

- 460 *Dragia cespitosa* ^{Stylaris Muell.} Hermitage Rucker val
 1 - Croton - ?
 2 - *Diodia tenuis*, var. ^{other} Apache Psp.
 3 *Gomphrena nitida* & var. *rosea*.
 4 *Chenopodium cornutum*, B.H.H.
 5 *Amarantes Palmeri* - many
 6 *Baerbaaria purpureocar.*
 7 " *Pterocarpa*, n.sp.
 8 " " "
 9 2 *Caylabus coecus* Plains near " "
 10 " ^{Anagallis folius, fruct.} *Plumbago*, n. sp. "
 470 17 *Baerbaaria erecta*, var. "
 2 " "
 3 *Nierembergia* = 488 = ^{sensu} *b. incisa*, var. *oblongifolia*, Gray "
 4 *Eriogonum elatum* ^{var.} Hermitage. Rucker val
 5 " *Abertianum* ^{var.} Black Mt., Apache P.
 6 " ^{Juncifolius} ^{var.} *Aromelia* ^{Black Mt.} Gray "
 7 " ^{Strobilifer} - pretty thing is this so
 like a gigantic *Spiranthes*. Plant 1-2 ft.
 8 high. lvs. bright green, fls. greenish yellow
 482 turned one side. Rare - in Hermitage of
 Rucker val. just in flower. Sep. L.E.
 First detected by Ward Lemoine
 478 Allium ^{campanulatum} Mts. S. of Apache Psp.
 9 *Hesperantha Darzei*, Watson " "
 480 *Polygonum aviculare*, L. ^{to base} " "
 " ^{ubricatum}, Mts. I believe near Weller Lake
 Not ~~for~~ submitted

- 482 *Eriogonum* ^{heterodoxum}, var. ^{heterodoxum} Dan Gorgonio Psp.
 * 3 *Physalis Crassifolia* Hermitage Rucker val
 4 *Ammannia californica* " " "
 5 A *Borage* ^{lith-} glabrum, n.sp. Apache Psp
 6 *Asclepias purpurascens* glaucescens, H.M. "
 7 *Hedysarum* Virg. ^{v. hispidum} Coos Bay Oregon
 8 *Aciculatio oxycephala* ^{nigra} St. Bowditch Apache P
 9 A *stricta* Bush, rice-grain leaf " "
 490 1 An *Amarant* Am. ^{redundans} Watson " "
 1 A *Canthochloris triangularis* Apache Psp.
 2 A *stricta* ^{to potherbs found} " "
 493 (Rubaceous) *Ammannia humilis* " "

Package No 2.

- Arizona Plants chiefly from
 Chiricahua Mts., numbers 383
 to 493. Sep. & Oct. 1881. J.D. & W.P. Lemoine
- X 383 *Gymnadenia multiflora* (double fl.) near Hermitage. Rucker
 4 *Penstheara* n.sp.? Upper end of " "
 5 *Potentilla* ^{Thunbergiana} Long creek. " "
 6 *Scadium Wrightii* Mts. "
 7 *Lauria diffusa* Gray steens Apache Psp.
 8 " *moniforma* " "
 9 *Mentzelia* " "
 390 1 *Siganus paniculatus*, Mitt. Aspera, 2.
 What Clavaria cucurbit is this, long
 fringed spiny berries. Vine long, 15 to 20 ft,
 climbing over bushes. Only one plant seen.
 High wet ravine south side Apache Psp.
 2 *Liquitium monachum*, ^{not} Beck. E. Ruskin
 3 *Liquitium caputormina* Gray Ruskin
 4 *Lobelia* ^{splendens} Gray Apache Psp.
 5 " " Hermitage Rucker
 6 *Oligoneurus subulata* " "
 7 253 *Pentstemon* ^{grayi} ^{grayi}, var. Hermitage Rucker val
 8 " *ambiguus* Plains near Apache P
 9 *Potentilla gracilis*, var. *rigida*, form Rucker
 400 *Castilleja Taxifolia* Gray Hermitage "
 1 *Mona* ^{dictynna} ^{dictynna} ^{angustifolia} Gray Apache Psp.
 2 A *borage* near (not found) " "
 3 *Heliotropium* ^{phyllanthoides}, Gray, 2000'

- 404) *Nierembergia solanacea* Apache Psp
 5) *Solanum* ? ?
 x 6 " *Jamieson (tuberous)* ? ?
 x 7 *Physalis boliviensis* ? ?
 x 8 *Primula Gordonii* v. st. Mrs. Rucker
 x 9 *Gentiana coronopus* Apache Psp
 410) *Physalis heterophylla*
 11 = 404
 12 *Castilleja laxa* Rucker val
 13 = 400
 14 *Collomia longifolia* Apache Psp
 x 15 *Phlox maria, v. glabilla* Rucker.
 x 16 *Name dicotoma, v. angustifolia* "
 x 17 ²⁵ *Cladostemon linearoides* Apache P.
 x 18 " *pinnifolius* Greene N.P. Mrs. st. Rucker val
 x 19 " *lanceolatus*, B.H. st. sp. " " "
 420 *Gerardia Wrightii* "
 1 *Syzygium angustifolium* Apache P.
 x 2 *Coldenia urinaria* Greene, S.P. "
 x 3 *Lytospermum Colei* Greene Plains val A.
 x 4 *Verbena diffusa*, near Mt. Bowie Apache P.
 x 5 " *conica*, v. Mexicanum " "
 x 6 *Asclepias* ~~hirsutissima~~ W.S.P. Apache P.
 x 7 ²⁶ " *Pantex*, Tor. Hermitage " "
 x 8 ²⁷ *Anisoleptandra decumbens* Apache Psp
 x 9 ²⁸ *Asclepias cordifolia* Mrs. st. "
 x 10 ²⁹ *Mexicana*, Cap. " "
 x 11 *Dalvia rubriflora*, B.H. " "
 x 12 *Scabiosa* Salvia Grahamii Rucker val
 13 *Dalvia* Arizona Gray Apache Psp
 x 14 *Trichostema* ~~spicatum~~ " "
 x 15 *Cedronella Mex., v. canadensis* Rucker val
 x 16 *Hedionia hypoleuca* " "
 x 17 " *Thymoides* ~~canadensis~~ " "
 x 18 *Dionaea coccinea*, Houghton Mt. Bowie Apache P.
 x 19 " *mexicana* " "
 430 *Bartsia* " "
 1 " "
 2 *Eriogonum* Hermitage no Rucker val
 x 3 " *luteum*, Gav. " "
 x 4 *malibata* cepala " "
 x 5 *Carex* " "
 6 *Euphorbia bilobata* Rucker val
 7 " *cubiflora*, Will Black Mt. Apache P.
 8 " *dentata*, M. " "
 9 " *floridana*, Eng. " "
 1450 " *revoluta*, Engelm. " "
 1 " *hypericifolia* Corpse Hill Wa " "
 2 " *serrulata* Cervil, Eng. Plains " "
 3 " *heterophylla*, T. sp. Black Mt. Apache P.
 4 " *adenoptera*, B.H. ? Apache val
 5 ¹⁴⁶ " *serrulata* (Urbata) " "
 6 ¹⁴⁷ " *revoluta* T. " Apache P.
 7 " *hypericifolia* " "
 8 ¹⁴⁸ " *serrulata* " "
 9 *Gentiana* (Malvastrum) mom, M. Rucker val

Package No 3

Arizona Plants including

Numbers 494 to 583 Collected mostly
in the Gila River Mts. Sept. & Oct. 1882

570 *Hoffmannseggia Jamesii* Plains near Apache Pgs.

- x 1 " stricta Apache P.
- x 2 *Liatris palustris*, L. var. *Purpurea* val.
- x 3 *Vicia pulchella*, H.W. HB E. J. "
- x 4 *Ziziphium involucratum*, Willd. var. C. Sicc. "
- x 5 *Gencelia exsertata* (L.) Greene " "
- x 6 *Emphorbia polycarpha*, B.L. Maricopa Mts.
- x 7 *Croton (discosus) texensis* Millar Tucson
- x 8 *Euphorbia lophocaulis* (L.) Greene Rucker val
- x 9 *Palmerogilia Santa Cruz* Creek Tucson

580 *Mitchella repens* Bottom of a pool Hermitage Rucker

- x 1 *Erythronium acutatum* " "
- x 2 *Nesogordium apiculatum* Santa Cruz Tucson

x 2 What queer thing is this, near to Leisey
Mts but with a lip like *Cypripedium*.

From Mrs Austin, Greenville, Texas Co

I have no duplicate so if it proves of
much interest, please return, after de-
termining, at your convenience.

Please determine & report as soon as con-
venient as we shall soon be ready to dis-
tribute. We will put up a full set of
the best specimens for Dr. Gossom.

- Hermitage Rucker valley
- x 10494 *Thellidium tenuifolium* Gray Hermitage Rucker valley
 - x 10495 *Diogmites philippinus* Wright, Gray "
 - x 10496 *Thelypodium Linanthoides*, Willd. "
 - x 10497 *Polygonia Endlicheri*? "
 - x 10498 " *Puberula* Gr. "
 - x 10499 *Monnina Wrightii*, Gray Apache Pgs
 - x 10500 *Polygala alba* Hermitage Rucker val
 - x 10501 " *hemisphaerica* "
 - x 10502 *Arenaria saxosa*, L. Peak N of "
 - x 10503 *Draba Stellata* " " Apache Pgs
 - x 10504 *Silene Utriculata* (L.) Sp. " " Rucker val
 - x 10505 " *laciniata* (L.) E. " "
 - x 10506 *Arenaria florula* " " "
 - x 10507 " *Asperula missouriensis* "
 - x 10508 *Drymaria sonderae* (Berg) Gray "
 - x 10509 *Drymaria sonderae* (Berg) Gray "
 - x 10510 " *glauca* Peak S of Apache Pgs
 - x 10511 *Mollugo cerviana* Plains near "
 - x 10512 *Houstonia angustifolia* (Pursh) Gray Peak E. of Rucker val
 - x 10513 " (natural?) "
 - x 10514 *Scirpus pedicellatus* "
 - x 10515 " *aristatus* Gray "
 - x 10516 " *yellowulus* Gray "
 - x 10517 *Anoda paniculata* Willd. Near Mt. Bowie Apache Pgs
 - x 10518 *Sida Elliottii*, var. Plains lat. " " Rucker
 - x 10519 *Anoda hastata* near " "

- x 518 *Sida filiformis*, var. *acuminata*
 Neen 241 Bowie Apache Pgs
 ✓ 19 ~~Mayaca~~ ^{old} *Fundulus*, Grayson's old 241 Rucker
 ✓ 20 " " Emory? Then 245 Bowie Apache Pgs
 ✓ 21 " " ^{old} *angustifolia*, Spoth " "
 x 2 = 131 *Abutilon texanum* " "
 x 3 = 14 *Sida leptophylla*, sp. ^{leptophylla} " "
 ✓ 4 *Lescurium capitozoma*, James peak s of
 x 5 ^{762 ft. times} *Heterocarpus* floor of Rucker val
 x 6 *Gallium Rotundifolium*, Gray 100' of Rucker val
 ✓ 7 " along creek d- " "
 x 8 *Mulgedium Asperula longipes* " "
 x 9 *Rhus viscosa* Neen Bowie Apache P.
 ✓ 10 ^{130 ft.} *Festuca heterostachys*, ^{long.} Neen Bowie " "
 ✓ 11 " (matured) to 100' of Rucker val. " "
 x 12 *Zaluzianskia parviflora* (Gray). Fls. near Bowie.
 ✓ 13 *Ribes pyrenaicum* (Hart.) (very succulent) near Rucker val
 x 14 ^{2-5 ft.} *Ampelopsis* (?) Hermitage " "
 ✓ 15 *Lupinus angustifolius* in creek of flats between B & R.
 x 16 *Callionandra strobilifera* Hermitage Rucker val
 ✓ 17 " *Portulaca* near Bowie Apache P.
 x 18 *Goffmania depressa* " "
 x 19 *Desmodium* ^{1100 ft.} *leucanthum*, Gray " "
 ✓ 20 ⁵³⁻⁵⁴ " *Ischaemum*, Gray floor of Rucker val
 x 21 ^{540 ft.} " *Hedysarum* (?) in Apache Pgs
 x 22 ^{540 ft.} " *Acropetalum* floor of Apache Pgs
 ✓ 23 *Rhynchosia leskeana* Gray Rucker
 x 24 *Horaschia* ^{1100 ft.} *pedunculata* (?) Rucker
- x 543 *Crotalaria pumila*, Mt. (macrorhiza)
 Apache Pgs
 ✓ 4 " " " " "
 ✓ 5 " " " " "
 x 6 *Phaseolus reticulatus*, BTH Plains near " "
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Lemmon, J. G. and Lemmon, Sara Allen Plummer. 1881. "Arizona Plants Chiefly from Chiricahua Mts." *Plant lists : Arizona, California, etc*

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