri* Gray Hitche.
- 7504 *Synthlipsis Greggii* Gray Rollins
- 7505 *Karwinskia mollis* Schlecht.
- 7506 *Coldenia Purpusii* Brandg.
- 7507 *Gutierrezia eriocarpa* Gray
- 7508 *Maytenus phyllanthoides* Benth.
- 7509 *Nerisyrenia linearifolia* (Wats.) Greene Rollins
- 7510 *Nama canescens* Hitche. TYPE Hitche.
- 7511 *Euphorbia* sp.
- 7512 *Condalia fasciculata* Jtn.
- 7513 *Drymaria lyrapetala* Johnston
- 7514 *Dicranocarpus parviflorus* Gray
- 7515 *Flaveria anomala* Robins.
- 7516 *Dalea filiciformis* Rob. & Greenm.
- 7517 *Atriplex muricata* H.&B.
- 7518 *Flaveria anomala* Robins.
- 7519 *Zaluzania Robinsonii* Sharp
- 7520 *Bahia absinthifolia* Benth.
- 7521 *Gutierrezia eriocarpa* Gray
- 7521A *G. Berlandieri* Gray)mixture

- 7522 Chamaesaracha
- 7523 Cuscuta
- 7524 Flaveria anomala Robins.
- 7525 Nerisyrenia linearifolia (Wats.) Greene Rollins
- 7526 Dyssodia setifolia (Lag.) Robins.
- 7527 - 7566 omitted
- 7567 Sartwellia humilis nsp.
- 7568 Bursera fagaroides (HBK) Engl.
- 7569 Leucophyllum ambiguum H.&B.
- 7570 Acacia constricta Benth.
- 7571 Bauhinia aff. Purpusii (B.&R.) Lundell.
- 7572 Heliotropium angustifolium Torr.
- 7573 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon transitional CAW
- 7574 Stenophyllus capillaris (L.) Britt.
- 7575 Coldenia Purpusii Brandg.
- 7576 Dalea tuberculata Lag.
- 7577 Cuphorbia cinerascens Eng. det. W.
- 7578 Dyssodia pinnata (Cav.) Robins.
- 7579 Kurwinskia mollis Schlecht.
- 7580 Gerardia Greggii Wats. *Makuluwa north to Durango line.*
- 7581 Lepidium montanum Nutt. var. alyssoides (Gray) Jones Rollins
- 7582 Flaveria oppositifolia (DC) Rydb.
- 7583 Nerisyrenia linearifolia (Wats.) Greene Rollins
- 7584 Nama canescens Hitchc. Hitchc.
- 7585 Dalea filiciformis Rob. & Greenm.
- 7586 Ephedra pedunculata Engelm.
- 7587 Lycium Berlandieri Dunal.
- 7588 Dicranocarpus parviflorus Gray
- 7589 Polygala alba Nutt. var. tenuifolia (Pursh) Blake
- 7590 Dyssodia acerosa DC.
- 7591 Castilleja lanata Gray
- 7592 Bouteloua gracilis (HBK) Lag. Chase
- 7593 Condalia fasciculata nsp.
- 7594 Drymaria lyrapetala nsp.
- 7595 Bahia aristata Rydb.
- 7596 Aplopappus spinulosus (Pursh.) DC.
- 7597 Viguiera dentata (Cav.) Spreng. (Blake)
- 7598 Atriplex obovata Moq.
- 7599 Atriplex obovata Moq.
- 7600 Atriplex acanthocarpa forma (= A. Pringlei Standl.?)
- 7601
- 7602 Atriplex = 7600
- 7603 Suaeda fruticosa (L.) Forsk.
- 7604 Aplopappus venetus (HBK) Blake
- 7605 Lycium modestum nsp. TYPE
- 7606 Flourensia cernua DC.
- 7607 Selloa glutinosa Spreng
- 7608 Buddlejia scordioides HBK
- 7609 Muhlenbergia repens (Presl.) Hitchc. Chase
- 7610 Lycium nsp. (aff. L. californicum)
- 7611 Lycium leiospermum nsp. TYPE
- 7612 Atriplex canescens (Pursh.) Nutt.
- 7613 Baccharis neglecta Britt.

- 7614 *Frankenia gypsophila* nsp.
7615 *Muhlenbergia Thurberi* Rydb. Chase
7616 *Nerisyrenia linearifolia* (Wats.) Greene Rollins
7617 *Atriplex abata* nsp. (TYPE)
7618 *Peganum mexicanum* Gray
7619 *Suaeda fruticosa* (L.) Forsk.

boundary north to Saltillo

Coahuila

- 7620 *Dyssodia tenuifolia* (Cass.) Loes.
7621 *Zinnia pumila* Gray -- (Blake)
7622 *Castilleja lanata* Gray
7623 *Iva dealbata* Gray
7624 *Zaluzania Robinsonii* Sharp
7625 *Viguiera dentata* (Cav.) Spreng.
7626 *Perezia Wrightii* Gray
7627 *Flourensia cernua* DC.
7628 *Verbesina*
7629 *Aplopappus spinulosus* (Pursh) DC
7630 *Candelia Lloydii* Standley
7631 *Lycium Berlandieri* Donal
7632 *Citharexylum brachyanthum* Gray
7633 *Nama hispidum* Gray forma Hitchc.
7634 *Sartwellia humilis* nsp.
7635 *Tidestromia lanuginosa* (Nutt) Standl.
7636 *Aplopappus spinulosus* (Pursh.) DC.
7637 *Lepidium montanum* Nutt. var. *alyssoides* (Gray) Jones Rollins
7638 *Nerisyrenia linearifolia* (Wats.) Greene Rollins
7639 *Solanum triquetrum* Cav.
7640 *Solanum triquetrum* Cav.
7641 *Dicranocarpus parviflorus* Gray
7642 *Muhlenbergia Thurberi* Rydb. Chase
7643 *Euphorbia* cf. *stictospora* Engelm. Wheeler
7644 *Oenothera Hartwegi* Benth. *typica*
7645 *Gaura cocclinea* Nutt var. *parviflora* (Torr.) T.&G.
7646 *Theosperma scabridulum* Blake -- (Blake)
7647 *Flaveria anomala* Robins.
7648 *Atriplex abata* nsp.
7649 *Atriplex obovata* Moq.
7650 *Suaeda fruticosa* (L.) Forsk.
7651 *Coldenia Purpusii* Brandg.
7652 *Eurotia lanata* (Pursh.) Moq.
7653 *Dysodia papposa* (Vent.) Hitch.
7654 *Orobanche* sp.
7655 *Flourensia cernua* DC.
7656 *Villadia cucullata* Rose (crassulaceae)

Saltillo -- Tareon highway (to Parras)

Coahuila

- 7657 *Viguiera stenoloba* Blake -- (Blake)
7658 *Euphorbia cinerascens* Eng.¹ det. W.
7659 *Phyllanthus polygonoides* Nutt det. W.¹
7660 *Notholaena Aschenborniana* Kl. CAW
7661 *Evolvulus Purpusii* v. Oostr.
7662 *Heliotropium angustifolium* Torr.
7663 *Menodora helianthemoides* H.&B. var. *Engelmanii* Steyerl.
7664 *Mimosa zygophylla* Benth.
7665 *Palafoxia texana* DC.
7666 *Atriplex acanthocarpa* (Torr.) Wats.
7667 *Polygala macrodenia* Gray
7668 *Nerisyrenia camporum* (Gray) Greene Rollins
7669 *Dyssodia acerosa* DC.
7670 *Coldenia mexicana* Wats.
7671 *Mimosa Emoryana* Benth.
7672 *Euphorbia* sp. det. W.
7673 *Euphorbia serrula* Eng.¹ det. W.
7674 *Euphorbia cinerascens* Eng. det. W.¹
7675 *Euphorbia stictospora* Eng. det. W.¹
7676 *Zexmenia brevifolia* Gray -- (Blake)
7677 *Krameria Grayi* Rose & Painter
7678 *Pectis angustifolia* var. *subaristata* Gray
7679 *Coldenia Greggii* (T.&G.) Gray
7680 *Chaetopappa* sp.
7681 *Buddleja marrubiifolia* Benth.
7682 *Viguiera stenoloba* Blake -- (Blake)
7683 *Parthenium argentatum* Gray
7684 *Drymaria pachyphylla* Woot & Standl.
7685 *Ditaxis neomexicana* var. ¹ det. W.
7686 *Nicolletia Edwardsii* Gray
7687 *Coldenia mexicana* Wats.
7688 *Heliotropium Greggii* Torr.
7689 *Gutierrezia eriocarpa* Gray
7690 *Aplopappus trianthus* Blake -- (Blake)
7691 *Euphorbia serrula* Eng.¹ det. W.
7692 *Euphorbia serpens* HBK det. W.
7693 *Euphorbia serpens* HBK det. W.¹
7694 *Euphorbia cinerascens* Eng.¹ det. W.
7695 *Atriplex acanthocarpa* (Torr.) Wats.
7696 *Nerisyrenia camporum* (Gray) Greene Rollins
7697 *Bouteloua breviseta* Vasey Chase
7698 *Lycium Berlandieri* Dunal
7699 *Selinocarpus angustifolius* Torr.
7700 *Psathyrotes Purpusii* Brandg.
7701 *Anulocaulis eriosolenus* (Gray) Standley

Parras to Peña, Viesca

Coahuila

- 7702 *Atriplex acanthocarpa* (Torr.) Wats.
7703 *Baccharis glutinosa* Pers.
7704 *Flaveria trinervia* (Spreng.) Mohr.
7705 *Sartwellia mexicana* Gray
7706 *Condalia vividis* Jtn. var.
7707 *Heterotheca Lamarckii* Cass
7708 *Funastrum lineare* (Don) Macbr. var.
7709 *Varilla mexicana* Gray
7710 *Metastelma barbigerum* Scheele
7711 *Acacia constricta* Benth.
7712 *Lippia Wrightii* Gray
7713 *Lycium Berlandieri* Dunal
7714 *Trixis radialis* (L.) Kuntze
7715 *Euphorbia exstipulata* Eng.¹ det. W.
7716 *Janusia gracilis* Gray
7717 *Mentzelia pachyrhiza* nsp.
7718 *Gilia rigidula* Benth.
7719 *Suaeda Palmeri* Standley
7720 *Ditaxis neomexicana* (Mill) Heller¹ det. W.
7721 *Leucophyllum minus* Gray
7722 *Vigulera stenoloba* Blake -- (Blake)
7723 *Colubrina texensis* (T&G) Gray
7724 *Acacia crassifolia* Gray
7725 *Euphorbia* sp.
7726 *Echinopterys setosa* Brandg.
7727 *Nerisyrenia camporum* (Gray) Greene Rollins
7728 *Aplopappus trianthus* Blake
7729 *Euphorbia nicromeris* Boiss Wheeler
7730 *Aplopappus Hartwegi* (Gray) Blake?
7731 *Grindelia oxylepis* Greene
7732 *Atriplex monilifera* Wats.
7733 *Allenrolfea occidentalis* (Wats.) Kuntze
7734 *Frankenia grandiflora* C.&S. var. campestris Gray
7735 *Helianthus ciliaris* DC. -- (Blake)
7736 *Oscuta truxillensis* HBK.
7737 *Allenrolfea occidentalis* (Wats.) Kuntze
7738 *Atriplex acanthocarpa* (Torr.) Wats.
7739 *Suaeda suffrutescens* Wats.
7740 *Nama Johnstonii* Hitchc. nsp. (TYPE) Hitchc.
7741 *Carlowrightia serpyllifolia* Gray
7742
7743 *Cheilanthes horridula* Maxon CAW
7744 *Notholaena Standleyi* Maxon CAW very yellow indument
7745 *Cheilanthes leucopoda* Link & Heliotrop. *angustifolia*
7746 *Aristolochia brevipes* Benth.
7747 *Vigulera*

Bermejillo to Palmito Dam.

Durango

- 7748 *Dyssodia Berlandieri* (DC) Blake
7749 *Kallstroemia grandiflora* Torr.
7750 *Cordia Greggii* Torr.
7751 *Chamaesaracha villosa* Rydb.
7752 *Pectis angustifolia* var. *subaristata* Gray
7753 *Nerisyrenia camporum* (Gray) Greene Rollins
7754
7755 *Florestina tripteris* DC.
7756 *Dyssodia Hartwegii* (Gray) Robins.
7757 *Zexmenia brevifolia* Gray (Blake)
7758 *Nerisyrenia camporum* (Gray) Greene (Rollins)
7759 *Eysenhardtia*
7760 *Helictropium angustifolium* Torr.
7761 *Mascagnia sericea* (Engelm.) Niedenz.
7762 *Coldenia hispidissima* (T.&G.) Gray forma
7763 *Antiphytum floribundum* (Torr.) Gray
7764 *Zexmenia brevifolia* Gray (Blake)
7765 *Viguiera brevifolia* Greenm. (Blake)
7766 *Salvia belloptaeflora* Benth.
7767 *Dyssodia cancellata* Cav.
7768 *Dalea Greggii* Gray
7769 *Brogniartia* sp.
7770 *Acalypha hederacea* Torr. ¹ det. W.
7771 *Vauquelinia californica* (Torr.) Sarg.
7772 *Verbesina*
7773 comp.-Helen. Bahia? new!
7774 *Aplopappus gymnocephalus* ??
7775 *Viguiera cordifolia* Gray — (Blake)
7776 *Heterosperma pinnatum* Cav. det. Blake
7777 *Pinaropappus roseus* Less.
7778 *Perymenium*
7779 *Euphorbia stictospora* Eng. ¹ det. W.
7780 *Euphorbia indivisa* (Eng.) Tidestr. det. W.
7781 *Leucophyllum laevigatum* Standley
7782 *Dalea lachnostachys* Gray
7783 *Halliophyllum fasciculatum* (Wats.) Jtn.

Bermejillo to Zaragoza & Mojovano

Durango

- 7784 *Atriplex obovata* Moq.
7785 *Trianthema Portulacastrum* L.
7786 *Eragrostis arida* Hitchc. Chase
7787 *Sporobolus pyramidatus* (Lam.) Hitchc. Chase
7788 *Hilaria mutica* (Buckl.) Benth. Chase
7789 *Condalia lycioides* Gray
7790 *Drymaria pachyphylla* W&S
7791 *Sida hederacea* Torr.
7792 *Notholaena sinuata* (Lag.) Kaulf. var. *crenata* Lemmon CAW
7793 *Cheilanthes horridula* Maxon CAW
7794 *Ditaxis neomexicana* (Müll) Heller det. W.

- 7795 *Nicolletia Edwardsii* Gray
7796 *Pectis angustifolia* var. *subaristata* Gray
7797 *Sphaeralcea hastulata* Gray
7798 *Coldenia hispidissima* (T&G) Gray
7799 *Aplopappus trianthus* Blake
7800 *Euphorbia* sp. det. W.
7801 *Euphorbia* sp. det. W.

Mojovano to Estanque Stat. (via Lag. del Rey)

Coahuila

- 7802 *Heliotropium Greggii* Torr.
7803 *Heliotropium* sp. (= *Tournefortia Monclovana* Wats.)
7804 *Coldenia hispidissima* (T&G) Gray
7805 *Dicranocarpus parviflorus* Gray
7806 *Euphorbia scopulorum* Brandg. det. W.
7807 *Selinocarpus Purpusianus* Hiemerl.
7808 *Petalonyx crenatus* Gray
7809 *Euphorbia Wrightii* T&G det. W.
7810 *Fouquieria splendens* Engelm.
7811 *Mentzelia multiflora* (Nutt.) Gray
7812 *Nana stenophyllum* Gray Hitchc.
7813 *Anulocaulis eriosolenus* (Gray) Standley
7814 *Nerisyrenia camporum* (Gray) Greene Rollins
7815 *Fouquieria Shrevei* nsp.
7816 *Cottea papporoides* Kunth Chase
7817 *Euphorbia exstipulata* Eng.¹ det. W.
7818 *Sartwellia mexicana* Gray
7819 *Varilla mexicana* Gray
7820 *Lycium puberulum* Gray
7821 *Zinnia oligantha* nsp.
7822 *Tidestromia tenella* nsp.
7823 *Drymaria grandis* nsp.
7824 *Pectis incisifolia* nsp. TYPE
7825 *Aster* nsp.

Lag. Palomas - Escalon - Jimenez

Chihuahua

- 7826 *Polypteris sphacelata* (Nutt.) Treal.
7827 *Pectis incisifolia* Johnston nsp.
7828 *Zexmenia brevifolia* Gray -- (Blake)
7829 *Heliotropium convolvulaceum* (Nutt.) Gray
7830 *Dithyrea Wislezeni* Engelm. Rollins
7831 *Heliotropium* sp. annual herb
7832 *Acacia cuspidata* Schl.
7833 *Viguiera brevifolia* Greenm. - Blake
7834 *Polanisia uniglandulosa* (Cav.) DC.

- 7835 Halliophytum fasciculatum (Wats.) Jtn.
7835 Bahia glandulosa Greenm.
7836 Pectis Pringlei Fernald
7837 Pectis filipes Harv. & Gray
7838 Heliotropium confertifolium Torr.
7839 Dyssodia polychaeta (Gray) Robins.
7840 Hibiscus denudatus Benth.
7841 Drymaria polycarpoides Gray
7842 Dicranocarpus parviflorus Gray
7843 Phacelia integrifolia Torr. var.
7844 Sartwellia mexicana Gray
7845 Nerisyrenia camporum (Gray) Greene Rollins

Jimenez - Camargo (via

Chihuahua

- 7846 Gutierrezia eriocarpa Gray
7847 Salvia bellotaeflora Benth.
7848 Aplopappus sp?
7849 Houstonia polyprenoides Gray
7850 Pnyllanthus polygonoides Nutt.¹ det. W.
7851 Euphorbia cinerascens Eng.¹ det. W.
7852 Pectis angustifolia var. subarestata Gray
7853 Notholaena sinuata (Lag.) Kaulf var. crenata Lennan CAW
7854 Pellaea microphylla Mett. CAW
7855 Acacia vernicosa Standl.
7856 Dyssodia fastigiata DC.
7857 Dyssodia polychaeta (Gray) Robins.
7858 Dyssodia polychaeta (Gray) Robins.
7859 Eriogonum Wrightii Torr.
7860 Dyssodia fastigiata DC.
7861 Florestina tripteris DC.
7862 Euphorbia albomarginata T&G det. W.¹
7863 Panicum fasciculatum var. reticulatum (Torr.) Beal Chase
7864 Bahia glandulosa Greenm.
7865 Cassia leptadenia Greenm.
7866 Panicum hirticaule Presl. det. Chase
7867 Polanisia uniglandulosa (Cav.) DC.
7868 Comp.-Helianth.
7869 Artemisia Pringlei Greenm.
7870 Talinum aurantiacum Engelm.
7871 Quamoclit coccinea (L.) Moench.
7872 Dalea lachnostachys Gray
7873 Pectis filipes Harv. & Gray
7874 Euphorbia revoluta Engelm. det. W.
7875 Bouteloua eriopoda Torr. Chase
7876 Pappophorum Wrightii Wats. Chase
7877 Selloa glutinosa Spreng.
7878 Bouteloua gracilis (HBK) Lag. Chase
7879 Andropogon barbinodis Lag. Chase
7880 Notholaena Grayi Davenp.
7880 AN. sinuata var. crenata CAW

- 7881 *Acalypha neomexicana* Mull. Arg. det. W.
7882 *Nicolletia Edwardsii* Gray
7883 *Physalis lobata* Torr.
7884 *Jatropha macrorhiza* var. *septemifida* Eng.¹ det. W.
7885 *Euphorbia stictospora* Eng.¹ det. W.
7886 *Euphorbia serpens* HBK.¹ det. W.
7887 *Sphaeralcea angustifolia* (Cav.) Don.
7888 *Simsia*
7889 *Anoda Thurberi* Gray

Camargo -- Mesteñas

Chihuahua

- 7890 *Aster tanacetifolius* HBK.
7891 *Eriogonum Abertianum* Torr.
7892 *Crotalaria pumila* Ort.
7893 *Zexmenia brevifolia* Gray -- (Blake)
7894 *Janusia gracilis* Gray
7895 *Notholaena Standleyi* Maxon CAW
7896 *Notholaena aurea* (Poir.) Desv. CAW
7897 *Euphorbia hyssopifolia* L. det. W.
7898 *Bidens leptoccephala* Sherff.
7899 *Desmodium procumbens*
7900 *Elytraria imbricata* (Vahl) Pers.
7901 *Lesquerella purpurea* (Gray) Wats. Rollins
7902 *Notholaena Grayi* Davenp. CAW
7903 *Cheilanthes Wrightii* Hook
7903 *A. C. horridula* Maxon CAW
7904 *Bouteloua aristidoides* (HBK) Griseb. Chase
7904 *A. Desmodium procumbens*
7905 *Nicolletia Edwardsii* Gray
7906 *Solanum* (prickley herb., fl. blue)
7907 *Aster tanacetifolius* HBK
7908 *Pectis papposa* Gray
7909 *Selloa glutinosa* Spreng.
7910 *Euphorbia exstipulata* Eng.¹ det. W.
7911 *Euphorbia cuphosperma* det. W.
7912 *Abutilon incanum* Sweet
7913 *Ayenia pusilla* L. var.
7914 *Tetramerium hispidum* Nees.
7915 *Polygala obscura* Benth ?
7916 *Abutilon crispum* (L.) Don
7917 *Euphorbia arizonica* Engelm. det. W.
7918 *Nissolia Pringlei* Rose ?
7919 *Froelichia* sp.
7920 *Perityle trisecta* Rydb.
7921 *Euphorbia exstipulata* Eng.¹ det. W.
7922 *Anthericum Torreyi* Baker
7923 *Notholaena sinuata* (Lag.) Kaulf. CAW
7924 *Cheilanthes Lindheimeri* Hook. CAW
7925 *Euphorbia micromeris* Boiss Wheeler

- 7926 *Mollugo verticillata* L.
7927 *Euphorbia* sp.
7928 *Euphorbia serrula* Eng.¹ det. W.
7929 *Eragrostis diffusa* Buckl. unicate det. Chase
7930 *Boerhaavia* sp.
7931 *Euphorbia capitellata* Eng. det. W.
7932 comp.- *helianth.*
7933 *Gutierrezia Sarothrae* (Pursh) Britt.&Rusby
7934 *Verbesina encelioides* B.&H. --- (Blake)
7935 *Xanthocephalum gymnospermoides* (Gray) B.&H.
7936 *Verbesina*
7937 *Bouteloua eriopoda* Torr. Chase
7938 *Muhlenbergia arenicola* Buckl. Chase
7939 *Aplopappus spinulosus* (Pursh) DC
7940 *Euphorbia serrula* Eng.¹ det. W.
7941 *Euphorbia* sp. det. W.
7942 *Bahia glandulosa* Greenm.
7943 *Aster Leucalene* Blake
7944 *Viguiera dentata* (Cav.) Spreng --- (Blake)
7945 *Gaillardia comosa* Gray?
7946 *Aphanostephus humilis* Gray?
7947 *Dyssodia polychaeta* (Gray) Robins.
7948 *Pectis angustifolia* var. *subaristata* Gray

Mestenas -- Ojinaga on Rio Grande

Chihuahua

- 7949
7950 *Eriogonum Wrightii* Torr.
7951 *Pectis prostrata* Cav.
7952 *Euphorbia serrula* Eng.¹ det. W.
7953 *Euphorbia* sp. det. W.
7954 *Euphorbia indivisa* (Eng.) Tidestr. det. W.
7955 *Quercus* sp.
7956 *Schkuhria anthemoides* (DC) Coult
7957 *Viguiera dentata* (Cav.) Spreng --- Blake
7958 *Tridax*
7959 *Melampodium leucanthum* T&G
7960 *Houstonia rubra* Cav.
7961 *Dyssodia polychaeta* (Gray) Robins.
7962 *Dyssodia Berlandieri* (DC) Blake
7963 *Zinnia grandiflora* Nutt --- (Blake)
7964 *Dalea Lemmonii* Gray
7965 *Gaillardia pinnatifida* Torr.
7966 *Berlandiera lyrata* Benth.
7967
7968 *Gaillardia linearis* Rydb.
Eryngium Wrightii Gray
7969 *Pectis angustifolia* var. *subaristata* Gray
7970 *Aphanostephus humilis* Gray ?
7971 *Bouteloua Parryi* (Fourn.) Griffiths Chase

- 7972 *Amaranthus Pringlei* Wast
7972 A. *Amaranthus* sp.
7973 *Froelichia gracilis* (Hook) Moq.
7974 *Salvia leptophylla* Benth.
7975 *Hymenoclea monogyra* Gray
7976 *Lepidium lasiocarpum* Nutt. Rollins
7977 *Gymnopteris hispida* (Metl.) Underw. CAW
7978 *Cheilanthes* CAW
7979 *Notholaena Standleyi* Maxon white indument CAW
7980 *Cheilanthes aurea* (Poir.) Desv. CAW
7981 *Euphorbia serrula* Eng.¹ det. W.
7982 *Euphorbia* sp. det. W.
7983 *Bahia absinthifolia* Benth.
7984
7985 *Cheilanthes Wrightii* Hook CAW
7986 *Aristolochia brevipes* Benth.
7987 *Euphorbia cinerascens* Eng. det. W.
7988 *Plumbago scandens* L.
7989 comp.-*Helianth.*
7990 *Panicum obtusum* HBK unicate
7991 *Euphorbia albomarginata* T&G det. W.¹
7992 *Panicum hirticaule* Presl.
7993 *Bartlettia scaposa* Gray
7994 *Euphorbia* sp. det. W.
7995 *Euphorbia serrula* Eng.¹ det. W.
7996 *Synthleipsis Greggii* Gray Rollins
7997 *Euphorbia cinerascens* Eng.¹ det. W.
7998 *Heliotropium angustifolium* Torr.
7999

Determinations by Prof. A. S. Hitchcock Jan. 1927.

Ivan M. Johnston.

Jan. 14, 1927.

- ✓4917. *Cortaderia speciosa* Stapf
✓4874. " "
✓6077. *Catabrosa latifolia* Phil.
✓6200. " "
✓5807. *Distichlis spicata* (L.) Greene
✓3699. " "
5798. *Eragrostis attenuata* Hitchc.
✓5290. " "
✓5404. " "
✓5229. " "
3538. " "
✓3537. " *peruviana* (Jacq.) Trin.
✓5575. " "
✓5291. " "
✓5406. " "
✓5730. *Poa bonariensis* Kunth
✓5627. " "
✓5474. " "
✓5405. " "
✓5801. " "
✓6024. " *scaberula* Hook.
✓6081. *Puccinellia frigida* (Phil.) (Catabrosa Phil.)
✓6198. " "
✓6140. " "

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- ✓5232. *Festuca megalura* Nutt.
- ✓5727. " *australis* Nees
- ✓5403. " *lasiorrhachis* Pilger
- ✓6222. " *rigescens* (Presl) Kunth
- ✓4916. " "
- ✓6138. " "
- ✓6139. " "
- ✓6076. " "
- ✓5728. " *dolichophylla* Presl
- ✓5230. *Bromus trinii* Desv.
- ✓6126. " *macranthus* Mey.
- ✓6002. " "
- ✓5410. *Elymus agropyroides* Presl
- 5292. " "
- ✓5913. *Hordeum chilense* Brogn.
- ✓5005. *Imperata brasiliensis* Trin.
- ✓5799. *Paspalum vaginatum* Swartz
- ✓5006. *Cenchrus myosuroides* H.B.K.
- ✓5206. *Nassella chilensis* (Trin.) Desv.
- ✓5731. " *pubiflora* (Trin. & Rupr.) Desv.
- ✓5408. " "
- ✓5628. " "
- ✓5231. " "

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- ✓6080. *Calamagrostis curvula* (Wedd.) Pilger
✓6223. " " "
✓6197. " " "
✓6028. " " "
✓5007. *Polypogon elongatus* H.B.K.
✓4856. " *lutosus* (Poir.) Hitchc.
✓5800. " " "
✓6096. *Deschampsia andina* Phil.
✓6079. " " "
✓5962. " " "
✓6097. *Trisetum spicatum* (L.) Richt.
✓5539. " " "
✓5407. " " "
5541. *Koeleria trachycantha* R. A. Phil.
✓5802. " " "
✓5732. *Stipa tortuosa* Desv.
✓5805. " " "
✓4803. " " "
✓4804. " " "
✓5117. " " "
✓5116. " " "
✓5540. " " "
✓5551. " " "
✓5062. " " "

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- ✓6078. *Stipa speciosa* Trin. & Rupr.
✓4947. " "
✓4931. " "
✓4891. " "
✓6003. " "
✓5806. " "
✓5409. " "
✓5733. " "
✓6095. " "
✓6188. " *humilis* Cav.
✓5004. " *neesiana* Trin. & Rupr.
✓5629. " *plumosa* Trin.
4805. " "
✓5803. " "
✓5804. " "
✓4802. " "
✓5599. " "
✓3579. " *annua* Mez
✓6127. " *pogonathera* Desv.
✓3582. " *plumosa* Trin.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

DIVISION OF
PLANT EXPLORATION AND INTRODUCTION

January 19, 1939

Dr. Ivan Johnston,
The Arnold Arboretum,
Harvard University,
Jamaica Plain, Mass.

Dear Doctor Johnston:

Enclosed is the list of names of the grasses received from you some time ago. We are delighted to have these grasses. No. 7132 is a species new for North America. I have referred it tentatively to *Sporobolus phleoides* Hack. from Cordoba, Argentina. The type of this in the Hackel Herbarium consisted of three panicles only, not a leaf present. It is a Stuckert specimen and I understand the Stuckert grasses sent to Hackel were all returned to him except the fragments that Professor Hackel kept. The Stuckert grasses were deposited ^{stored} in the Delessert Herbarium in Geneva, but when I was there in '22 Dr. Briquet said that Stuckert had left strict orders that the cases were not to be opened. The panicle and spikelets are very like yours, but two collections from Argentina with the same kind of panicle have a base somewhat different from yours. In any case it is a wonderful find. The species will be worked out definitely for your Flora.

No. 7358 is an over mature specimen of *Bouteloua* that does not fall into any species of *Bouteloua*. Mr. Swallen has done the Chlorideae for the North American Flora and has *Bouteloua* well in mind. He hesitated to send this in as an addition to his manuscript because the specimens are well past maturity. We hope on your next trip that you may be able to collect this species again.

I was delighted to see *Muhlenbergia repens* from Mexico. The type was collected in Mexico, and, so far as we know, the species has never since been found south of the United States.

You see what a thrilling lot of grasses you sent us. We are eagerly awaiting results of your next trip.

Sincerely yours,

Agnes Chase

Agnes Chase, Senior Botanist

Office address: Smithsonian Institution

Text 7

Mexican Grasses (1938)

Collector: Ivan M. Johnston

Place: Mexico

Date: Jan. 17, 1939

det Chase

- ✓7010. *Sporobolus wrightii* Munro
- ✓7017. *Triodia texana* S. Wats.
- ✓7041. " *albescens* Vasey
- ✓7043. *Aristida adscensionis* L.
- ✓7047. *Pappophorum bicolor* Fourn.
- ✓7091. *Triodia mutica* (Torr.) Scribn. = no 7110 not reported by Chase
- ✓7117. *Bouteloua barbata* Lag.
- ✓7132. *Sporobolus phleoides* Hack.?
- ✓7133. " *airoides* (Torr.) Torr.
- ✓7170. *Panicum hallii* Vasey
- ✓7171. *Bouteloua trifida* Thurb.
- ✓7172. *Muhlenbergia porteri* Scribn.
- 7174. *Triodia mutica* (Torr.) Scribn.
- ✓7200. *Bouteloua breviseta* Vasey
- ✓7249. " *hirsuta* Lag.
- ✓7250. *Lycurus phleoides* H.B.K.
- ✓7251. *Hilaria cenchroides* H.B.K.
- ✓7252. *Triodia acuminata* H.B.K.
- ✓7288. *Muhlenbergia dubia* Fourn.
- ✓7289. " *rigida* (H.B.K.) Kunth
- ✓7290. *Sitanion hystrix* (Nutt.) J. G. Smith
- ✓7291. *Aristida curvifolia* Fourn.
- ✓7296. *Stipa tenuissima* Trin.

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- ✓7297. *Stipa neomexicana* (Thurb.) Scribn. 2nd collection from south of U. S.;
the other received recently
- ✓7298. " *eminens* Cav.
- ✓7299. *Bouteloua uniflora* Vasey (second from Mexico)
- ✓7303. *Stipa editorum* Fourn.
- ✓7304. *Muhlenbergia arenicola* Buckl.
- ✓7305. " *thurberi* Rydb.
- ✓7307. *Triodia pulchella* H.B.K.
- ✓7358. *Bouteloua* possibly new
7361. *Stipa editorum* Fourn. ~~a panicle of *S. eminens* & many florets~~
of that on the sheet (note in other duplicate
of this collection
S. eminens has more open
panicle, larger fruits, longer awns)
- ✓7362. *Sporobolus wrightii* Munro
- ✓7371. *Leptochloa dubia* (H.B.K.) Nees
- ✓7372. *Bouteloua gracilis* (H.B.K.) Lag.
- ✓7373. *Muhlenbergia arenicola* Buckl.
- ✓7374. *Aristida hamulosa* Henr.
- ✓7399. *Andropogon perforatus* Trin.
- ✓7418. *Muhlenbergia tenuifolia* (H.B.K.) Kunth
- ✓7419. *Panicum obtusum* H.B.K.
- ✓7427. *Sporobolus pyramidatus* (Lam.) Hitchc.
- ✓7428. *Buchloë dactyloides* (Nutt.) Engelm.
- ✓7429. *Leptochloa fascicularis* (Lam.) A. Gray
- ✓7457. *Aristida barbata* Fourn.
- ✓7460. *Eragrostis diffusa* Buckl.
- ✓7461. *Bouteloua simplex* Lag.
- ✓7592. " *gracilis* (H.B.K.) Lag.
- ✓7609. *Muhlenbergia repens* (Presl) Hitchc. the long-awaited collection
from Mexico, whence described. Not since found there until
this.

3--Ivan M. Johnston

- ✓7615. *Muhlenbergia thurberi* Rydb.
- ✓7642. " "
- 7697. *Bouteloua breviseta* Vasey
- ✓7786. *Eragrostis arida* Hitchc.
- ✓7787. *Sporobolus pyramidatus* (Lam.) Hitchc.
- ✓7788. *Hilaria mutica* (Buckl.) Benth.
- ✓7816. *Cottea papporoides* Kunth
- ✓7863. *Panicum fasciculatum* var. *reticulatum* (Torr.) Beal
- ✓7875. *Bouteloua eriopoda* (Torr.) Torr.
- ✓7876. *Pappophorum wrightii* S. Wats.
- ✓7878. *Bouteloua gracilis* (H.B.K.) Lag. 2
- ✓7879. *Andropogon barbinodis* Lag.
- ✓7904. *Bouteloua aristidoides* (H.B.K.) Griseb.
- ✓7937. " *eriopoda* (Torr.) Torr.
- ✓7938. *Muhlenbergia arenicola* Buckl.
- ✓7971. *Bouteloua parryi* (Fourn.) Griffiths
- ✓7992. *Panicum hirticaule* Presl

Nov. 10, 1938.

Mexican Ferns

I. M. Johnston

- 7092 Cheilanthes horridula Maxon
7167 Notholaena Schaffneri (Fourn.) Underw.
7205 " candida (Mart. & Gal.) Hook.
7206 Pellaea microphylla Mett.
7207 Cheilanthes horridula Maxon
7208 Selaginella Wrightii Hieron.
7209 Notholaena Aschenborniana Kl.
7235 " sinuata (Lag.) Kaulf. var. crenata Lemmon
7236 Selaginella lepidophylla (H. & G.) Spring
7269 Notholaena limitanea Maxon var. mexicana Maxon
7270 Cheilanthes Eatonii Baker
7573 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon (transitional)
7660 " Aschenborniana Kl.
7743 Cheilanthes horridula Maxon
7744 Notholaena Standleyi Maxon with very yellow indument
7745 Cheilanthes leucopoda Link
7792 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon
7793 Cheilanthes horridula Maxon
7853 Notholaena sinuata (Lag.) Kaulf. var. crenata Lemmon
7854 Pellaea microphylla Mett.
7880 Notholaena Grayi Davenp.
7880a " sinuata (Lag.) Kaulf. var. crenata Lemmon
7895 " Standleyi Maxon
7896 " aurea (Poir.) Desv.
7902 " Grayi Davenp.
7903 Cheilanthes Wrightii Hook.
7903a " horridula Maxon
7923 Notholaena sinuata (Lag.) Kaulf.
7924 Cheilanthes Lindheimeri Hook.
7977 Gymnopteris hispida (Mett.) Underw.
7978 Cheilanthes -----
7979 Notholaena Standleyi Maxon with white indument
7980 " aurea (Poir.) Desv.
7985 Cheilanthes Wrightii Hook.