

These plants not found

S. C. W. 1938

~~1156~~

These plants not found.

F.M.S. Oct. 20, 1936.

H. S. Gentry : Plants of Mexico

- 1434. *Alomia stenolepis* Blake, sp. nov. cotype
- 1587. *Tragoceros zinnioides* HBK.
- 1909. *Perymenium stenophyllum* Blake
- 1969. *Hymenostephium superaxillare* Blake
- 1984. *Ophryosporus scabrellus* Robinson
- 1999. *Archibaccharis serratifolia* (HBK) Blake
- 2109. *Perityle laoydii* Rob. & Fern.
- 2149. *Ageratella palmeri* (Gray) Robinson

Determinations by Dr. S. F. Blake

Check received, many thanks,

Howard Scott Gentry.

Box 15

Westmorland, Calif.

April 20, 1936.

P. S.

Your remarks regarding shipping & orders
will henceforth be respected.

H.S.G.

Mexican plants received from Mr. Gentry, June, 1940
determined at the Gray Herbarium by I.M. Johnston

- 4761 *Jacquemontia Pringlei* var. *glabrescens* Gray, but evidently specifically distinct from *Pringlei*. Standley has called this, (and other forms) *J. oaxacana* but I do not believe he is correct in so doing
- 4915 *Tagetes subulata* Lev. & Lex. or close to it.
- 4844 *Ditaxis tinctoria* (Millsp.) Pax. & Hoff. or at least what passes as this species.
- 4756 *Ditaxis adenophora* Gray, very similar to the type/
- 4841 *Cissus* Nothing at all close to this in the Gray Herbarium
- 5956 *Mimosa* very different from any thing in the Gray Herbarium
Is "encinalensis" a well formed name? It is Spanish with a Latin ending. Why not English with a Latin ending "oakgrovensis"? *encinal* is not a proper noun.
- 5725 } *Chiococca alba* (L.) Hitchc. (Rubiaceae)
5502 }
- 4946 *Cordia alliodora* (R. & P.) R. & S.
- 5109 *Heliotropium indicum* L.
- 5548 *Heliotropium mexicanum* Greenm.
(I now refer you nos. 1236 & 2437 to this sp. also)
- 5730 *Heliotropium angiospermum* Murr.
- 5727 *Heliotropium macrostachyum* (DC.) Hensl.

PLANTS OF SONORA & SINALOA.
collections of
Howard Scott Gentry

Changes and additions in nomenclature:

<u>Distributed as</u>	<u>Becomes</u>	determined by
4693 <i>Cordia greggii</i>	<i>Cordia parvifolia</i> DC.	HSG
4699 <i>Dalea</i>	<i>Petalostemon</i> sp.	HSG
4808 <i>Dalea occidentalis</i> (Rydb) Gentry	<i>Dalea occidentalis</i> (Rydb) Wig.	HSG
4827 <i>Crotalaria</i>	<i>Crotalaria incana</i> L.	HSG
4845	<i>Cissus mayoensis</i> Gentry (type col.)	HSG
✓ 4843 <i>Anoda</i>	<i>Kosteletskya coulteri</i> A.Gray	Wiggins
4857 <i>Metastelma barbigerum</i> ?	<i>Metastelma minutiflorum</i> Wiggins	HSG
✓ 4941	<i>Sida setifera</i> Presl.	Wiggins
✓ 4968	<i>Pseudobutylon paniculata</i> (Rose) Fries	"
✓ 4974	<i>Wissadula amplissima</i> (L.) Fries	"
✓ 4975	<i>Sida acuta</i> Burm.	"
✓ 5009 <i>Drymaria</i>	<i>Mullugo verticillata</i> L.	Shreve
✓ 5014a <i>Cyperus a. aureus</i>	<i>Cyperus amabilis</i> var. <i>macrostachyus</i> (Boeck) Kuk.	O'Neill
✓ 5037	<i>Leptochloa filiformis</i> (Lam.) Beauv.	Shreve
✓ 5061	<i>Wissadula hirsutiflora</i> v. <i>tricarpetata</i> (R. & G.) Fries	Wiggins
✓ 5089	<i>Cissus sicyoides</i> L.	HSG
✓ 5106	<i>Wissadula amplissima</i> (L.) Fries	Wiggins
5186 <i>Miconia</i>	<i>Conostegia zalapensis</i> (Bonpl.) G. Don ?	Gleason
5178 <i>Muhlenbergia emersleyi</i>	<i>Muhlenbergia emersleyi</i> Vasey	Shreve
✓ 5193 <i>Malvaviscus rivularis</i>	<i>Anoda periptera</i> (Sims.) Hochr.	Wiggins
5210	<i>Salvia alamosana</i> Rose	Epling
✓ 5224	<i>Asterohyptis soemmannii</i> (Gray) Epl.	"
✓ 5225	" <i>stellulata</i> (Benth) Epl.	"
✓ 5243	<i>Salvia setosa</i> Fern.	"
✓ 5244	<i>Bouteloua barbata</i> Lag.	Shreve
✓ 5254 <i>Tibouchina</i>	<i>Heterocentron mexicana</i> H. & A.	Gleason
✓ 5258	<i>Malvaviscus conzattii</i> Greenm.	Wiggins
✓ 5276	<i>Eragrostis viscosa</i> (Retz) Trin.	Shreve
5282	<i>Pectis near scabra</i> Budge.	HSG
5300	<i>Bouteloua hirsuta</i> Lag.	Shreve
✓ 5334	<i>Piquiera trinervis</i> Cav. /v	"
5418	<i>Crotalaria vitellina</i> Ker.?	HSG
✓ 5435	<i>Abutilon reventum</i> S.Wats.	Wiggins
✓ 5438	<i>Bastardia bivalvis</i> (Cav.) HBK	"
5514	<i>Xanthoxylum caribaum</i> Lam.	HSG
5521	<i>Heterotoma cordifolia</i> (H. & A) McV.	HSG
✓ 5538 <i>Malvaviscus rivularis</i>	<i>Anoda periptera</i> (Sims) Hochr.	HSG
✓ 5547	<i>Turnera diffusa</i> Willd.	HSG
✓ 5625	<i>Sida carpinifolia</i> (L.f) K.Sch.	Wiggins
✓ 5646	<i>Bocconia arborea</i> S.Wats.	HSG
✓ 5653	<i>Sida pyramidata</i> Desport.	Wiggins
✓ 5675	<i>Odostemon longipes</i> Standley	Shreve
5759	<i>Sida glutinosa</i> Commers	Wiggins
✓ 5774	<i>Anoda acerifolia</i> (Zucc.) DC.	"
✓ 5828	<i>Salvia ? roscida</i> Fern.	Epling
✓ 5830	<i>Bocconia arborea</i> S.Wats.	HSG
✓ 5838	<i>Odostemon longipes</i> Standley	Shreve
5846	<i>Salvia trichostophana</i> Epl. type col.	Epling
✓ 5852	<i>Muhlenbergia dumosa</i> Scribn.	Shreve
✓ 5941	<i>Bouteloua filiformis</i> (Pourn) Griffith	"
5956	<i>Mimosa guirocobensis</i> Gentry type col.	HSG

entire
Date 1-1-1946
RCH

entries 1
Dec 12, 1940
R. C. F.

PLANTS OF SONORA & SINALOA
collections of
Howard Scott Gentry

Acanthaceae

determined by E. C. Leonard

- ✓ 4978 *Tetramerium nervosum* Nees
- ✓ 5066 *Tetramerium aureum* Rose
- ✓ 5088 *Justicia reflexiflora* Rich.
- ✓ 5099 *Justicia canbyi* Greenm.
- ✓ 5122 *Ruellia brandegei* Leonard nom. nov.
- ✓ 5482 *Odontonema callistachyum* (S. & C) Kuntze
- ✓ 5507 *Dyschoriste hirsutissima* (Nees) Kuntze
- ✓ 5546 *Dyschoriste ovata* (Cav) Kuntze
- 5617 *Justicia salviaeflora* HBK.
- ✓ 5619 *Tetramerium aureum* Rose
- ✓ 5652 *Beloperone* sp. nov., apparently
- ✓ 5776 *Dyschoriste hirsutissima* (Nees) Kuntze

June 4, 1941

PLANTS OF SONORA & SINALOA
collections of
Howard Scott Gentry

Changes and additions in nomenclature

<u>Distributed as</u>	<u>Boonuss</u>	deter. by
4701 <i>Brengia</i>	<i>Caesalpinia pumila</i> (B.&R.) Higgins	HSG
✓ 4843	<i>Loeselia glandulosa</i> (Cav.) Don ssp. <i>ramosissima</i> Brand.	Sherry
4916	<i>Bursera stomophylla</i> Sprague & Riley	HSG
✓ 4929 <i>Lippia</i>	<i>Phylla nodiflora</i> (L.) Greene	HSG
✓ 4977	<i>Eragrostis ciliaris</i> (L.) R. Br.	Shreve
✓ 4981	<i>Lasiacis ruscifolia</i> (HBK.) Hitchc.	Shreve
5092	<i>Stemodia gentryi</i> Pennell (inod.)	HSG
✓ 5153	<i>Hydroleia spinosa</i> L.	HSG
5263	<i>Hoffmanseggia multijuga</i> Wats.	HSG
5268	<i>Stemodia arguta</i> Pennell inod.	HSG
5269	<i>Spermacoce confusa</i> Rendle	HSG
5354	<i>Piqueria cf. trinervia</i> Cav.	Shreve
✓ 5421	<i>Conocarpus erecta</i> L.	HSG
5517	<i>Diphysa aff. racemosa</i> Rose	HSG
5520	<i>Iresine hartwegii</i> Uline	HSG
5525 <i>Brengia</i>	<i>Psidia cf. americana</i> Jesse & Moc.	HSG
5530	<i>Cydista aff. potosina</i> (Schum.) Loesn.	HSG
✓ 5557	<i>Buellera cf. lithospermifolia</i> HBK.	HSG
✓ 5612	<i>Piqueria cf. trinervia</i> Cav.	Shreve
5616	<i>Evovulus alsinoides</i> L.	HSG
5627	<i>Nissolia pringlei</i> Rose	HSG
5628	<i>Calliandra chilnahuana</i> (Brit. & Rose) 2nd. col.	HSG
5634	<i>Rhynchosia rupicola</i> Budge.	HSG
✓ 5647	<i>Stellaria nemorum</i> L.	HSG
✓ 5659	<i>Senecio sartorii</i> Sch. Bip.	HSG
✓ 5801	<i>Odontonema callistachyum</i> (S. & C.) Kuntze	HSG
✓ 5802	<i>Stemodia gentryi</i> Pennell inod.	HSG
✓ 5829	<i>Stellaria nemorum</i> L.	HSG
✓ 5891	<i>Helianthemum glomeratum</i> Lag.	HSG
5896	<i>Actostaphylos pungens</i> HBK. var.	HSG
5899	<i>Castilleja lithospermoides</i> HBK. (in part)	HSG
5937 <i>Brengia</i>	<i>Psidia cf. americana</i> Jesse & Moc.	HSG

Polomoniceae determined by Sherry

✓ 4843	<i>Loeselia glandulosa</i> (Cav.) Don ssp. <i>ramosissima</i> Brand
4942	<i>Loeselia ciliata</i> L. - lavender fld. form.
✓ 5295	<i>Loeselia ciliata</i> L. - yellow fld. form
5347	<i>Loeselia mexicana</i> (Lam.) Brand
5557	<i>Loeselia glandulosa</i> (Cav.) Don, ssp. <i>ramosissima</i> Brand
5613	<i>Loeselia ciliata</i> L. lavender fld. form
5669	<i>Loeselia glandulosa</i> (Cav.) Don ssp. <i>ramosissima</i> Brand
5706	<i>Loeselia ciliata</i> L. lavender fld. form
5794	<i>Loeselia ciliata</i> L. yellow fld. form
5823	<i>Loeselia glandulosa</i> (Cav.) Don ssp. <i>ramosissima</i> Brand

1641 *Caesalpinia ortegae* Standl. = *Hoffmanseggia multijuga* Wats.

HSG

Verbenaceae determined by Moldenke (including earlier collections & Chihuahuan material)

~~572~~Distributed as

670 *Verbena olegans* Vahl.
 1278 *Lantana involucrata*
 1312 *Verbena goddingii*
 1341 *Verbena halei*
 1417 *Lantana camara* L. var.
 1522 *Verbena neomexicana*
 1542 *Verbena halei*
 1604 *Priva aspera*
 1571 *Priva mexicana*
 1923 *Verbena neomexicana*
 2037 *Lippia umbellata*
 2730 *Verbena olegans*
 2753
 5353 *Lippia umbellata*
 5380 *Lantana involucrata*
 5385 *Lantana camara*
 5410
 5662 *Lippia umbellata*
 5721 *Lippia nahuiro* Gentry
 5767 *Lantana involucrata*

Becomes

Verbena olegans var. *asperata* Perry
Lantana velutina Mart. & Gal.
Verbena delticola Small
Verbena menthaefolia Benth.
Lantana glandulosissima Hayek
Verbena pinetorum Moldenke - type col.
Verbena menthaefolia Benth.
Priva lappulacea (L.) Pers.
Priva lappulacea (L.) Pers.
Verbena pinetorum Moldenke sp. nov.
Lippia pringlei Brig.
Verbena olegans var. *asperata* Perry
Verbena ciliata Benth.
Lippia tepicana Moldenke
Lantana velutina Mart. & Gal.
Lantana horrida HBK.
Phylla nodiflora (L.) Greene
Lippia jaliscoana Moldenke
Aloysia nahuiro Gentry & Moldenke - type col.
Lantana velutina Mart. & Gal.

Recd. Feb. 26, 1942.

ADDITIONAL DETERMINATIONS TO SINALOA PLANTS
collected by Howard Scott Gentry

determined by,

4977- <i>Eragrostis ciliaris</i> (L) R. Br.	L.H. Harvey
4980- <i>Leptochloa filiformis</i> (Lam) Beauv.	"
5000- <i>Bouteloua barbata</i> Lag.	"
✓ 5035- <i>Muhlenbergia tenella</i> (HBK) Trin.	"
5037- <i>Leptochloa filiformis</i> (Lam) Beauv.	"
✓ 5083- <i>Operculina aegyptica</i> (L) House.	Gentry H.S. Gentry
✓ 5126- <i>Lasiacis procerrima</i> (Hack.) Hitchc.	L.H. Harvey
5141- <i>Andropogon angustatus</i> (Presl.) Steud.	"
✓ 5178- <i>Muhlenbergia scoparia</i> Vasey	"
✓ 5179- <i>Aristida orizabensis</i> Fourn.	"
5214- <i>Viguiera tenuis</i> Gray	S. S. White
5250- <i>Eragrostis maypurensis</i> (HBK) Steud.	L.H. Harvey
5276- <i>Eragrostis viscosa</i> (Retz) Trih.	"
✓ 5310- <i>Arundinella palmeris</i> Vasey	" rare
✓ 5312- <i>Muhlenbergia emersleyi</i> (Vasey) Hitchc.	"
✓ 5378- <i>Bauhinia pringlei</i> S. Wats.	HSG
5019- <i>Hemicarpha micrantha</i> (Vahl) Pax.	O'Neill
✓ 5021- <i>Fimbristylis annua</i> (All) R. & S.	"
✓ 5452- 5452 <i>Antheophora hermaphrodita</i> (L) Kuntze	L.H. Harvey
✓ 5522- <i>Caesalpinia</i> cf. <i>standleyi</i> (Brit. & Rose)	HSG
5554- <i>Eriosema</i> aff. <i>diffusum</i> (HBK) Don	"
✓ 5670- <i>Acalypha adnastachya</i> Muel. Arg.	"
5703- <i>Schrankia diffusa</i> Rose	"
✓ 5739- <i>Ruellia</i> aff. <i>albiflora</i> Fern.	"
✓ 5887- <i>Clinopodium laevigatum</i> Standl.	"
✓ 5892- <i>Trisetum palmeri</i> Hitchc.	L.H. Harvey
✓ 6107- <i>Cnidocolus angustidens</i> Torr.	HSG
✓ 6197- <i>Eryngium beechyanum</i> Hook. & Arn. /aff.	"
<i>Erythrina montana</i>	
6259- <i>Erythrina montana</i> Rose & Standl.	Krukoff
✓ 6297- <i>Eryngium phyteumae</i> Delar	HSG
✓ 6400- <i>Eryngium beecheyanum</i> Hook. & Arn.	"

Mints determined by Epling

✓ 6180- <i>Stachys agraria</i> C. & S.	
✓ 6181- <i>Monarda austromontana</i> Epl.	
✓ 6313- <i>Scutellaria</i> ? <i>pseudocaerulea</i> Briq.	"may be new"
6284- <i>Hedeoma patens</i> M.E. Jones	
✓ 6171- <i>Lepechinia caulescens</i> (Ort) Epl.	
✓ 6386- <i>Salvia alamosana</i> Rose	
✓ 6421- <i>Salvia goldmannii</i> Fern.	
✓ 6511- <i>Salvia madrensis</i> Seem.	"only collection besides type"

Verbenaceae determined by Moldenke

✓ 6133- <i>Bouchea dissecta</i> S. Wats.	
✓ 6169- <i>Verbena elegans</i> var. <i>asperata</i> Perry	
✓ 6174- <i>Verbena integrifolia</i> Sesse & Moc.	
6452- <i>Verbena carolina</i> L.	
6474- <i>Verbena carolina</i> L.	
✓ 6624- <i>Stachytarpheta incana</i> var. <i>angustibracteata</i> Mold.	

September 1, 1942.

PLANTS OF SONORA & SINALOA
collections of
Howard Scott Gentry

<u>Additional Determinations.</u>	det. by,
- 4742 <i>Luffa operculata</i> (L) Cogn.	HSG
4746 <i>Ipomoea pulchella</i> Roth.	"
- 4865 <i>Sicyos laciniatus</i> L.	"
4919 <i>Erythea</i> af. <i>aculeata</i> Budge.	"
4951 <i>Achyranthus aspera</i> L.	"
4965 <i>Petiveria alliacea</i> L.	"
- 5026 <i>Manihot chlorosticta</i> Standl. & Goldm.	Croizat
5202 <i>Ageratum corymbosum</i> Zucc.	HSG
- 5231 <i>Hyptis rhytidea</i> Benth.	"
5241 <i>Ageratum corymbosum</i> Zucc.	"
- 5376 <i>Lasiocarpus ovatifolius</i> Niedz.	"
- 5376A <i>Lasiocarpus ovatifolius</i> Niedz.	"
5426 <i>Guilandina crista</i> (L) Small	"
- 5483 <i>Physodium corymbosum</i> Presl	"
5516 <i>Gyrocarpus americanus</i> (Jacq)	"
5528 <i>Pinguicula</i> af. <i>lilacina</i> Cham. & Schl.	"
5581 <i>Hoffmeisteria sinaloensis</i> Gentry	" topotype (ined)
5597 <i>Drypetes lateriflora</i> (Sw) Krug. & Urban	Shreve
5598 <i>Echites tubiflora</i> Mart. & Gal.	HSG
5608 <i>Piper jaliscana</i> Wats.	"
5616 <i>Hoffmeisteria sinaloensis</i> Gentry	" type col.
5708 <i>Mimosa manzanilloana</i> Rose	"
- 5738 <i>Capparis postinsularis</i> Gentry	" type col.
5672 <i>Rhus</i> (<i>Schmaltzia</i>) <i>palmeri</i> Rose ?	Barkley ch
5787 <i>Rhus barclayi</i> Standl.	HSG & Barkley (<i>Smaltzia</i>)
- 5799 <i>Rondeletia leucophylla</i> HBK	Shreve
- 5800 <i>Physodium corymbosum</i> Presl.	HSG
5857 <i>Rhus</i> (<i>Schmaltzia</i>) <i>galeotti</i> Standl.	Barkley
5869 <i>Corydalis montana</i> Engelm.	HSG
5918 <i>Bunchosia</i> af. <i>lanceolata</i> Turcz.	"
5943 <i>Rhus</i> (<i>Schmaltzia</i>) <i>terobintheifolia</i> Schl. & C. Barkley	"
5954 <i>Platymiscium trifoliolatum</i> Benth.	HSG
5954 <i>Platymiscium trifoliolatum</i> Benth.	"
- 6118 <i>Achimenes fimbriata</i> Rose	HSG
6136 <i>Asclepias ovata</i> Mart. & Gal.	"
- 6177 <i>Oenothera</i> af. <i>venusta</i> Bartlett	Bartlett "group of"
- 6190 <i>Euphorbia chamaesula</i> Boiss.	HSG
- 6221 <i>Plantago mexicana</i> Link.	"
- 6223 <i>Sonchus asper</i> L.	"
6257 <i>Cyclanthera</i>	
6276 <i>Quercus andlichiana</i> Trel.	
6277 <i>Vicia</i> af. <i>pulchella</i> HBK.	"
6307 <i>Minkelersia multiflora</i> Rose	"
6318 <i>Vicia</i> af. <i>pulchella</i> HBK.	"
6342 <i>Euphorbia dentata</i> Michx.	"
6344 <i>Desmodium mollicula</i> (HBK) Kuntze	"
- 6355 <i>Plantago hirtella</i> HBK.	"
6367 <i>Cyperus botteri</i> Boeck.	O'Neill
6372A <i>Quercus durifolia</i> von Seemen	Muller

September 1, 1942.

dt. by,

6413	<i>Eriosema</i> af. <i>diffusum</i> (HBK) Don	HSG
6417	<i>Ageratum</i> <i>coelestinum</i> L.?	"
6438	<i>Quercus</i> <i>pallescens</i> Trel.	Muller
6447	<i>Cologania</i> <i>biloba</i> (Lindl) Nicholson ?	HSG
6448	<i>Asclepias</i> <i>glaucescens</i> HBK.	" (Gomphowarpus)
6451	<i>Elaterium</i> <i>longisepalum</i> Cogn.	"
6455	<i>Euphorbia</i> af. <i>graminea</i>	"
6481	<i>Leucaena</i> af. <i>pallida</i> Brit.& Rose	" dist. as <i>Lysiloma</i>
6497	<i>Cyperus</i> <i>botteri</i> Boeck.	O'Neill
- 6509	<i>Euphorbia</i> <i>francoana</i> Boiss.	HSG dist. as <i>Ayenia</i>
- 6512	<i>Apodanthera</i> <i>roseana</i> Cogn.?	"
- 6565	<i>Eryngium</i> <i>deppeanum</i> Cham.& Schlicht.	"
6571	<i>Quercus</i> <i>tuberculata</i> Liebm.	"
6594	<i>Mimosa</i> <i>pringlei</i> Wats.	" glabrous form
6598	<i>Dicliptera</i> <i>resupinata</i> Juss.	"
- 6601	<i>Melothria</i> <i>donnell-smithii</i> Cogn.	"
6609	<i>Euphorbia</i> <i>francoana</i> Boiss.	" dist. as <i>Ayenia</i>
- 6616	<i>Calathea</i> <i>cylophora</i> Baker	"
6619	<i>Achimenes</i> <i>fimbriata</i> Rose	"

ADDITIONAL NAMES TO SINALOA COLLECTIONS
OF HOWARD SCOTT GENTRY

	Deter- minator	Distributed as,
✓ 4922 - <i>Tragia</i> af. <i>urticaefolia</i> Michx.	HSG	
× 4954 - <i>Hamelia versicolor</i> Gray	"	
✓ 4957 - <i>Cissus rhombifolia</i> Vahl.	"	Ampelocissus ⁶⁵¹⁵ max.
× 5011 - <i>Rotala dentifera</i> Koehe	"	
✓ 5014a - <i>Cyperus amabilis macrostachyus</i> (Boeck) Kuk.,	O'Niell	<i>C. a. aureus</i> .
✓ 5032 - <i>Capraria biflora</i> L.	HSG	
× 5050 - <i>Jusseia clavata</i> Jones	"	
✓ 5067 - <i>Acacia ortegae</i> (Brit & Rose)	"	
✓ 5077 - <i>Waltheria hirsuta</i> Presl.!	"	a lost species
× 5117 - <i>Randia blepharophylla</i> Standl.	"	<i>Diospyros</i> rare
× 5117 - " " "	"	"
✓ 5127 - <i>Triumfetta</i> cf. <i>discolor</i> Rose	"	
✓ 5134 - <i>Acacia ortegae</i> (Brit. & Rose)	"	
✓ 5258 - <i>Malvaviscus malvaviscus arboreus</i> Cav.		<i>M. conzattii</i> .
✓ 5412 - <i>Diodia crassifolia</i> Benth.	HSG	
× 5417 - <i>Arenaria</i>	"	
✓ 5466 - <i>Schoefia parvifolia</i> Planch.	"	
✓ 5490 - <i>Phorodendron puberulum</i> Trel.	"	
✓ 5498 - <i>Erioxylon aridum</i> Rose & Standl.	"	
✓ 5532 - <i>Croton tenuilobis</i> Wats.	Croizat	
✓ 5569 - <i>Galactia</i>	HSG	
✓ 5580 - <i>Croton shreveanus</i> Croizat	Croizat	type col.
✓ 5583 - <i>Linum longipes</i> Rose	HSG	
✓ 5596 - <i>Galactia</i>	"	
✓ 5613 - <i>Tragia</i> af. <i>urticaefolia</i> Michx.	"	
✓ 5632 - <i>Scoparia annua</i> Cham. & Schl.	"	
✓ 5643 - <i>Eugenia</i> af. <i>guatemalensis</i> D.-Sm.	"	
× 5656 - <i>Xylosma</i> af. <i>velutinum</i> (Tul.) T. & K.	"	
✓ 5672 - <i>Schmaltzia palmeri</i> Rose ?	Barkley	<i>Rhus</i>
✓ 5711 - <i>Acacia stoddleyi</i> Safford	HSG	<i>A. cornigera</i> .
✓ 5729 - <i>Forestiera</i>	Standley	
× 5761 - <i>Ditaxis humilis</i> (E. & G.) Pax.	HSG	
✓ 5805 - <i>Capraria biflora</i> L.	"	
× 5874 - <i>Distylium sinaloense</i> Standl. & Gentry sp. n.		or may be reduced to
✓ 5875 - <i>Verbesina</i> sp. nov.	Blake	<i>D. guatemalense</i>
✓ 5877 - <i>Ranunculus petiolaris</i> H.B.K.	Benson.	x
✓ 5922 - <i>Callisia repens</i> L.	HSG	
✓ 5937 - <i>Piscidia sinaloensis</i> Gentry sp. nov.	"	Ex P. of. americana
✓ 6103 - <i>Cyclanthera</i>	"	
✓ 6108 - <i>Hamelia versicolor</i> Gray	"	
✓ 6122 - <i>Melampodium paludosum</i> HBK	White	
✓ 6182 - <i>Polygala alba suspecta</i> Wats.	HSG	
✓ 6197 - <i>Bryngium beechyanum</i> H. & A.	Benson ^{Constante}	<i>B. cf. beechyanum</i>
✓ 6212 - <i>Verbena carolina</i> L.	HSG	
✓ 6214 - <i>Phaseolus ovatifolius</i> Piper	"	
✓ 6241 - <i>Viola neomexicana</i> Greene	"	
✓ 6242 - <i>Achimenes antirrhina</i> (DC) Morton	"	
✓ 6243 - <i>Athyrocarpus leiocarpus</i> (Benth) B. & H.	"	<i>Commelina elegans</i> ?
✓ 6247 - <i>Arracacia edulis</i> S.Wats.	Constance	<i>triosciadium</i>
✓ 6251 - <i>Valeriana scorpioides</i> DC.	HSG	
× 6256 - <i>Lopezia gracilis</i> Wats.	"	
✓ 6257 - <i>Cyclanthera</i> af. <i>tannoides</i> (Willd.) Cogn.	"	
✓ 6264 - <i>Ascobedia crassipes</i> Pennell	"	

	Deter- minator	Distributed as,
✓ 6265 - <i>Cyclanthera diversiloba</i> Gentry sp. nov.	HSG	some sheets mixed with
✓ 6267 - <i>Achimenes grandiflora</i> (Schied.) DC.	"	<i>Ipomea pedatisecta</i>
✓ 6268 - <i>Anthericum nelsoni</i> Greenm.	"	<i>Echeandia</i>
X 6269 - <i>Commelina</i> af. <i>coelestis</i> Willd.	"	
✓ 6281 - <i>Donnellsmithia hintonii</i> M. & C.	Constance	
✓ 6285 - <i>Ranunculus petiolaris</i> HBK.	Benson	
✓ 6291 - <i>Geranium seemanii</i> Peyr.	H.E. Moore	<i>G. wislizeni</i>
X 6294 - <i>Laehnostoma gonoloboides</i> Greenm.?	HSG	
✓ 6295 - <i>Apium leptophyllum</i> (Pers) F.von Muel.	Constance	
✓ 6297 - <i>Eryngium phytoumae</i> Delar	"	ibid
✓ 6306 - <i>Hypericum fastigiatum</i> HBK.	HSG	
✓ 6309 - <i>Ranunculus petiolaris</i> HBK	Benson	
✓ 6311 - <i>Cyclanthera monticola</i> Gentry sp. nov.	HSG	type col.
✓ 6328 - <i>Donnellsmithia poucedanoides</i> (HBK) M. & C.	Constance	
X 6364 - <i>Polygala</i> af. <i>subulata</i> Wats.	HSG	
✓ 6377 - <i>Phaseolus ovatifolius</i> Piper	"	
✓ 6400 - <i>Eryngium beechyanum</i> Hook. & Arn.	Constance	
6440 - <i>Curessus benthami</i> Endl.	HSG	
✓ 6458 - <i>Spananthe paniculata</i> Jacq.	Constance	
✓ 6461 - <i>Mavaviscus arboreus</i> Cav.	HSG.	
X 6472 - <i>Phaseolus acutifolius</i> Gray	"	
✓ 6476 - <i>Tradescantia amplexicaulis</i> Klotz	"	
✓ 6485 - <i>Mimosa</i> af. <i>guatemalensis</i> (H. & A.) Benth.	"	
✓ 6488 - <i>Donnellsmithia hintonii</i> M. & C.	Constance	
X 6492 - <i>Asclepias ovata</i> Mart. & Gal.	HSG	
✓ 6512 - <i>Chizocarpum palmori</i> Cogn. & Rose	"	<i>Apodanthera roseana</i> ?
✓ 6537 - <i>Spananthe paniculata</i> Jacq.	Constance	
X 6539 - <i>Eryngium beechyanum</i> H. & A.?	"	<i>E. heterophyllum</i>
✓ 6555 - <i>Schoenocaulon negarhiza</i> Brinker	Brinker	<i>S. jaliscana</i>
✓ 6559 - <i>Phaseolus ovatifolius</i> Piper	HSG	
✓ 6565 - <i>Eryngium longifolium</i> Cav. ?	Constance	<i>E. deppeanum</i>
✓ 6584 - <i>Echinocystis</i> ?		
✓ 6600 - <i>Heterosicyos barbata</i> Gentry new gen s & species.		
✓ 6600A - " " "		
✓ 6601 - <i>Apodanthera pringlei</i> Wats.	HSG	<i>M. donnellsmithia</i>
X 6619 - <i>Achimenes fimbriata</i> Rose	"	
✓ 6620 - <i>Lycianthes srotatensis</i> Gentry sp. nov.	"	
✓ 6657 - <i>Echinopepon cirrhopedunculatus</i> Rose	"	<i>Echinocystis cirrhop.</i>
X 6658 - <i>Cissus rhombifolia</i> Vahl. ?	"	
✓ 6668 - <i>Polygala obscura</i> Benth.	"	
✓ 5288 - <i>Mimosa barrancana</i> Gentry sp. nov.		Type col.
✓ 5298 - <i>Acacia barrancana</i> " " "	"	Type col.
X 5625 - <i>Piscidia sinaloensis</i> Gentry sp. nov.	"	Type col. P. cf. <i>americana</i>
X 5769 - <i>Trichillia colimana</i> C.DC. vel. af.	"	
✓ 5987 - <i>Piscidia sinaloensis</i> Gentry		
✓ 5738 - <i>Morisonia americana</i> L.	"	<i>Capparis postinsularis</i> Gentry ined.
✓ 6322 - <i>Phaseolus isparanjar</i> Seaton	"	
✓ 5814 - <i>Dalea</i> af. <i>crenulata</i> H. & A.		
✓ 5811 - <i>Dalea calcarata</i> Gentry		



20 miles

Alamos

RIO MAYO EXPLORATIONS OF HOWARD SCOTT GENTRY

MEXICO

EXPLANATION OF ABBREVIATIONS AND PLACES

Rio Mayo: on the label as it follows specific place names indicates that the locality is in the Rio Mayo water shed. Selected because it orients the localities geographically and avoids ambiguity of names.

Rio Fuerte: Rio Fuerte water shed; as for Rio Mayo

Canyon Narcissus: originates in the east slope of Sierra de la Ventana and discharges into the Rio Mayo at Caramechi.

Canyon Salitrero: originates in the east slope of Sierra de la Ventana and discharges into the Rio Mayo at Caramechi.

Tepopa: a rancho on the Rio Mayo slope of Sierra Chiribo. On the labels they may be treated as synonyms, for all Sierra Chiribo collecting was done at Tepopa.

Canyon: indicates generally the narrow upper stretches of a water course, the area of origin.

Arroyo: indicates the lower portion of a water course, the sides of which are not closely confined by hill sides or high cliffs.

Tropical Sonoran: Tropical Sonoran Life Zone, which may be regarded as a subdivision of the Lower Sonoran Life Zone, or as a zone of equal rank. I have used this term in place of the loosely used and much abused Semitropical Life Zone. Observations indicate the Rio Mayo is a rough northern limit for the Tropical Sonoran Life Zone. Occupies elevation from sea level to three thousand feet ?.

Lower Sonoran: Lower Sonoran Life Zone, distinguished from the Tropical Sonoran Life Zone by less rainfall and a sparser flora. Occupies elevation from sea level to three thousand feet ?.

Upper Sonoran: Upper Sonoran Life Zone. Lies at a higher elevation than the two preceding Zones, three thousand



to five thousand feet ?, and is sharply characterized by savannah-like grass slopes of oak and palm.

Transition: Transition Life Zone; above the Upper Sonoran Life Zone, five thousand to eight thousand feet ? elevation, characterized by forest slopes of pine, madrone, and oak. With further observations I intend to suggest Life Zone Indicators for all these Zones.

Vernacular

Mex. for Mexican and means only that the preceding appellation is that locally used by the Spanish speaking Mexicans of mixed blood. The word itself may be of Spanish or Indian origin.

W. for Warihio, a very ancient and little known tribe inhabiting the barrancas of the Rio Mayo.

Tar. or TT. refers to the Tarahumare Indian tongue of Chihuahua.

Mayo or M. indicates the name is of the Mayo tongue. The Mayos inhabit the low country of the Rio Mayo.

E.B. initials of Emilio Bourbon, Indian, half Tarahumare, half Warihio, now living in San Bernardo. Indicates that the vernacular note was supplied by him.

H.C. initials of Hilario Corpo, Warihio, living near Curopaco. Indicates that vernacular note was supplied by him.

L.A. initials of Leecha Acunya, half blood Warihio, living in Caramechi, an Indian settlement. Indicates vernacular note was supplied by her.

E.S. initials of Esteban Suha, Warihio, living in Caramechi. Indicates vernacular note was supplied by him.

J.A. initials of Juan Arguelles, Mexican, residing in San Bernardo. Indicates vernacular note was supplied by him.

C.A. initials of Carlotta Arguelles, Mexican living in San Bernardo. Indicates vernacular note was supplied by her.

PLANTS FROM BAJA CALIFORNIA

Gentry collection

Determined by I. R. Wiggins.

- 4162 *Dalea seemanii* S. Wats. (approaching *D. Trochilina*)
4375 *Galium microphyllum* A. Gray
4345 *Hydrocotyle umbellata* L.
4338 *Bauhinia purpurea* L.
4280 *Eupatorium purpusii* v. *monticolum* Brdge.
4256 *Eupatorium purpusii* Brdge. (compared with type)
4114 *Eupatorium peninsulare* Brdge. (comp. with type)
4127 *Bursera hindsiana* (Benth) Engl.
4035 *Eriogonum pilosum* Stokes (comp. with type)
4140 *Desmodium grahamii* A. Gray
4279 *Lotus wrightii* v. *multicaulis* Ottley
4069 *Acuan fruticosa* (Rose) Standl.
4115 *Drymaria carinata* Brdge. (Though this species was described as an "annual", the type consists of slender branches that could have come from a permanent root. It is, in all vegetative characters, a good match for the type).

PLANTS OF BAJA CALIFORNIA
collected by Howard Scott Gentry

Determinations by Dr. Ira R. Wiggins.

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4279 *Lotus wrightii* var. *multicaulis* Ottley
4415 *Drymaria carinata* Bridge. (Though this species was described as an Annual " the type consists of slender branches that could have come from a permanent root. It is, in all vegetative characters, a good match for the type).
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