

14

Spine data wrong

not all that wrong!

1912 1918-1929 would be correct.

Note that the first two digits

are the year

hence $12.1 =$

1st coll. of 1912

Don H. Nielsen

21 May 1991

United States
National Museum

Division of Plants

1912.

J = Java (Buzeman)

_s = seeds.

Bu = Buffalo Bot. Gard. (Couell)

- | | | |
|-------|--|--------------|
| 12.1 | <i>Echinocactus simpsoni</i>
1 det. | 10008
122 |
| 12.2 | <i>Coustantia rosea</i> | 10043 |
| 12.3 | <i>Phyllocactus latifrons</i> E. <i>stenopetalum</i>
<i>Ephedra</i> <i>argentea</i> C. det. | |
| 12.4 | <i>Manillaria donati</i> | 10044
1 |
| 12.5 | <i>Selenicereus</i> | 10053 |
| 12.6 | <i>Lemaireocereus</i> | |
| 12.7 | <i>Cephalocereus royeri</i> (?)
(= <i>Pilocereus</i> ") | |
| 12.8 | <i>Hylocereus trigonus</i> | |
| 12.9 | <i>Selenicereus</i> | " |
| 12.10 | <i>Opuntia tuna</i>
spines large, yellow | |
| 12.11 | <i>Opuntia catacantha</i> L. + O. | |

Wyoming, Fort Russell
Earl B. Powell Dec., 1911

Mexico, Oaxaca, Coyula, Cuicatlan
C. Conzatti 900 meters
" " "

Mexico, Esperanza, Puebla
C.A. Purpus 2400 meters
Jan., 1912

Porto Rico, Ponce
Henry T. Cowles #234
Guayanilla " #235
near " " #236, #248
" " " #237
" " " #238
La Ventana, near Guayanilla #241
Guayanilla #243

- 12.12 Melocactus 10083
- 12.13 Opuntia catacantha Dead
- 12.14 " " "
- 12.15 " ficus-indica
- 12.16 Selenicereus grandiflorus
- 12.17 Euphorbia
-
- 12.18 Opuntia ovata Dead
- 12.19 " spegazzinii Web.
- 12.20 " foliosa
1 destr.
- 12.21 " diademata
- 12.22 ~~Pterocactus~~ ? Opuntia clavarioides
1 destr.
- 12.23 Haworthia clariperla

- Porto Rico, La Ventana
Henry T. Cowles. #244, 245, 250
La Ventana #246
- " #249
- [Common everywhere] #251, 252
- Arecibo #253
- Yauco X

California, Holmby Garden, Jan. 2, 1912
East Hollywood, Mr. Weinberg

12.24 *Haworthia glabra concolor*

12.25 "

12.26 / " *reinwardii*

12.27 *Gasteria pumila*

12.28 *Opuntia pusilla*

12.29 *Selenicereus*

10046

12.30 *Euphorbia*

12.31 *Opuntia pollardi* Britton & Rose 10074

12.32 *Echinocactus lecontei*

10057

(From South Africa)

Porto Rico, San Juan.

1/13/1912

330 B. Hioram, Colegio de San Pablo.

331

Mississippi, Biloxi

2/5/12

S. M. Tracy.

Arizona, just north of Phoenix

2/9/1912.

E. D. Wootton # 7008

"This is what Dr. Kunze calls *E. lecontei* and is certainly distinct enough from *E. wislizeni* of the Mesilla Valley. Spines straighter,

12.33 *Echinocactus wislizeni*.

10057

plant taller, and usually less in diameter, flowers reddish maroon with orange margins to petals. Radial spines different. Should be cultivated along side of *N.M. E. wislizeni*.
Arizona, just north of Phoenix. 2/19/12.
E. D. Wootton #7009. alt. 1100 ft.
"This is what Dr. Kunze considers *E. wislizeni*. I'm inclined to doubt the correctness of the conclusion. Had better be compared in growing condition with *E. wislizeni* from Ariz. College"

12.34. *Opuntia pollardii*

10062

3 Dead

Alabama, Dauphin Id. Petit Feb. 12, 1912
A. H. Howell Bois Id.

12.35. *Echinocereus engelmannii*

10078

Arizona, N.E. of Phoenix. Feb. 12, 1912.
E. D. Wootton

12.36. *Mamillaria grahamii*.

- mt. N.E. of Phoenix.

12.37 *Opuntia* 10075

12.38 " *sulphurea* Dead

12.39 " *catacantha*

12.40 *Nopalea*

12.41 *Opuntia decumbens*

12.42 *Nopalea coccinelifera*

12.43 *Opuntia vilis* 10076

12.44 *Mamillaria* ~~*royana*~~ " " " "

12.45 " " " "

12.46 *Pereskia* " 10077

12.47 *Opuntia pollardi* 10079

Mexico, Balsas NYBG. 32811

H. H. Rusby. 1910.

? Simon, 1901

? NYBG. 6647

Porto Rico - 1906: NYBG. 24673

Britton & C. - #1323

? Simon 1900

NYBG. #6646

? Weinberg 1910.

NYBG. #32645

Mexico. 1910.

H. H. Rusby. NYBG. -

Mexico, Durango, Lerdo.

E. Chaffey

Mexico, Zacapana

C. A. Purpus.

Alabama, Uniontown

A. H. Howell.

3-4-12

12.48 *Cereus deami* 10081
(or new genus)

12.49 *Hylocereus minutiflorus* = *Wilmetia microflora*
FHB.

12.50 *Selenicereus hondurensis*
FHB

12.51 *Mamillaria arizonica* 10102

12.52 *Echinocereus*

12.53 *Opuntia fusco-atra* ~~Dead~~ 10098

12.54 " *lindheimeri* 1 dead destroyed

12.55 *Phyllocactus gaillardae* ✓
(Seedlings)

12.56 *Weberocereus* n. sp.
Selenicereus marmoratus

12.57 *Cryptostegia* 10099
(Seeds)

Guatemala, Mrs. F. D. A. Cockerell. 2/20/12
Quirigua.

Arizona; Nelson
E. O. Wootton. Mar. 2, 1912

Texas, Victoria.
J. D. Mitchell. Mar. 4, 1912.

Canal zone
H. Pittier. Feb. 1912

Colombia Along Sambú R., South
Darién, Epiphytic. #5715

Mexico; San Blas, Sinaloa
E. A. Tays.

- 12.58 *Cereus Boeckmannii* 10100
Beckner
- 12.59 " 10100
 dest.
- 12.60 " 10100
- 12.61 " 10100
- 12.62 *Echinocactus*
 Dead & destroyed 10100
- 12.63 *Maniellaria* 10100

12.64 *Opuntia* 10101

12.65 *Acanthocereus* 10103

12.66 " 10103

12.67 *Hylocereus* 10103

12.68 " 10103

12.69 *Opuntia* 10103

Presented by Arthur Kuester.
 March 19, 1912.

Mexico, Oaxaca. Jardin Botánico
 Estac. Agr. Exper., Distrito del
 Centro. 1550 m. alt. "Nopal
 Costoche" C. Conzatti.

Panama

E. Goldman #1875

#1876

#1877

#1878

#1879

12.70 *Mamillaria* 10101
flowers white?

12.71 " 1 destr. flowers

12.72 *Opuntia inermis* 10103

12.73 *Opuntia* 10101

12.74 *Opuntia* 10109
large joints

12.75 " small.

12.76 *Echinocactus corugosus* 10104

12.77 *Mamillaria* 1 dead destroyed

12.78 *Echinocereus* 10111
1 destr. 5+

Mexico, Oaxaca de Juarez.
C. Conzatti #3

#4

Bird Key, Dry Tortugas Islands, Florida, Tortugas Bird Reservation 4/2/12
file T.S.P. by phone 7-23-15.
T.S. Palmer.

Mexico, Oaxaca 1000 m. alt.
C. Conzatti #5

Alabama, Jackson 4/6/12
E. J. Holt.

Mexico, Guadalupe, Hidalgo.
10m Brockway #220
Kilo 87, Cuernavaca Div.
#222.

Texas, Kerrville 4/14/12
B. Mackensen.

12.79 *Opuntia*

10109

12.80 *Hyllocereus trigonus*

12.81 *Pilocereus*

12.82 *Melocactus* ✓

12.83 *Echinocereus viridiflorus* 10110
There called pin cushion cactus. 9

12.84 *Opuntia*
1 destr.

10109

12.85 *Leuchtenbergia?* ✓
Seedlings, Cacti? ✓

12.86 *Opuntia* ✓
Coarse yellow spines

12.87 *Opuntia* ✓

12.88 *Opuntia* ✓

Dead

Porto Rico, Vieques Island.
A. Wetmore

Mar. 30, 1912

Colorado, Colorado Springs.
J. W. Hornum, S.

Alabama, Myrtlewood
Ernest G. Holt.

Apr. 22, 1912

Alabama, Auburn
J. E. Lloyd #16.
(Originally from Cedros)

Porto Rico, Virgin Islands - (Culebra).
Alex Wetmore, Biol. Surv.

- 12.89 *Opuntia* ✓ 10118
/
- 12.90 *Opuntia*
yellow-green - almost spineless 2
- 12.91 *Opuntia*
1 destr.
- 12.92 *Pilocereus*
/
- 12.93 " ?
/

- 12.94 *Periplocactus Emoryi* 10116
~~*Echinocereus* sp.~~
1 destr. fls. pale lemon yellow /

- 12.95 *Opuntia* 10118
3

- 12.96 *Jatropha macrorhiza* 10119
seeds.

- 12.97 *Cereus Bonplandii* seeds } seeds
12.98 " *tortuosus* seeds } seed
12.99 " *Peruvianus* seeds } seeds

California, San Clemente Island 4/28/12
E.O. Wootton # 7042
("Photographed")

Alabama, Florence 5/5/12
A. H. Howell

Mexico, Chihuahua
sent by Elmer Stearns
South America, Argentina. Seeds sent
by Dr. Carlos Thays from Buenos
Aires thru Mr. Peter Bisset,
Dept. of Agr.

12.100 *Mamillaria Echinocactus Simpsonii* 10148
Pediocactus

12.101

Orchid

12.102

Orchid

12.103

Orchid

12.104

Orchid

12.105

Orchid

12.106

Orchid.

12.107

Orchid

12.108

Orchid

12.109

Orchid

12.110

Orchid

12.111

Orchid.

Colorado, Jefferson.
C. Birdseye.

May 22, '12

Panama, Cana.
E. A. Goldman

May 8, 1912

Pirri Range (5000 ft.) near head of Rio Timon. May 6, 1912

12.112 *Mamillaria Missouriensis* 10135
+ detri. 6

12.113 *Opuntia* 10149

12.114 " 8

12.115 *Cereus* 1
Echinid Cylindrop.

12.116 *Echinid* " 1

12.117 *Leuchtenbergia* 1

12.118 *Opuntia* 10148

12.119 *Pilocereus*

12.120 *Opuntia* 10147
3

12.121 *Pereskia Nicoyana* Web. 10146
2

Montana Greycliff.
W.W. Eggleston.

Mexico Durango, Lerdo.
E. Chaffey

Porto Rico, Yauco
Alex Wetmore

Utah, Tooele, Tooele Co.
H.L. Shantz #3132

Costa Rica, Puntarenas
Coll. by 'C. Werckli', sent
by A. Toumaz.

12.122 *Opuntia Dillenii* 10145
inermis FHB. 11

12.123 *Cephalocereus* ~~Bahamensis~~ 10146
Bahamensis 4

12.124 Orchid 21

12.125 *Acanthocereus* 10154

12.126 *Opuntia elatior* 3

12.127 *Mamillaria zephyranthoides* 10178
1 spec. Ded. 1

12.128 *Echinocactus visnaga* 1

12.129 " *cataphractus*
cataphractus Dams 1

12.130 *Mamillaria vivipara* 2 ✓
(One sent to N. Y. B. S.)

12.131 *Cereus Karstenii* 1
(four angled)

Bahama Islands, Smith Place, May 24, 1912
northeast corner of South
Bight, Andros Islands, Long
Bay Key District.
Dr. Paul Bartoch.

Panama, Pinogana. June 20, 1912.
E. A. Goldman.

Panama
Christopherson # 207
(See Mr. Petrie for data)

Germany, Messrs. Haage & Schmidt.

Streeters, No. Dak. June 28, 1912
V. Bailey.

Jardin des Plantes,
Paris
Obtained by Dr. Rose.

- 12.132. *Phyllocactus*
hybrid, destr. 3
- 12.133 *Rhipsalis Warmingiana* 1
- 12.134 " *capilliformis* 1
- 12.135 *Selenicereus* 1
- 12.136 *Portulacaceae* plant
Anacampseros arachnoides Sims
- 12.137 *Cereus* ^{medocroditis} *setaceus*
(three angled). 1
- 12.138 *Selenicereus* 1
- 12.139 *Weberocereus tunilla* Dead
called *Cereus Bisolleyi* 1
- 12.140 *Rhipsalis Wercklei* 1
- 12.141 *Phyllocactus* 1
- 12.142 *Cereus Amecaensis* 1
- 12.143 *Cereus Wercklei* 1

- Botanical Garden
Munich, Germany.
Obtained by Dr. Rose.
- Botanical Garden
Brussels, Belgium
Obtained by Dr. Rose.
- Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.
- Santo Domingo
through Mr. De Lpet.
Obtained by Dr. Rose.
- Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.
- Botanical Garden
Brussels, Belgium.
Obtained by Dr. Rose.
- Botanical Garden,
Brussels, Belgium.
Obtained by Dr. Rose.
- Royal Botanic Gardens, Kew,
Collected by Alfredo Brude in
Costa Rica
Obtained by Dr. Rose.
- Royal Botanic Gardens, Kew.
Collected in Costa Rica by Alfredo Brude.
Obtained by Dr. Rose.
- Botanical Garden, Halle, Germany.
From Costa Rica.
Obtained by Dr. Rose.
- Royal Botanic Gardens, Kew.
Obtained by Dr. Rose.
- Royal Botanic Gardens, Kew
Obtained by Dr. Rose.

- 12.144 *Hylocereus* 1
- 12.145 " *Lemairei* 1
-
- 12.146 *Opuntia* ¹⁰¹⁷⁵
1 destr. ₁
-
- 12.147 " *Treleasei* Couster ¹⁰¹⁷⁹
+ 2 flowers 1
-
- 12.148 *Opuntia elongata* ¹⁰¹⁷⁷
- 12.149 " *megacantha*
- 12.150 " *monacantha*
- 12.151 " *inaequilateralis* 1 destr.
- 12.152 " *Labouretiana*
- 12.153 " *hyptiacantha*
- 12.154 " *winteriana*
- 12.155 " *parva*

Royal Botanic Gardens, Kew.
Obtained by Dr. Rose.
Royal Botanic Gardens, Kew.
Obtained by Dr. Rose.

Tooele, Utah July 12, 1912
(Boring # 78)
J. H. Keckney, of Dept. Agr.
10 mi. E. of Bakersfield, Calif. June 26, 1912
Det. D. J. MacDougal & J. Sykes.

Italy, La Mortola. A. Berger, thru
Nypell. #36269 Dr. Rose.
#36270
#36271
#36272
#36273
#36275
#36276
#36277

12.156	<i>Opuntia Scheerii</i>	<u>Dead</u> 10177	#36278
12.157	" <i>pilifera</i>		#36279
12.158	" <i>Beckeriana</i>		#36280
12.159	" <i>Bergeriana</i>		#36281
12.160	" <i>velutina</i>		#36282
12.161	" <i>puberula</i>		#36283
12.162	" <i>Hamburyana</i>		#36284
12.163	" <i>glaucescens</i>		#36285
12.164	destr. " <i>erinifera</i>		#36286
12.165	" <i>triacantha</i>		#36287
12.166	" <i>polyantha</i>		#36288
12.167	" <i>alcahes</i>		#36289
12.168	" <i>Verschaffeltii</i>		#36291

- | | | | |
|--------|---------------------------------|-------------|--------|
| 12.169 | <i>Opuntia haematocarpa</i> | 10177 | #36292 |
| | ^{1 destr.} | | |
| 12.170 | " <i>oligacantha</i> | | #36293 |
| 12.171 | " <i>intermedia</i> | | #36294 |
| 12.172 | " <i>Lemaireana</i> | <u>Dead</u> | #36296 |
| 12.173 | " <i>foliosa</i> | | #36297 |
| | ^{1 destr.} | | |
| 12.174 | " <i>fulgida nana</i> | | #36298 |
| 12.175 | " <i>molesta</i> | | #36299 |
| 12.176 | " <i>Spegazzinii</i> | | #36302 |
| 12.177 | " <i>Bigelovii</i> | | #36303 |
| 12.178 | <i>Pereskia amapola</i> | PHB | #36304 |
| 12.179 | <i>Pereskopsis rotundifolia</i> | | #36306 |
| 12.180 | " <i>de Hait</i> | | #36309 |

12.181 *Cereus nycitallis armatus* 10177

12.182 " *grandiflorus maximilianus*

36313

36314

12.183 *Echinopsis obrepanda* Q. 10176
Ec.

12.184 ^{*Rebutia*} *Echinocactus minusculus* 1

12.185 " *Martinii* 12

12.186 " *Schlingkianus* 1

12.187. ^{+ destr. | destr.} " *Grahleanus* 1

12.188 *Mamillaria Mundtii* 1

12.189. " *fulvolanata* 4

12.190 " ~~*munziana*~~
~~*locasana*~~ 1

12.191 " *trichantha* 2

12.192 " *pyrocephala* 1

Germany, Mahlsdorf.
From Walter Mundt.

12.193	<i>Mamillaria Praelii</i>	10176	
12.194	<i>Cereus thelegonus</i> (?)	1	
12.195	<i>Echinocactus Quehlii</i>	1	
12.196	" <i>platensis</i>	2	
12.197	<i>Echinocereus Salin-Dyckianus</i>	2	
12.198	" <i>Scheerii</i>	2	
12.199	" <i>amoenus</i>	2	
	Dead + preserved	2	
12.200	" <i>subinermis</i>		
12.201	<i>Echinocactus Schumannianus</i>	1	
12.202	<i>Mamillaria rhodantha</i>	1	
12.203	<i>Echinocactus demidatus paraguayensis?</i>	1	
12.204	<i>Echinopsis Pentlandii</i>	1	
12.205	<i>Echinocactus concinnus</i>	1	

(Germany - W. Mundt.)

12.206 *Echinocactus pumilus* 1076

^{dead specimen}
12.207 *Mamillaria Parkinsonii* 1

12.208 " *elegans* 1

12.209 *Echinocereus Leonensis* 1

12.210 *Opuntia Hempeli* 1

12.211 *Echinocactus Ottomii* 1

12.212 *Echinocereus maritimus* 1

12.213 " *caudicans* 1

12.214 *Gormania orogamum* 2
1 destr. acc. 10246

12.215 *Phyllocactus* 5
acc 10,185

12.216 *Pereskia* 1
New York Oct 1956

(Germany - W. Mundt.)

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

Oregon Crater National Forest July 27, 12.
Klamath Co. Miss. Jessie P.
Rose #2029

Panama
E. A. Goldman 1957 (Biol. Surv.)

1956

12.217 *Opuntia fragilis* acc. 10247
2 destr

12.218 *Hylocereus Lemairei* 10⁺ acc. 10248.
1

12.219 *Opuntia whipplei*? acc. 10215
(New species collected by P.C. Standley in 1911!)
2

12.220 *Opuntia*,
1 destr. 3

12.221 *Mamillaria* ^{not} *Wrightii* ["] acc. 10202.
Box spec. 1

12.222 *Pelecypora aselliformis* 1

12.223 *Cereus Lemaireocereus griseus*
"Thurberi!" or *C. eburneus* 1

12.224 *Echinocereus amoenus* #1
Dead & preserved 2

12.225 *Mamillaria candida* 1

12.226 " } "decipiens" 1

12.227 *Pereskia* acc. 10201
1

Utah, Salt Lake City. Grantsville, Tooele Co.
A. O. Garrett.

My Bot. Gard. 27689

New Mexico, near Santa Fe.
T. D. A. Cockerell.

Mexico, San Luis Potosi.
Mrs. Irene Vera.

#1

#2

#3

Mexico from Prof. C. Conzatti
C. Conzatti.

12.228 *Echeveria* 10201
_{1 det.} *Thompsonella minutiflora* LHB

12.229 *Cereus*

12.230 *Coryphantha*

12.231 *Opuntia decumbens*

12.232 "

12.233 *Hylocereus trigonus* Acc. 10199.
2

12.234 *Nopalea cochenillifera*

12.235 *Opuntia Dillenii* 2
Dead

12.236 *Cephalocereus*

12.237 *Opuntia fragilis* Acc. 10200
_{1 det.} 2

12.238 *Echinocereus aggregatus*

12.239 *Opuntia*

Mexico, Oaxaca, Tomellin Cañon
C. Conzatti.

Camino de Ilacolula

Almoloyas, Tomellin.

Ilacolula

Porto Rico, Juana Diaz,
Alex Wetmore

Arizona, Flagstaff.
G. Dykes #1
#2

#3

Aug. 1912

- | | | | |
|--------|--|-------------------|--|
| 12.240 | <i>Opuntia whipplei</i> | 10200 | |
| 12.241 | " | | |
| 12.242 | " <i>whipplei</i>
1 detri. | | |
| 12.243 | <i>Echinocereus aggregatus</i> | | |
| 12.244 | <i>Opuntia</i> | | |
| 12.245 | <i>Echinocereus aggregatus</i> | | |
| 12.246 | <i>Mamillaria arizonica</i> ? | | |
| 12.247 | <i>Nopalea amberi</i>
" <i>dejecta</i> | Dead
Acc 10201 | |
| 12.248 | <i>Nyctocereus</i> n. sp.
<i>apocactus conzatti</i> | | |
| 12.249 | <i>Cereus quisco</i> Remy
(Seeds) | Acc. 10245 | |
| 12.250 | "
(Seeds) | | |
| 12.251 | "
(Seeds) | | |

#4

#5

#6

#7

#9

#10

#11

Mexico. Oaxaca, suburbs of.
C. Conzatti.

Chile, J.D. Husbands
S.P.D. 33824 Thru Dr. Fairchild's Office.
33826
33827

- 12.252 *Opuntia Maihuenia* 10245
 (Seeds) Bus Js 1
- 12.253 Cactus
 (Seeds) Bus Js 1
- 12.254 " "
 (Seeds) 1
- 12.255 " "
 (Seeds) Bus Js 1
- 12.256 " "
 (Seeds) 1

12.257 *Opuntia polydantha* acc 10247
 1

12.258 *Gormania oregana* acc 10246
 HNB 5

12.259 *Mamillaria Karwinskiana* acc
 10249
 1

12.260 *Opuntia* acc. 10261
 2 destr. 30[±]

Chile S.P.D. 33828 (J.D. Husbands)

33829

33830

33831

33832

(See 12.290)

Utah, Tooele Co., near Grantsville.
 A.O. Garrett!

Oregon Cherry Canyon, near Crystal.
 Miss J.P. Rose.

Mexico,
 C. Conzatti #23

Kansas, Topeka
 Dr. J.W. Rose # 17003

Sept. 13, 1912

12.261 Echeveria acc. 10262

12.262 Sedum
1 destr.

12.263 Opuntia
& Cylindrop. acc. 10264

12.264 Opuntia
& Cylindrop. small form.

12.265 Echinocereus Dead acc. 10261
1 destr. & destroyed

12.266 Mamillaria
2 destr. 1 destr. #

12.267 Opuntia
1 destr. Dead

12.268 Opuntia #

12.269 " polyacantha #

12.270 Opuntia acc. 10243
3

Germany, Erfurt. 9-7-12.
Haage u. Schmidt.

Mrs. Irene Vera.
Mexico, San Luis Potosi
#1 Recd. 9/18/12.

#2

Kansas, Syracuse. 9-16-12.
J.N. Rose #17048

#17049

#17050

Colorado, La Junta
#17051

#17052

Louisiana, Marksville 9-14-12
W.L. McAtee

12.271	Opuntia 1 destr.	2	✓
12.272	Mamillaria Navarrei	acc 10242	
12.273	"	1	
12.274	"	1	
12.275	Mamillaria 2 destr.	acc 10261	
12.276	Opuntia	4	
12.277	Echeveria	acc. 10241	
12.278	Opuntia 1 destr. 1 dead destroyed	acc. 10261	
12.279	Mamillaria vivipara	8	
12.280	Opuntia	10229	

Colorado, Yuma
H. L. Shantz. 9-20-12

Arizona, Foothills of Santa Rita Mts., south of Tucson,
E. O. Wootton. 9-14-12

Tribune, Kans. 9-18-12

J. N. Rose # 17089
La Junta, Colo. 9-16-12.
17053

Presented by Mr. Swiggert.
(Originally from Scotland)

Kansas, Pratt. 9-23-12

J. N. Rose # 17160
17162

Qual Home, Bas Obispo 8-31-12.
S. P. Verner.

12.281 *Mamillaria missouriensis* 2 ✓

12.282 *Amoreuxia palmatifolia* DC. ✓
"Taya" (Seeds)
Dead-

12.283 *Opuntia fragilis* 1 ✓
(With 12.281)

12.284 *Mamillaria vivipara* acc. 10261 1

12.285 *Opuntia fragilis* 1 dead destroyed 20

12.286 " hybrid 4
1 destr. 1 dead destroyed

12.287 *Mamillaria vivipara* 10
2 destr.

12.288 *Opuntia* hybrid 8
1 destr. 5 Platiop.

12.289 *Mozinia pauciflora* Rose 97 acc. ✓
(Seeds) 1 dead

12.290 *Cereus quisco* acc. 10245 3
Haage jun. (Seeds)

South Dakota, Newell
W. P. Carr #417 B.P.L.

Mexico, Dinaloa,
E. A. H. Tays

South Dakota, Newell.
W. P. Carr #418, B.P.L.

Kansas, Hugoton
J. N. Rose #17125

#17130

#17138

#17139

Mexico, Oaxaca, Sierra de Tlacolula. Aug. 23, 1912
C. Conzatti

Chile
J. D. Husbands. S.P.I. #33825

12.291 *Opuntia* _{§ Platiop.} 1 destr. 1 det ^{acc. 10256} 3

12.292 *Opuntia megarrhiza* _{§ Platiop.} 3

12.293 *Mamillaria fasciculata* ^{acc. 10257} 1

12.294 *Opuntia xanthostemma* _{§ Platiop.} 1 destr. 3 ^{acc. 10263}

12.295 " *monacantha* _{§ Platiop.} 4

12.296 " *Cantabrigiensis* Lynch. _{§ Platiop.} 4

12.297 *Cereus* ^{acc. 10264}
Selenicereus spinulosus 2

12.298 *Opuntia opuntia* (L.) _{§ Platiop.} 2 destr. 6 ^{acc. 10258}

12.299 *Opuntia* _{§ Platiop.} 1 destr. 2 destr. 2 destr. 3 ^{acc. 10248}

12.300 *Opuntia* _{§ Platiop.} 3 ^{acc.}

Texas, Dallas Co., near Irving 9-24-12
A. Ruth

Arizona (B.P.I.)
E. W. Hudson C.P.B. #7590

England, Cambridge
R. Irwin Lynch.

Mexico, San Luis Potosi
Miss Irine Vera

Virginia, Great Falls. Oct. 4, 1912
J. N. Rose

Growing wild in grounds of NYBG. Oct. 7, 1912

Mississippi, Natchez. (Biol. Survey) Oct. 5, 1912
E. G. Holt

12.301 *Sobralia macrantha* acc. 10235
Orchid 1

12.302 *Opuntia* acc. 10260
§ *Cylindrop.* 6

12.303 *Opuntia*
§ *Cylindrop.* 6

12.304 *Opuntia* acc. 10256
§ *Platiop.* 3

12.305 *Ipomoea leptophylla* 10261
(Seeds)

12.306 *Mamillaria vivipara* Haw. acc.
1 destr. (Seeds of 12.266) Bug

12.307 *Mentzelia nuda*, ded
(Seeds)

12.308 *Yucca*
(Seeds)
Ded



12.309 *Mamillaria vivipara* acc. 10259
1 destr.

Mexico, Aire Libre Oct. 1912
H. W. Hixon, *Fernuttan*
(Sent to Nat. Bot. Gard)

Arizona, on road to Sabinos Cañon,
15 miles from Tucson. W. T.
Swingle, C.P.B. # 687.
Mouth of Sabinos
Cañon, W. T. Swingle
C.P.B. # 689

Texas, near Fort Worth
Prof. Albert Ruth.

Kansas, Syracuse.
J. N. Rose # 17032

17049
Colorado, La Junta.
17069

Kansas, near Johnson
17103

North Dakota, Mandan
S. C. Mason C.P.B. # 1132

12.310 *Mamillaria (Coryphantha)* 1 dead ✓
(Seeds)

12.311 *Opuntia humifusa* acc
3

12.312. *Nopaloa coccinellifera* acc
(All made up into Herb. sp.) JHB. 2

12.313 *Mamillaria (Coryphantha) pallida* n.sp.
subsp. 2

12.314 *Hylocereus Conzattii*
apocactus Conzattii 1

12.315 *Pereskopsis*
Pereskia Conzattii 2

12.316 *Opuntia depressa* Rose
1 destr. 1

12.317 *Echinocactus coringensis* 1

12.318 *Opuntia Greenei* 1 dead destroyed
Glochids brown 1

12.319. Glochids yellow 6+ Dead

12.320 *Mamillaria Kunzeana* acc
Duehl + Boderker 2.

Texas, Vicinity of El Paso. Sept. 1912.
Elmer Stearns

Indiana, Lafayette Oct. 15, 1912.
J. C. Arthur.

Mexico, Oaxaca, Agr. Exp. Sta.
C. Conzatti #8

Puebla, Tehuacan
#28

Oaxaca, Cerro San Felipe
#18

" San Juanito
#19

Puebla, Santiago Mixhuatlán.
#33

" Tehuacan.
#36

Colorado, Boulder. Oct. 1912.
T. D. A. Cockerell

Germany, Halle (Saale)
L. Duehl.

12.321 *Sedum* acc.
Ded 3
Ded

12.322 *Opuntia catacantha* acc.
1 destr. *Call'd Nopalea monolifera.* 1

12.323 *Pereskopsis chapistle* 1

12.324 *Nopalea Auberi?* 1
Call'd N. Karwinskiana 1

12.325 *Hylocereus? Acanthocereus* acc.
2

12.326 *Nyctocereus?* " juv. form. 1

12.327 *Acantho Cereus submermis B+R?* 1

12.328 *Rhipsalis Cassytha* 2
1 destr.

12.329 *Hylocereus* acc.
2

12.330 " *Costaricensis*
Cereus polychrysus 1

Arizona; Santa Catalina Mts.
Moist places in shade of cliffs,
4-5000 ft. D. T. MacDougal.

England, Heaton Park, Manchester.
"St. Kitts, oi" R. Lamb. #627.

#766.

#626.

Mexico, Oaxaca de Juarez. Jardin Conzatti.
C. Conzatti A

B

C

D

Bay of Panama, Uruva Ids., Howe, 1910
NyBG. 31788
"From Werckle, 1911"
NyBG. 11984

12.331 *Stauranthus Conzatti* n. sp.
(Seeds)

12.332 *Opuntia Scheeri* ^{1 ded}
(Seeds)

12.333 *Pereskopsis chapistle*
^{1 sp. - ded. - det. Troyd} 2

12.334 *Hylocereus tricoloratus* 2

12.335 *Mamillaria* 3

12.336 *Opuntia* acc
6

12.337 *Pereskopsis* n. sp. 3

12.338 ^{Hyl} *Cereus Lemairei* acc
1

12.339 " *extensus* 1

Mexico, Oaxaca, Cerro San
Antonio, 1800 meters alt.
Distrito del Centro, C. Conzatti

Italy, La Mortola ^{May 16, 1912}
J. N. Rose 17223

Mexico, Oaxaca de Juarez, Oaxaca.
C. Conzatti "E"

"F"

"G"

Colorado, Boulder,
T. D. A. Cockerell.

Mexico, Oaxaca, Xoxo, Monte
alban. C. Conzatti ^{11/10/12}

England, Manchester,
R. Lamb.

- Phyllocactus*
- 12.340 *Phyllocactus bifurcus* 2.
- 12.341 " *Hookeri* 2.
- 12.342 " *lepidocarpus*
1 dead destroyed 1
- 12.343 " *grandis* 2
1 destr.

12.344 *Cereus Bradlei* 1 dead
(seeds)

- 12.345 *Touquieria splendens* Engelm. acc. 1
- 12.346 *Carnegiea gigantea* 2
- 12.347 *Echinocactus Wislizeni* 2
- 12.348 *Peniocereus Greggii* 3
- 12.349 *Mammillaria Grahami* 4
- 12.350 *Echinocereus Engelmanni* ? 1

(England, Manchester.
R. Lamb)

Costa Rica, San Jose, Museo Nacional
D. Jimenez # 616

Arizona, Sacaton, Pima Indian School.
Frank W. Thackeray.

12.351 *Opuntia leptocaulis* 4

12.352 *Opuntia acanthocarpa* 1

12.353 " *arbuscula*? 1

12.354 " *Bigelovii* 1

12.355 " 1 destr. 1

12.356 *Opuntia*
(Seeds of 12.351)

12.357 *Selenicereus* dec. 1

12.358 *Hylocereus* 1

12.359 *Selenicereus*
" *not grandiflorus*" 1

12.360 *Hylocereus polyrhizus* 2

12.361 *Selenicereus brevispinus* 1
1 destr.

12.362 " " 1

(Arizona, Sacaton
Fr. Thackeray)

Cuba, Santa Clara,
NYBG. 31983 N.L.B. 1910

NYBG. 6170 Simon

NYBG. 6689 Simon, Paris, 1901

Colombia, Weinberg 1902
NYBG. 14641

Cuba Shafer 338

NYBG. 30107

Bahamas New Providence 868 1904

NYBG. 21519

- 12.363 *Hylocereus ocamponis* 3
- 12.364 "*Mediocactus coccineus* B. & R.
Inkulu 1
- 12.365 *Selenicereus* 1
- 12.366 *Hylocereus triangularis* 1
1 dextr.
- 12.367 " 1
- 12.368 *Cereus pentagonus*
= *Selenicereus rigidus* 1
- 12.369 *Selenicereus fulvocornatus* 1
- 12.370 *Hylocereus polyrhizus* 1
1 ded
- 12.371 *Selenicereus Maxonii* 1
- 12.372 *Selenicereus grandiflorus Maximilianus* 1
- 12.373 *Hylocereus* 1
- 12.374 " 1

- Mr. Barre 1901
NYBG. 9772
"Pernambuco" Simon 1901
NYBG. 6787
Cuba, El Cobre 1912.
NYBG. 35226 B.C. 12879.
F. Weinberg 1910
NYBG. 32770
NYBG. 22197
Simon - 1901
NYBG. 6791
Haiti Nash #1504 1905
NYBG. #24088
Weinberg 1910.
NYBG. #6232
Bahamas, N.L.B. #2824 1905
NYBG. #22105
Italy, La Mortola. Berger by Rose 1912
NYBG. 36314
Santo Domingo, Taylor #314 1909
NYBG. #31795
NYBG. 27689

12.375 *Coryphantha Cubensis* 2

12.376 *Opuntia* acc
1 destr. *rhodantha?* 3

12.377 *Opuntia Texana* acc

12.378 *Hylocereus Guatemalensis* 2
Cereus trigonus guatemalensis 2 + 1

12.379. *Hylocereus* 1
Cereus Napoleonis

12.380 *Hylocereus* 1
Cereus extensus

12.381 *Hylocereus* 1
Cereus Lemairei

12.382 *Opuntia* acc

12.383 *Mamillaria elegans* 2

12.384 *Opuntia Nelsonii* Rose 1

12.385 *Opuntia* 1
1 destr.

Cuba, Oriente Shafer #12432 '12
Nyss. 35225

Colorado, Boulder,
T.D.A. Cockerell

Italy, La Mortola. A. Berger.

Mexico, Oaxaca. Bet. Alusloyas & Tomellin. Nov. 1912
E. Conzatti "GG"

"J"

"FF"

"H"

12.386	Mamillaria	acc	
	"Bocosana"	1	
12.387	"modesta Rose nsp.		
	"Caput Medusae"	1	
12.388	"		
	"Centricircha macrantha"	1	
12.389	"		
	"dolicho centra"	1	
12.390,	"		
	"decipiens"	1	
12.391.	"		
	"pectinata"	1	
12.392.	"		
	"conoidea"	1	
12.393.	"		
	"wrightii" 1 dead destroyed	2	
12.394	"		
	"spinosissima"	1	
12.395	"		
	"potosina"	1	
12.396	"		
	"uncinata"	1	

Mexico, San Luis Potosi, S. L. P., Nov. 28, 1912
 Mrs Irene Vera

12.397 *Epiphyllum Gaillardotae* Rose, ^{acc}
"sp. 3

12.398 *Rhipsalis Cassytha baccifera*
5

12.399 *Cereus Aragoni* ^{acc}
2

12.400 *Cereus* ^{acc}
"fulgidus" 1

12.401 " " ^{acc}
"polyrhizus" 1

12.402 " " ^{acc}
"Boeckmannii" 1

12.403 *Hylocereus* 1 dead destroyed
"setaceus" 1

12.404 " " ^{acc}
" " 1

12.405. *Opuntia cholla* (Seedling) 1

12.406 *Nopalea luberi* 1

Canal Zone, Bas Obispo
S.P. Verner

Costa Rica, San José, Museo
Nacional, Alfaro.

England, Manchester, Heaton Park
R. Lamb # 61

129

19

145

654

623

- | | | |
|--------|---|-------------|
| 12.407 | ^{Hylb}
"Cereus Purpusii"
(Spec. ded) | acc |
| 12.408 | " Vaupelii " | / |
| 12.409 | " caesioides " | / |
| 12.410 | " Chilensis "
1 ded | / |
| 12.411 | Epiphyllum crenatum | acc |
| 12.412 | " flavescens det. | / |
| 12.413 | " | <u>dead</u> |
| 12.414 | " latifrons | / |
| 12.415 | " | / |
| 12.416 | Rhipsalis | / |
| 12.417 | Epiphyllum macropterum | / |
| 12.418 | " cartagense | / |

Germany, Erfurt
Haage & Schmidt.

- Geneva, 1912. Dr. Rose.
NypB. 36210
Werckle, 1901
NypB. 11966
Werckle, 1902
NypB. 11996
Italy, La Mortola, Berger thru Dr. Rose
NypB. 36317
- Geneva 1912. Dr. Rose
NypB. 36211
- Costa Rica, San José, W.R. Maxon
NypB. 24943
- "Piedras Negras" - Werckle, 1902.
NypB. 11993
Wainberg 1903
NypB. 19161

12.419 *Epiphyllum stenopetalum* acc

12.420 " *cartagense robustum*

12.421 " *cartagense*

12.422 *Opuntia rutilis* acc
| destr.

12.423 *Echinocereus Engelmannii*

12.424 " " ?

12.425 *Echinocactus Wislizenii*

12.426 *Pilocereus Celsianus* acc
Oreocereus

12.427 " *Dautowitzii*

Simon, 1901

NYBG 6137

Weniger 1903

NYBG 19161

W. Maxon 1906 - Costa Rica

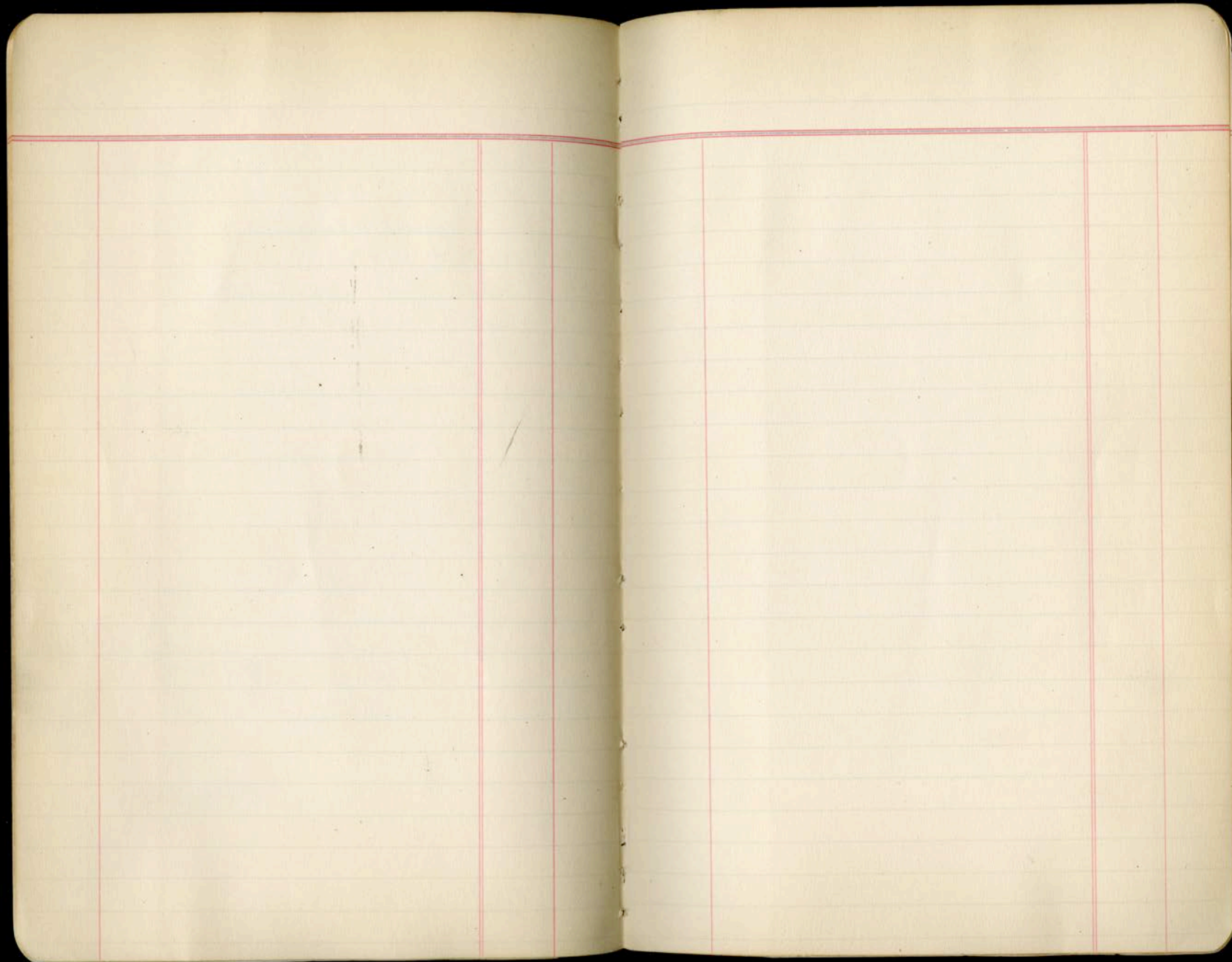
NYBG 24944

Arizona, Coconino Co., Supai
A. H. Snymons.

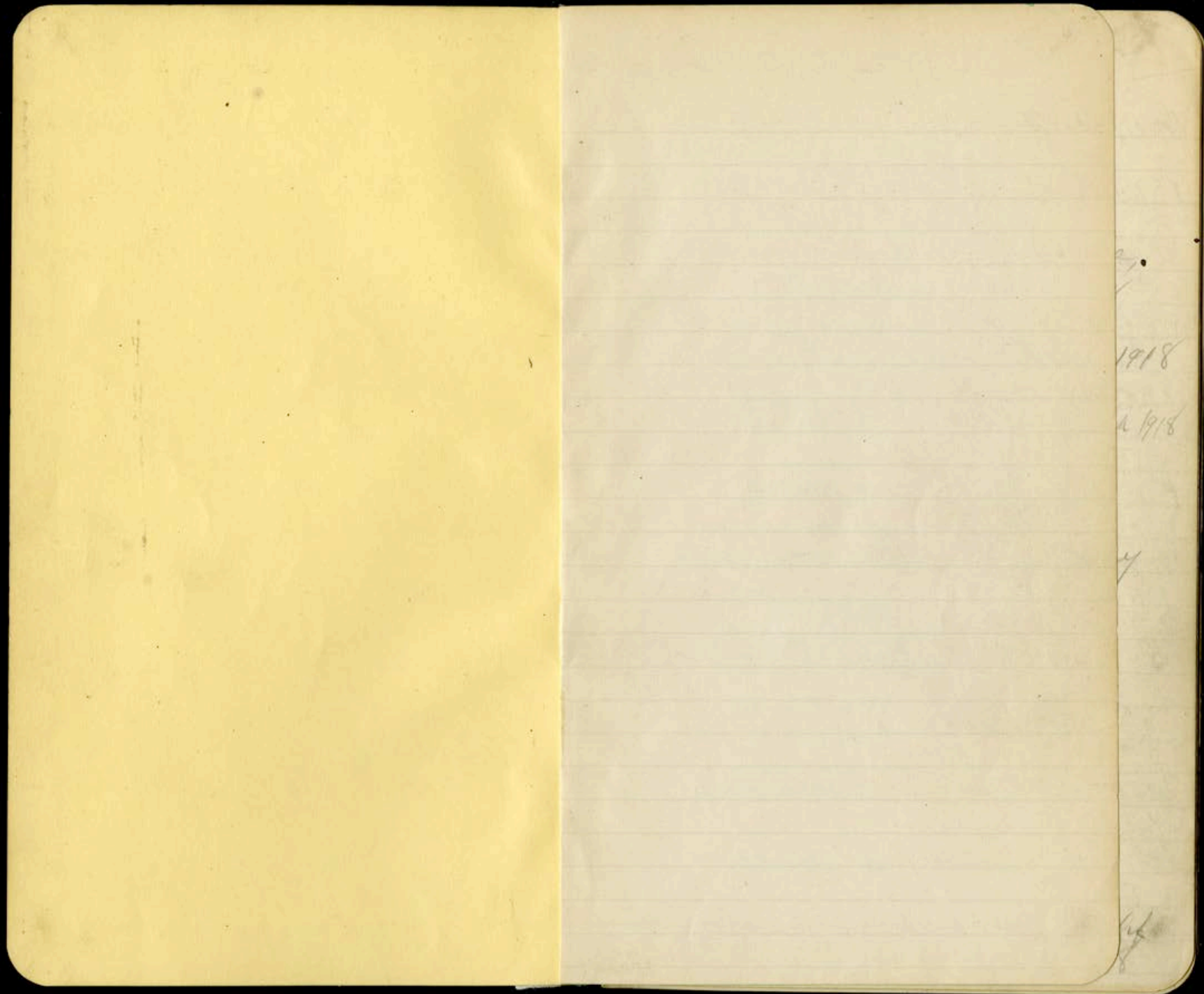
det.

Germany Erfurt.
F. A. Haag jun.

Dec. 18, 1912.



1918-1921



1918

1.

- 2. *Silozymella*
Chico, Calif.
- 18.3 *Pereskia pereskia*
- 18.4 *Echinocactus virecens*
- 18.5 *Mamillaria dioica*
- 18.6 *Coryphantha durangensis*
- 18.7 *Selenicereus* ^{Dead, destroyed.}
- 18.8 *Rhipsalis*
- 18.9 *Coryphantha retusa*
- 18.10 *Pereskia Lehmannii*
- 18.11 *Sedum compactum* Baillon

Chico, Calif. G. P. Van Eseltine,
collected Feb. 24, 1918

Bahia Brazil. L. Lehmann 1918

South Cal. Dr. Shantyman 1918

Mexico
1914. Dr. Chaffey

Isthmus Tehuantepec Mex
C. Conzatti

Oaxaca Conzatti

Bahia, Brazil

Onland Peak, San Antonio Mts, Southern Calif.
F. M. Johnston #1814 March 24 1918

18.12 Selaginella

18.13 Hasseanthus

18.14 Hasseanthus

18.15 Dudleya

18.16 Dudleya

18.17 Dudleya

18.18 D. pulverulenta

18.19 Hylcoenus

18.20 Mamillaria karwinskiana

18.21 Dudleya pulverulenta

18.22 Bulb.

18.23 Sedum

California, G. P. Van Eseltine, coll.
(Rec'd Apr. 16, 1918)

Lone Hill, South of Glendora - Los Angeles
Cal. J. M. Johnston # 1918

California, Hills South of Britania
J. M. Johnston # 1918

Cucamonga Cañon, San Antonio Mts. San Bernar-
dino Co. Cal. J. M. Johnston. Apr. 1 # 1918

San Jacinto Cañon, San Jacinto Mts, Riverside Co.
Cal. J. M. Johnston. Apr. 3 # 1918

Lone Hill South of Glendora, Los Angeles Co. Cal.
J. M. Johnston. Mar. 30, 1918

Hills S. of Ontario - San Bernardino Co. Cal.
J. M. Johnston. Mar 31, 1918

Honduras F. J. Dyer 1918

Oaxaca B. P. Rebo. 1918

Cal. Chula Vista Cal. April 27 1918

France Dr. Glover Wilcox 1918.
Near Joul

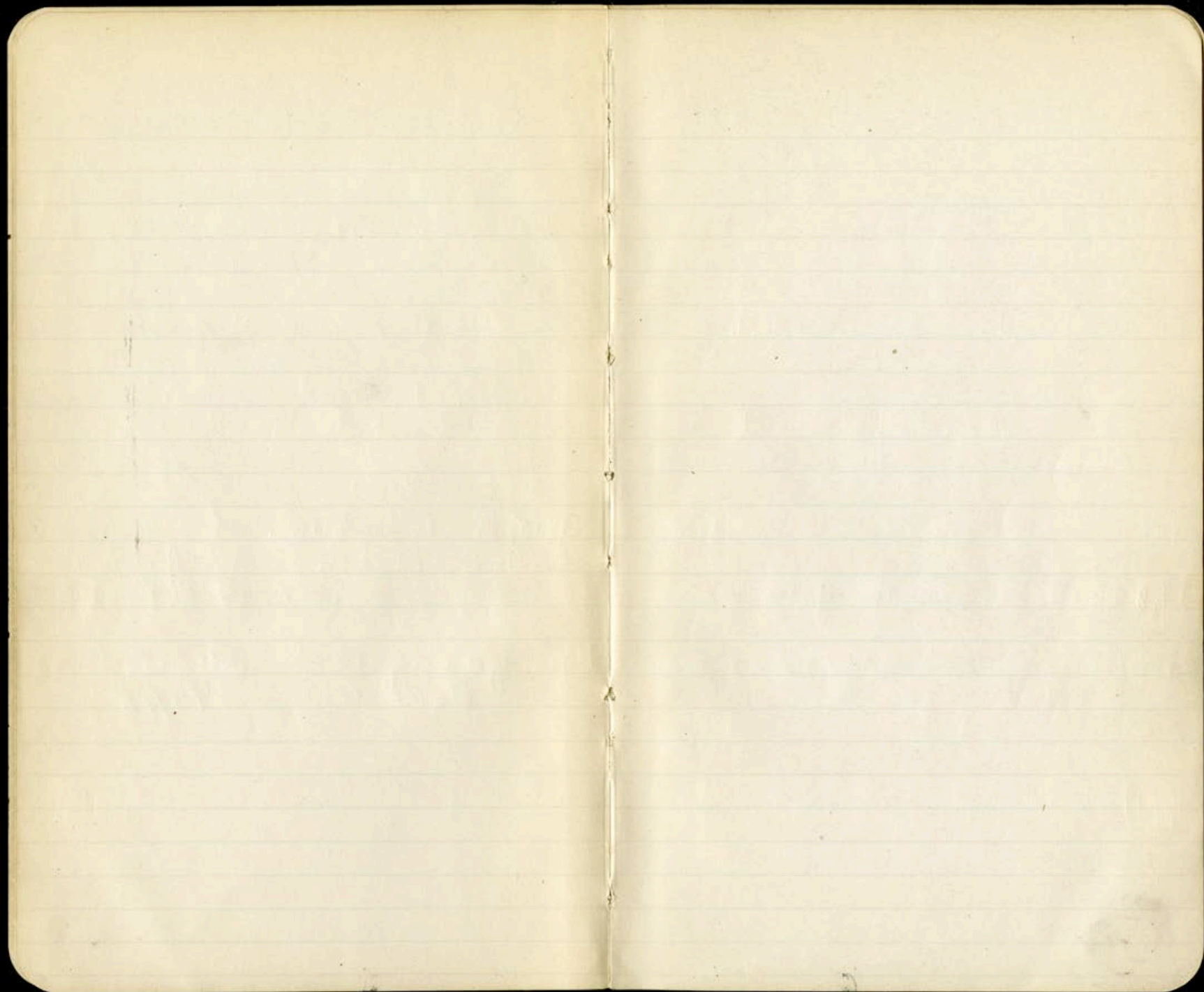
France, Near Joul.
Dr. Glover Wilcox 1918

- 18.24 Sedum.
- 18.25 Agave lechuguilla
- 18.26 Opuntia
- 18.27 Lemniscocerus.
- 18.28 Acanthocerus
-
- 18.29 Echinocactus viridescens
Dead & preserved
- 18.30 Cactus dyeri
- 18.31 Opuntia occidentalis
- 18.32. Opuntia occidentalis
- 18.33 Opuntia serpentina
- 18.34. Mammillaria dioica
Dead & preserved
- 18.35 Opuntia prolifera

- Near Yonk, France
Dr. Glover Wilcox
El Paso, Texas
E. O. Wooten
March 26/1918
- Teguicigalpa, Honduras.
A. 276. J. J. Dyer, April 16, 1918
- Teguicigalpa, Honduras.
A. 273. J. J. Dyer, April 9, 1918
- Teguicigalpa, Honduras
A. 272 - J. J. Dyer. April 9, 1918
- Dr Shantz Southern Cal. May 1918
- Comayagua, Honduras
George W. Ellis A 267
Southern California,
Dr. Shantz. May, 1918.
- Southern Cal.
Dr. Shantz May, 1918.
- Southern Cal.
Dr Shantz May, 1918.
- Southern Cal.
Dr. Shantz May, 1918.
- Southern Cal.
Dr Shantz May, 1918

- 1836 Tacuipa funebris
 Dead
 1837 Rhypsalis angustissima
 3 specimens
 1838 Mammillaria
 Dead & preserved
 1839 Mammillaria similis
 seeds
 1840 Opuntia
 1841 Echinocereus
 Dead & preserved
 1842 Echinocactus cylindricus 3 sp.
 1843 Pearea
 1844
 orchid

- Bahia Brazil, September 1917
 Costa Rica
 Alfredo Brache June 6, 1918
 Oberholser, H. C.
 Near Mandan N. D. June 1918
 A. Ruth
 Polytechnic, Texas June 1918
 Camp Hancock, Augusta, Georgia
 Robert Leslie (H. S. Small) June 7, 1918
 Eggston 1918
 Southern California
 S. C. Mason, June 1918
 Honduras
 Dyer
 Near Zaragura, ~~Ecuador~~
 Ecuador 9/7/18



- 19.1 *Saintpaulia ionantha* 3 sp.
- 19.2 *Cereus setosus* 8 cuttings
- 19.3 *Cereus* night-blooming. 3 cuttings
- 19.4 *Crypanthe retusa* dead
- 19.5 *Diarrhia*
Dead preserved
- 19.6 *Opuntia keyensis* Britton 2 cuttings
- 19.7 *Opuntia* 3 cuttings
- 19.8 *Opuntia macrantha* Gibbs 4 cuttings
- 19.9 *Opuntia tinoides* Gibbs 2 cuttings
- 19.10 *Echeveria* seeds
- 19.11 *Opuntia occidentalis*
- 19.12 *Opuntia*
- 19.13 *Opuntia*

- Colombia, Medellin,
W. O. Wolcott. Nov. 8, 1918
- Colombia, Medellin
W. O. Wolcott. Nov. 8, 1918
- Oaxaca, Mexico.
Dr. B. P. Rabe
- Jigucigalpa, Honduras, ^{5,000 ft. alt.} 20 mi. n.w.
Financas Dyer (A 302)
- Hammock, Key Largo, Florida.
J. K. Small, April, 1916
- Magangue, Colombia, (near)
J. W. Pennell, (46074) 1918
- James Island, Charleston, S. C.
J. K. Small, Feb. 7, 1919.
- Rockwell, S. C.
J. K. Small Feb. 6, 1919.
- H. Pittier (no 7043)
Los Chinos de Tomale, Venezuela
- Santa Ynez, California
J. P. Harrington Feb. 1919
- Specimen No. 1. Distinguished by its
taller, almost tree-like growth, generally
larger size and good flavor of its
fruit. Often grows among the other species

19.12 *Opuntia Covillei*

19.13 *Opuntia Covillei*

19.14 *Opuntia basilaris*

19.15 *Calisia repens*

19.16 *Schumbergiana russelliana*

19.17 *Echinopsis multiplex*

but can be distinguished."

Santa Ynez, Cal.

J. P. Harrington.

Feb. 1919.

Specimen No. 3. "Distinguished by its lower growth (plant is practically identical with that of specimen No. 2) but has very small roundish fruit. No specimens of the fruit were obtainable."

Santa Ynez, California.

J. P. Harrington.

Feb. 1919.

Specimen No. 4. "Distinguished by its lower growth (plant is practically identical with that of specimen No. 2), but its very small roundish fruit has a saline taste."

El Dorado Canon, Clark Co., within 7 miles of Colorado River,

Loar Tidestrom, No. 8863, April 4, 1919.

Santo Domingo

J. U. Rose

No. 13,4175.

1913.

Brazil

J. U. Rose

21171

U. S. B. G. No. 41330.

- 19.31 *Opuntia* seedling
- 19.32 *Opuntia eminea* (2) plants
D. Britton
- 19.33 *Opuntia*
- 19.34 *Echinocereus rigidissimus*²
- 19.35 *Echinocereus rigidissimus*
- 19.36 *Coryphantha vivipara* form
- 19.37 *Mammillaria ulcospia*
Dead & mounted
- 19.38 *Hylsocereus calcaratus* B. & R.
- 19.39 *Hylsocereus stenopleurus* B. & R.
- 19.40 Aloe
- 19.41 *Mesembryanthemum*
- 19.42 *Adiantum* 2 forms
- 19.43 *Opuntia*

Nogales, Arizona
J. J. Ager (a324) June
Goldfield, Nevada (9786)
Ivan Idstrom, June 5
Nogales, Mexico
a. 325 - J. J. Ager June,

a. 328 "

a. 331 "

a. 329 "

a. 330 "

San Marcos, Costa Rica
C. W. Ericklé "

C. E. Hyslop

"
Petaluma, Sonoma Co. Cal.
George S. Yule
Bel. Hardesty & South River, Anne Arundel Co. Md.
W. R. Maxon. June 29.

- 19.44 *Mammillaria*
- 19.45 *Phaedronassa bicolor*
= Rose 22573
- 19.46
= Rose 22573
- 19.47
= 25849
- 19.48
= Rose 22573 fl. to h. y. 9/9/19
buds to be ant.
- 19.49 *Eucroea morleyana* Rose sp
= Rose 22573
- 19.50 *Phaedronassa bicolor* sp
= Rose 22573
- 19.51 - *Phaedronassa bicolor*
= Rose 22573 = 19.52
- 19.52 *Phaedronassa* fl. 8/19/19
= Rose 22573
- 19.53
= Rose 22573
- 19.54 *Commelina*
= Rose 22622
- 19.55
= 22295, (*hypocotyledon*)
- 19.56

Near Comayagua, Honduras. A335
By Jose Maria Aguirre for F. J. Ayer, Nagales, June 1919

July 9, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

July 10, 19

(Rose-Ecuador 1918) - July 10, 19

(Rose-Ecuador, 1918)

July 10, 19

19.57

Agave intermixta Treb.
"Seeds of Aloe"

19.58

Zephyranthes biflora
"Bulbs of a Lily"

19.59

orchid

ny

19.60

"

ny

19.61

"

ny

19.62

"

ny

19.63

"

ny

19.64

"

ny

19.65

"

ny

19.66

"

ny

19.67

"Limo Cactus, vizmaguiter" 2 - ny

19.68 *Setereasca*

Commelinaceae = 07.183

19.69 *Commelina*

Dr. H. L. Abbott

Apr. 19.

Constanza, San Domingo 3500 ft

Dr. W. L. Abbott

Constanza, S. Domingo Apr. 19

Dr. W. L. Abbott

Hondo Rio Grande Valley, S. Domingo, May 8, 19

"

"

"

"

"

"

"

"

"

Dr. Rebo

Oaxaca

growing in cactus greenhouse

July 10, 19

growing in cactus greenhouse

July 10, 19

19.70. *Callisia*

71 *Echinocereus rigidissimus*

72 " "

73 *Mamillaria MacDougalii*

74 *Opuntia Santarita*

75 *Monoisletia cavendishii*

76 *Selenicereus*

77 *Cooperia drummondii*

78 *Mamillaria*

79 *Rathbunia*

80

81 *Mamillaria vinifera*

82 *Echinocactus Wislizenus*

1-U.S. 5-11/19

1-U.S. 4-11/19

1-U.S. 11/19

Growing in N.W. corner cactus greenhouse

July 15, 1919

D. G. Dyer, Nogales, Ariz. May 31, 1919

= A 314 / "4000 ft. near top of rocky hill"

= A 315

D. G. Dyer, Nogales, Ariz. June 22, 1919

= A 333 (side of rocky hill 1/2 mi. w. of town)

D. G. Dyer, Nogales, Ariz. June 19, 1919

Top of rocky hill on western edge of town - A 332

Calilegua, Argentina; (Shaffer, 1917 - 74A)

= D. G. Dyer # 45476 Received July 19, 1919

S. T. Thomas, Virginia, Va.

= 18.?

Seeds planted by Mr. Correll 7/12/19; fl. found 7/25/19

E. C. Rost

Colorado Desert, Cal. 1919

= N. Y. B. G. 12469

McDougal; Sonora Mex. 1902

Nogales, Sonora, Mex.

D. G. Dyer

July 13, 1919

"

"

- 19.83. *Opuntia*
- 19.84. *Stizolobium*
85. *Mammillaria*
86. *Mammillaria*
87. *Mammillaria*
88. *Mammillaria*
89. *Mammillaria* T.M.Y.
90. *Eucrobia morleyana*
 = 22593 near Phaedranassa fl. Aug 1920
91.
 = Rose 22573
92. *Crassula rosularis*
93. *Crassula conymbulosa*
94. *Glyphis sulphurea*
 seeds out
95. *Mammillaria naedragalii*

F. J. Dyer:
 Weyler, Sonora July 13, 1919
 = Rose 22651 Ecuador

Dr. Reko
 Nuevo Laredo, Coahuila, Mex. July 29, 1919

Orcutt
 San Diego, Calif. Aug. 1919
 Orcutt
 San Diego, Calif. "

Cape Town S. Africa
 E. E. Hipscher ^{granger} Barboursville, W. Va. 8/20/19

(Flora Ind. 1925)
 E. E. Hipscher Barboursville W. Va. 8/20/19
 F. J. Dyer, (Miss. back of Nogales, Ariz.
 (= A342) 8/3/19

19.96 *Mammillaria macdougalii*
to N. Y.

97 " " to N. Y.

98 " " to N. Y.

99 " *vivipara*
part to N. Y.

100. *Locinva pentlandii*

101. *Opuntia pentlandii*

102. *Trichocereus candicans*

103. " *spachianus*

104. " *lamprochlorus*

105. *Mouvillea cavendishii*

106. *Selenicereus hamatus*

107. *Harrisia*
(*Cereus atropurpureus*)

108 *Cereus zaucacari*

P. J. Dyer, (rocky hillside n. of High School)
(= A 346) Nogales, Ariz. 8/10/19

(= A 347) " " "

(= A 348) " " "

(= A 349) 4000 ft. alt.

C. G. Abbott

El Alto, above La Paz, Bolivia May 28, 1919.

Theodosia B. Shepherd Co, Sept 2, 1919
Ventura, Calif.

- 19.109. *Sedum mellitulum*
=683
- 19.110. *Opuntia*
- 19.111. *Pelecyphora festinata*
- 19.112. *Manillaria elongata* DC
- 19.113 *Manillaria sphaeelata*
- 19.114 *Coryphantha pallidula* Rose
- 19.115
- 19.116 *Manillaria missouriensis*
- 19.117 *Haworthia* sp.
(seedling)
- 19.118. *Rochea* sp.
(Seedling)
- 19.119. *Aloe lineata*
(seedlings)
- 19.120. *Opuntia*

- M. E. Jones, Mex.
Flowered in greenhouse Sept. 29, 1919
- Mrs. J. D. More, Houston, Texas
Sept 15, 1919.
- ^{Caraca}
Dr. B. P. Rebo, Mexico Sept. 30, 1919
5 to N. Y.; 2 to Mr. Post; 2 to Hipsher
- Hills behind El Riego, Tehuacan Mex
Dr. B. P. Rebo (#4212) Sept. 7, 1919.
- " "
(#4210)
- " "
(#4211)
- J. E. Aspinwall, La Grange, Ky. 10/28/19
- (No. 378) E. E. Hipsher. ^{Collected}
Cape Town, South Africa
- (No. 393) E. E. Hipsher
Cape Town, South Africa
- E. E. Hipsher.
Cape Town, South Africa
- F. J. Dyer
Arizona close to ^{the} border "Mogale" 11/3/19

19. 121. Mammillaria
19. 122. Echinocereus rigidilobus

19. 123. ~~Phyllocactus~~
Zygocactus truncata Sch. ^{ex} Berger

19. 124. Mammillaria lasiocantha
var demundata

19. 125. " micromeris

19. 126. " "

19. 127. " "

19. 128. Opuntia prostrata

19. 129. Opuntia vulgaris

19. 130. Opuntia leucotricha

19. 131. Echinocactus recurvus

19. 132. Mammillaria

19. 133 Mammillaria pyrrocephala

P. J. Dyer; from Honduras 11/3/19
growing at Nogales, Mex.

P. J. Dyer, 11/2/19
Nogales, Arizona

In greenhouse without data 11/29/19
except 6-3-18, M. Truitt

Canutillo Co. #1 11/21/19
Box 74, Canutillo Texas

" 28 mi #2 "
found El Paso, Texas "

E. P. #3? "
Huaco Mts. on ledges
limestone "

" #4 "
" " "

E. C. Post, Alhambra, Calif.
" " "

" " "
" " "

B. P. Reko, Oaxaca, Mex. 11/10/19
" " "

" " "
" " "

19.134. *Strophostyles helvola*

19.135 *Ophelia brachycarpa* Small red

19.136 *Epidendrum tampense* Small.
Orchid

Seeds, J. M. Rose Atlantic City N. J.
Sept. 1919.

Shell mounds 5 m. South of Delora. Fla
Nov. 30 1919

Florida (Exact origin unknown)

Found in dept of ag. greenhouse Dec. 1919

20. 1. *Mammillaria recurvata*
2. *Opuntia dillenii*
3. *Harrisii*
4. *Echinocactus bicolor*
5. " *conglomeratus*
6. *Coryphantha*
seeds preserved
7. *Lophophora williamsii*
8. *Mammillaria elegans*
9. *Echinocereus pectinatus*
10. *Pereskia Congatti*
11. *Echinocereus reichenbachianus*
12. *Echinocactus coniguus*
13. *Rhipsalis*

Nogales, Mex., Jan. 1920.
 P. J. Dyer.

Terra Ceia, Fla. Jan. 1920
 J. R. Robinson

Matillo, Coahuila Jan. 1920
 B. P. Rebo

"
 garden, Mex.

"

"

"

C. Congatti Mexico Received Feb 1920
 Two seeds planted.

E. D. Schultz Feb. 1920.

Classen Ranch, Bexar Co. Texas

C. Congatti Feb. 1920

Oaxaca Mexico

J. Stahel March 1920.
 Paramambo, Surinam

- 20/14. *Mammillaria macromeris*
1 specimen
- 20.15 *Peperomia*
see 20.17 1 to Kew
- 20.16 "
= Rev 24078 1 to Kew
- 20.17 *Peperomia magnoliifolia* DC.
= 20.15
- 20.18 *Hyloteleium* 2 specimens
- 20.19 *Phyllocnistis similis* Beauv.
- 20.20 *Mammillaria radiosa desertii* Condit
- 20.21 *Echinocactus polyancistrus*
- 20.22 *Mammillaria tetraancistra* (sometimes called *M. phellosperma*)
- 20.23 *Echinocereus engelmannii*
- 20.24 *Epiphyllum weingartii*
dead
- 20.25 *Mammillaria*
- 20.26 *Mammillaria*

Rincon, New Mexico.
A. J. MacDougal, March 13, 1920.
H. E. Safford Florida

J. M. Rose near Huesca Ecuador

Royal Palm State Park Paradise Key
1917 H. E. Safford (20.17)
H. O. Walcott, Medellin Colombia 1919

Part of type Record from Beauverd 1920

E. C. Rod So. Calif. March 1920

E. C. Rod March 1920

E. C. Rod March 1920

E. C. Rod March 1920
(Cultivation). Darmstadt
A. Berger March 1920
Mexico
O. Solis March, 1920

- 20.27 *Mammillaria elegans*
 20.28 *Echinocactus grandis*
 20.29. *Echinocactus falconeri*
 20.30 *Echinocactus longhinatus*
 20.31 *Mammillaria karwinskiana*
 20.32 *Mammillaria* sp
 20.33 *Echeveria sprucei*
 20.34 *Solanum*
 20.35 *Cactus*
 Dead & preserved
 20.36. *Cactus melacactoides*
 20.37. *Rhipsalis*
 Growing on *Anacardium occidentale*
 20.38. *Echinocereus orcuttii*

Mexico
 Oclaro Solis March, 1920
 " "
 " "
 " "
 " "
 " "
 Ecuador 1918
 J. H. Rose.
 Calama, Chile March 1920.

} "Near sea-strand, some kilometers north
 of the light-house at Pituba [Brazil]
 on the hills of pure white sand."
 L. Zelentner 2/13/20
 Curitiba, vicinity of Cacholira and
 S. Felix 2/13/20
 L. Zelentner
 Cape Colnett, Lower Calif.
 C. R. Orcutt July 1919

20.39. Mammillaria

20.40. Echinocactus

20.41. Mammillaria heyderi

20.42. Echinocereus erinacanthus

20.43. Echinocereus reichbachianus

20.44. Dudleya brauntonii

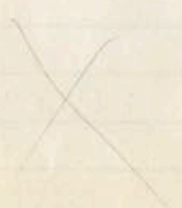
20.45. Rhipsalis jamaicensis

20.46. Opuntia dillenii

20.47. Rhipsalis caryophylla

20.48. Cactus melocactus

20.49. Mammillaria similis



"Within 40 miles of Tucson" Arizona

Forest Service 1920

Near San Antonio, Texas

Mrs. Ellen Schulz 4/22/20

11

11

11

From Jeff Boddy & Brauntorn 4/22/1920

Near Los Angeles Calif

Maxon & Killip #1509. Spanish, Jamaica 4/1/20

Near Port Antonio, Jamaica

Maxon & Killip #1702 4/20/20

Spanish, Jamaica

Maxon & Killip #1574

Hope River Valley, near Rockfort,

Jamaica; Maxon & Killip #1705 4/8/20

Polytechnic, Texas

A. Ruth 4/29/20

"tufts .3 ft. across"

20.50 *Echinocactus cylindraceus*

20.51

Amaryllidaceae

20.51 *Wilmettia minutiflora*
1 to ny.

20.52 *Epiphyllum*
" *Decebel*

20.53 *Scamnia testudo*
1 to ny.

20.54 *Epiphyllum phyllanthus*?

20.55 *Opuntia boldingii* B. & R.

20.56 *Nylocereus lemnaei* B. & R.
(Hook.)

20.57 *Lemnaecocereus*

20.58 *Rhipsalis coccinea*?

20.59 *Opuntia*

20.60 *Opuntia austrina*

Col.

Peru

Pochono (= 122 seeds) Ecuador

Guatemala May 1920
Harry Johnson #15 (164)

" #16 (165) "

" #17 (163) "

Paramaribo, Surinam
Gerald Stahel #1 May 1920

#2

#3

#4

#5

(Type 9) Big Pine Key, Fla.

J. R. Small 1919

" Cape Sable, Fla 1916

- 20.61 *Opuntia*
 20.62 *Opuntia*
 20.63 *Opuntia macrantha*
 20.64 *Opuntia*
 20.65 *Opuntia*
 20.66 *Opuntia ammophila*
 20.67 *Opuntia drummondii*
 20.68 *Opuntia*
 20.69 *Opuntia beyansii*
 20.70 *Mammillaria radiosa*
 20.71 " "
 desalpreana
 20.72 " "
 grahamii
 20.73 *Echinocereus emnaceus*

- 4809) Rockville, S.C.
 J. K. Small 1919
 " Houma, La.
 Wurtzlow 1919
 " Charleston, S.C.
 J. K. Small 1917
 "ignum Vitae Key, Fla.
 J. K. Small 1919
 " Cape Sable
 J. K. Small 1917
 " Lake George, Fla.
 J. K. Small 1918
 " Charleston, S.C.
 J. K. Small 1917
 " Apalachicola, Fla.
 J. K. Small 1916
 " Umbrella Key, Fla.
 J. K. Small 1917
 Mrs. S. L. Pattison
 Carrizillo, Texas (#1) May 1920
 " " (#2) "
 " " "
 " " "

20.74 *Echinocereus Texensis*

20.75 *Mammillaria*

20.76 *Opuntia leptocaulis*
Dead or preserved

20.77 *Stenomeson*
= Rose 24089, Ecuador 1918

20.78 *Sarcocolla*
= 23153 Rose Ecuador 1918

20.79
= 22581 Rose Ecuador 1918

20.80 *Fragaria*

20.81 *Fragaria* 1 spec. preserved
Plant sent Strawberry Coll. Dept. Ag.

20.82 *Hesperanthus occidentalis* n. sp.
Rose

20.83

Seeds of _____

20.84 *Echeveria leucotrichum*

20.85 *Echeveria setosa*

Ellen Schultz, San Antonio, Tex.
June 1920

J. N. Rose; Mts. south of Cuenca, Ecuador

Fragaria 1919
Grover B. Wilcox

Fragaria 1918
Grover B. Wilcox

E. R. Dracutt
La Jolla, Calif. 6/15/1920

Arizona; Dr. Hough
June 1920.

Darmstadt, Ger. (cult.)
A. Purpus
June 1920

" " " " " "

- 20.86 *Echeveria pilosa*
 20.87 *Urbinia purpusii* x
Echeveria setosa
 20.88 *Rhipsalis tondingii*
 20.89 *Rhipsalis wercklei*
 20.90 *Rhipsalis clavata*
 20.91 *Rhipsalis wercklei*
 20.92 ~~*Gyggocactus*~~ *bridgesii*
 20.93 *Gyggocactus delicatulus*
 20.94 *Alma*
 20.95 *Rhipsalis sheferi*
 20.96 *Rhipsalis* ?
 20.97 *Rhipsalis platycarpa*

Darmstadt, Ger.
 A. Purpus June 1920

" "
 A. Berger, Stuttgart, Ger.

" " " "

" " " "

" " " "

" " " "

" " " "

Wachano #102 - Ecuador
 June, 1920

Posada, Arg. (N.Y.B.G. 48548)
 Shefer #134 + 731 1917.

Ris de gau. Braz. (NYBG 43058)
 J. Rose #20400 1915

Orgau-Miszoo, Braz. (NYBG 43440)
 J. Rose #21159 1915

20.98 *Acanthocereus brasiliensis*

20.99 *Cereus polyrhizus*

20.100 *Arrajadoa penicillata*

20.101 *Rhipsalis sulcata*

20.102 *Hariota salicornioides*

20.103 *Rhipsalis elliptica*

20.104 *Rhipsalis clavata*

20.105 *R. cassytha*

20.106 *Peperomia*

20.107 *Peperomia galioides* Kunth

20.108 *Rhipsalis pachyptera*

20.109 *Rhipsalis crispata*

Villa Nova, Braz. (N.Y.B. 9. 42858)

J. N. Rose # 19935 1915

Weinboz (N.Y.B. 9. 14641)

Machado Portello, Braz. N.Y.B. 9. 42982

J. N. Rose 19913 1915

" (N.Y.B. 9. 16082)

Bot. Gard, Berlin 1902

Swion (N.Y.B. 9. 6166)

1901

Brazil (N.Y.B. 9. 43167)

Rose 20874 1915

Brazil (N.Y.B. 9. 43065)

Rose 20403 1915

" (N.Y.B. 9. 43015)

19896

Ecuador (N.Y.B. 9. 46600) "

J. N. Rose 1918

Ecuador (N.Y.B. 9. 46609)

J. N. Rose = 24694 1918

Rio de Jan., Braz. (N.Y.B. 9. 43023)

J. N. Rose 20332 1915

Organ Mts, Braz. (N.Y.B. 9. 43441)

J. N. Rose 21154 1915

- | | | | |
|----------|---------------------------------|-----------------------------------|------|
| 20.110.1 | | Corozal, Colombia (NypB 946068) | |
| 20.111 | <i>Rhipsalis muscellii</i> | J.W. Pennell | 1918 |
| 20.112 | <i>Pachyphytum amethystinum</i> | Joca de Onca, Breg. (NypB 942979) | |
| 20.113 | <i>Monvillea</i> | Jurrose 20106 | 1915 |
| 20.114 | <i>Nylocereus</i> | Jurrose 2993 | 1906 |
| 20.115 | <i>Rhipsalis dissimilis</i> | Trinidad, Paraguay (NypB 945510) | |
| 20.116 | " <i>oblonga</i> | Ja Shaper #133 | 1917 |
| 20.117 | <i>Arrajadoa rhodanthus</i> | Yucatan, Mex. (NypB 945882) | |
| 20.118 | <i>Rhipsalis</i> | G. F. Gaumer 23428 | 1917 |
| 20.119 | <i>Borzicactus</i> | Brazil | |
| 20.120 | <i>Cotyledon orbiculata</i> | Rose 20707 | 1915 |
| 20.121 | <i>Rhipsalis mexembriantha</i> | Rose 20249 | " |
| | | Rose 19791 | " |
| | | Ecuador | |
| | | Rose 23247 | 1918 |
| | | Cotamaya Valley, Ecuador | |
| | | Rose 23029 | 1918 |
| | | Weinburg | 1906 |
| | | Brazil | |
| | | Rose, 20246 | 1915 |

- | | | | |
|--------|-----------------------------------|--|------|
| 20.122 | <i>Cereus</i> | Paraguay | |
| | | Aschauer 150a. | 1917 |
| 20.123 | <i>Cephalocereus leucostele</i> | Brazil | |
| | | Rose 19902 | 1915 |
| 20.124 | <i>Schlumbergera</i> | Brazil | |
| | | Rose 21170 | 1915 |
| 20.125 | <i>Zygocactus</i> | Argentina | |
| | | Rose 20901 | 1915 |
| 20.126 | <i>Rhipsalis dissimilis</i> | Brazil | |
| | | Rose 20707 | 1915 |
| 20.127 | <i>Cephalocereus phaeacanthus</i> | Brazil | |
| | | Rose 20095 | 1915 |
| 20.128 | <i>Epiphyllum maxoni</i> | Weinburg | |
| | | | 1901 |
| 20.129 | <i>Cereus polyrhizos</i> | Weinburg | |
| | | | 1902 |
| 20.130 | <i>Rhipsalis radicans</i> | Brazil (NYBG 43054) | |
| | | Rose | 1915 |
| 20.131 | <i>Hyllocereus</i> | Venezuela | |
| | | Rose 21870 | 1916 |
| 20.132 | <i>Moussillea</i> | Quayaguil, Ecuador | |
| | | Rose 22117 | 1918 |
| 20.133 | <i>Albizzia</i> | Africa (large spreading tree) | |
| | | H. L. Shantz (NYBG 49288) Reid 1/28/20 | |
| | | (fruit yellow, 5 in. diam.) | |
| 20.134 | <i>Pereskia aculeata</i> | " (NYBG 49311) | |

20.135 *Rhipsalis pittieri*
(dead) ~~all in herb.~~

20.136 *Rhipsalis*

20.137 *Mammillaria macromeris*

20.138 " *macantha*

20.139 " *tuberculata*

20.140 *Coryphantha mublensfortii*

20.141

Missing

20.142 *Harrisia*

20.143 *Epiphyllum phyllanthus paraguayense*

20.144 *Cleistocactus baumannii*

20.145 Missing

20.146 *Cereus*

H. Pittier, Valencia, Venezuela.

June 1920

Mrs. S. P. Patterson, Comstock, Texas

July 1920

"

"

"

"

"

"

Bot. Gard, Asuncion, Paraguay

~~S. P. Patterson~~ (#1) Rec'd 7/10/20

Dr. C. F. Schlegel

#2

#3

#4

#5

#6

- 20.147 ~~Echinocactus~~
 Ferula humilis (Lamour.)
- 20.148 Echinocactus schumannii
 Dead & destroyed
- 20.149 Cereus
- 20.150
- 20.151 Willemattia minutiflora
 Monarda spegazzonii
- 20.152 Cereus
- 20.153 Opuntia
- 20.154 Opuntia (1000
 2031)
- 20.155 Mediocactus coccineus
- 20.156 Rhipsalis shoferi Ro + Pa
- 20.157 Opuntia
- 20.158 Opuntia

Dr. C. F. Fiebrig
 Paraguay (do.)

#7

#8

#9

#10

#11

#12

#13

#14

#15

#16

#17

#18

20.159 Harrisia

20.160 Cereus

20.161

Seeds (small black)

20.162

seeds (winyed)

20.163 Diodea

Seeds

20.164 Rhipsalis carantha

20.165 Rhipsalis tonduzii baccifera

20.166 Epiphyllum

20.167 Epiphyllum maculatum

20.168 " grandilobum

20.169 Hylocereus stenopterus
Bon.

Paraguay # 19

20

Paraguay Bot Gard.

" #

"

Guatemala; H. Johnson

223

7/12/20

224

225

Costa Rica W. Popenoe

406

2/12/20

403

404

20. 170 *Epiphyllum maboyanum*
 20. 171. *Kalanchoe spathulata*
 20. 172. *Manfreda maculosa*
 20. 173 *Aloe lineata*
 20. 174 *Eucharis graciliflora*
 20. 175 *Phyllocactus chiapensis*
 20. 176 *Mammillaria donatii*
 20. 177 " *waltonii*
 20. 178 *Cereus spegazzinii*
 20. 179 *Mammillaria sartorii*
 20. 180 *Rhipsalis warvingiana*
 20. 181 " *chloroptera*

E. E. Hirschner, Barboursville, W. Va.

" (Bengal
 (from India) 7/12/20

"

" (Cape Town, Africa)

Ecuador, J. M. Rose 1918

23627

Erfurt, Germany, Haage & Schmidt

- 20.182 *Calimopsis meyeri*
 20.183 *Mammillaria bewersii*
 20.184 " *schelhauseri*
 20.185 " *kuzeana*
 20.186 *Rhipsalis dryocarpa*
 20.187 *Mammillaria kraussiana*
 20.188 " *potosina*
 20.189 *Phyllocactus chiapensis*
 20.190 *Cereus danzigii*
 20.191 *Opuntia clavarioides*
 20.192 " *derffii*
 20.193 *Polypodium*
 = 24088

Quincy, Ecuador J. R. R. R.
 Aug 21-28, '18
 Sept

20194

Philippiana pachyphylla Kuntze

20,195 *Opuntia*
2 specimens

20,196 *Mammillaria prolifera*

20,197 *Pereskia portulacifolia* DC

20,198 *Opuntia ramosissima*

20,199 *Selenicereus*

20,200 *Selenicereus*

20,201 *Opuntia pollardi*

20,202 " "

20,203 " "

20,204 *Cephalocereus polylophus* (Lam.) R. & P.

20,205 " "

Colona Chile 1820

Beaufort, N. Carolina
R. L. Barney July 1920

Haiti (746)
W. S. Abbott & E. C. Leonard 1920

" " "
Haiti (850)

E. E. Hipscher
Yucca, Arizona 1918

E. C. Leonard
Haiti (1281) 1920

Record through W. E. Safford 1918
St. Thomas Virgin Islands

Millsboro, Del.
J. H. Small July 30, '20

Rehoboth, Del. " 29 "

Cape Charles, Va. " 31 "

Port-au-Prince, Haiti
Leonard #5316 7/18/20

Gonaive
#5317 July '20

20. 206 *O. dillenii*
20. 209. " "
20. 210. *O. canbarea*
- 211 *O. taylori* B. & P.
- 212 *O.*
- 213 *O. monilifera* (L.) Haw.
- 214 *Lunaticoceras leptrix*
- 215 Not used
- 216 *Ceruus heparomus*
- 217 *Lepthoceruus*
- 218 *Selenicceruus*
-
- 207 *Hapisia naslii*
208. *Nopalea cochiniellifera*

- P.-au.-P. Haiti
E.C. Leonard #5318 7/14/20
- Gonavi Is. Haiti
E.C.L. 5319 July/20
- P.-au.-P. #5320 7/14/20
- P.-au.-P. #5321
- Fonds Verettes #5322
- P.-au.-P. #5323
- " #5324 7/14/20
- " #5325 "
- Petionville #5326 6/25/20
- P.-au.-P. #5327 7/14/20
- " 5328 "
- " 5329 "
- Gonavi Is. 5330 July/20

20.219. *Mammillaria vivipara*
(209)

20.220 *Mamm. simpsonii* (2)
(210)

20.221. *Mammillaria nap*
(211)

20.222 *Leuconococcus lustris*
(214)

20.223 *Opuntia Milleri* n. sp. (1)
(213)

20.224
(214) Seeds from China (Japan)

20.225 *Mammillaria nivea*

20.226 " *erecta*

20.227 " *elegans*

20.228 *Psoralea*

20.229 *Opuntia*

20.230 Seeds of *Epiphyllum pumilum*

20.231 Seeds of *Echinocactus* sp.

Boulder, Colo.

D. M. Andrews

8/16/20

"

"

Souera, Mexico

Dr. Wm. Kew

Aug. 1920

Surinam

J. Stahel

Aug. 1920.

Quito, Ecuador

Rev. Louis Miller — Aug. 1920.

Los Angeles, Calif:

8/12/20

Carl Acherman

"

"

El Paso Tex.

9/7/20

On limestone rocks, near
Mechanicburg, Pa., J. K. Small 8/20/20
Chani, Valle Merapaz, Guatemala
Harry Johnson 1920

Painted Desert, Arizona

W. N. Clute

Aug. 1920

20.232 *Stenomessura hartwegii*

20.233. *Rhadranassa chloracea*

Found Nov 28 1924

20.234 *Echinocactus*

20.235 *Coryphantha pyramantha*

20.236 *Echinocereus triglochidiatus* Engelm.

20.237 *Opuntia opuntia*

20.238 *Mammillaria*

20.239 *Opuntia opuntia*

20.240 *Opuntia whipplei*

20.241. *Mammillaria echinocarpa*
Dead - preserved

20.242 " *arizonica*

20.243 *Opuntia*

Ortúnimbo, above Chinto, Ecuador,
9500 - 11,000 ft. 22 July

L. Söderström 8/11/20

Guapulo, above Mackangora River,
Ecuador. L. Söderström 8/11/20

Painted Desert - Arizona
W. N. Clute

1919

Oaxaca, Mex.

C. Conzatti

Sept. 1920

Lamy, New Mexico

J. H. Terris

9/15/20

Idaho, Ind.

J. H. Terris

Grand View, Grand Canyon, Ariz.

J. H. Terris

"

"

Painted Desert, near Tuba, Ariz.
"caves above", W. N. Clute (J. H. Terris)

Pajarito Mts., Ariz.

J. H. Terris

9/15/20

Navajo Co., Ariz.

J. H. Terris

Santa Fe Mts (near ground)

W. N. Clute

20.244 *Rhipsalis purpusii*

20.245 "

20.246 *Melocactus*

20.247 *Cereus*

20.248 *Mammillaria sartorii*

20.249 *Cyphophllum*

20.250 "

20.251 *Sebania*

20.252 *Cereus acanthorrhoea*

20.253 " "

20.254 *Rhipsalis cassutha*

20.255 *Urena lobata*
Large seeds on monkey

20.256

Small " "

Tiaca Mostro, Chiapas, C. de Purpus
Sept 1920. #9 2/15/20

" " "

#1

San Jeronimo, Oaxaca "

#6

Barrauca de ~~Panama~~ "

Tanampa #7

Via Cruz "

" "

Chiapas, Mex. "

#8

Barrauca de Tanampa "

Via Cruz

#10

Chiapas "

#3

Barrauca de Tanampa, Via Cruz

#5

" " Barrauca

#4

" " "

#2

French Congo, Igovi 6/2/15

"

"

"

20.257. *Mammillaria*

20.258 *Mammillaria wildii*

20.259 *Cereus*

20.260 *Mammillaria bicolor*

20.261 *Mammillaria racinosa*

20.262 " *macromeris*

20.263 *Echinocactus horizonthalonius*

20.264 *Mammillaria nivea*

20.264 " *stricklandii* var.

20.265 *Pediosactus simpsonii*

20.266 " *Sedum mopedifolia*"

20.267 *Opuntia fragilis*

20.268 *Begonia*

Seedling from seed origin which
developed in our green house.

Los Angeles, Calif.
Carl Ackerman

9/20/20

Camutillo, Texas

Mr. S. P. Patterson

9/20/20

"

Los Angeles, Calif. 9/20/20
Carl Ackerman

"Grand View Grand Canyon" but perhaps
from South Oregon Jos. Formis
Grand View Grand Canyon Jos. Formis

Belalabim ruins near Wash

Pass Oregon

Grand Canyon

Jos Formis letters
" " "

West of Loja Ecuador Rec - 1918

- 20.269 *Begonia*
- 20.270 *Aporocactus competii*
- 20.271 *Mammillaria*
- 20.272 *Mammillaria longisetus* ^{nov.}
- 20.273 *Opuntia* = #1
- 20.274 *Mammillaria kewiana* ^{nov.} = #2
- 20.275 *Mammillaria* = #4
- 276 *Mammillaria roseana* = #7
- 277 *M. brandegei* = #6
- 278 *Echinocactus* = 76
- 279
Seed with stone package
- 280 *Dioscorea molleensis*
seeds

- near Quito Ecuador,
Oct 17 1918 J.P.H.
- Cerro de San Felipe, Oaxaca
C. Conzatti 9/24/20
- "
- "
- North of Arroyo, Santo Domingo, Lower
Calif. ^{W.S.W. Kew} ^{Sept 1920}
Haw. ^{W.S.W. Kew} ^{Sept 1920}
- Las Animas peak, S.W. of ^{Lower Calif.}
Conordia & near Rancho San Benancio
- W.S.W. Kew.
- "
- "
- On Cerro Canelo, no. of Arroyo Santo
Domingo, Lower Calif. W.S.W. Kew.
- "
- "
- "
- "
- = 23776, J.P.H. Ambato, Ecuador

- 20.281. *Rhipsalis micrantha*
 20.282 *R. madagascariensis*
 283. *R. tetragona*
 284. *Epiphyllum obtusangulum*
 285. *E. " delicatum*
 286. *Rhipsalis gracilis*
 287. *Pediocactus robustior*
 288. *Mammillaria celsiana*
 289. *Epiphyllum oxypetalum?* Cuzco 4089' h
 290 *Cereus hexagonus*
 291 *Epiphyllum phyllanthoides*
 292 *Epiphyllum*

Kew Bot. Gard. Mr. T. Briston ²⁴
 Sept. 1920

"

"

"

"

"

Washington (State) Oct. 1920
 Saddle Mts., west of the Columbia, back from
 the Sentinel Bluff. 1700-2300 ft ^{Madagascar}
 Alturas de Papalo, 2100 m.
 Cincatlán, Oaxaca ~~to~~ 10/10/20
 Guaduas, Cundinamarca, Colombia
 W. Popenoe 474 (SP. 9.51559)
 " " " " "
 " " 472 (51556)
 Pacatativa, " " "
 " " 475 (51560)
 " " " " "
 " " 471 (51561) "

20.293 *Hylocereus undatus*

20.294 *Echinocactus*

20.295 " "

20.296 " "

20.297 " "

20.298 " "

20.299 " "

20.300 *Mammillaria*

(*Coryphantha*)

20.301 *Mamm. retusa*

(*Coryphantha*)

20.302 *Mamm. ⁿperudacantha*

20.303 *Mammillaria* (*Coryphantha*)
= *CORYPHANTHA SOLISII*

20.304 *Mammillaria*

20.305 *Mammillaria*

La Esperanza, Dept. Cundinamarca
Colomb., W. Popocatepec #473 (51565)

Chambrá, Calif. #1
E.C. Rost

Oct. 20, 20

#2

#3

#4

#5

#6

Saxaca, Mex. #1

Octavio Solis

10/14/20

" #2

" #3

Sanguan del Rio, Guerrero #4

Cerro de Buenavista, Guerrero #5

San Juan Teotihuacán, #6
Mexico

- (Coryphantha)
- 20.306 Mammillaria ^{na} _{na}
- 20.307 Mammillaria ^{cm} _{na} circinata Guco.
- (Coryphantha)
- 20.308 Mamm. _{na} retusa
- 20.309 Mammillaria
- 20.310 " "
- 20.311 " "
- 20.312 Opuntia
- 20.313 " "
- 20.314 Echeveria setosa x urbinia
- 20.315 " derenbergii
- 20.316 Urbinia purpurina
- 20.317 Echeveria setosa

- Tlalpam, D.F. Mex. #7
- O. Solis
- #8
- Guanaxiata
- Oaxaca #9
- Buenavista de Cuellar, Guerrero #10
- Oaxaca #11
- Villa de Guadalupe, D.F. #12
- Valley of the Hondo River, east of
Roswell, Texas; E.C. Prentiss
- Low hills just west of the station of
Cerro Grande, about 20 mi. n. of El Paso
- E.C. Prentiss
- Mexico - C.A. Purpus Oct. 1919
- " " "
- " " "
- " " "
- " " "

20.318 *Opuntia littoralis*

20.319 *O. occidentalis*

20.320 *Echinocactus texensis*

20.321 " *retispinus*

20.322 " *hametocanthus*

20.323 *Mammillaria Lemnifera*

20.324 *Echinocereus blanckii*

20.325 *Mammillaria pugnochepala*

20.326 *Mammillaria*

20.327 *Echeveria setosa* x *Urbania*

20.328 *Phyllocactus drapensis*

20.329 *Rhipsalis purpurea*

Between Santa Barbara & Ventura
California - D.T. MacDougal '930/20

On rocky limestone outcrops, 3 mi.
north of San Luis Obispo on the slopes
facing southward from Aosta Pass

D.T. MacDougal 10/28/20
Brownsville, Texas
Robt. Runyon 11/1/20

" "

" "

" "

" "

Cerro de El Pulo, 1700 m.

Oaxaca, Mex. Conzatti #152 2/21/20

Cerro de San Antonio de la Cal.

1700 m. Oaxaca Conzatti #147 2/18/20

Mexico; C.A. Purpus Oct. 1920

" "

" "

20.330. *Mammillaria longicoma*

331. *Mamm. celsiana*

"

332. " *pycnantha*

333. " *pseudoperbella?*

334. " *retusa*

335. " "

336. " *mf.*

337. " *karwinskii*

338. *Echinocactus setispinus*
~~20345~~

339. *Echinocereus blanckii*
~~20346~~

340. *Mammillaria scolymoides*

341. " *tuberculata*

342. *Echinocereus*

343. "

Lower Calif. W. S. Kew 1920

Alturas de Pápalo, 2100 m.

Cincañán, Oaxaca, C. Conzatti ^{4088 1/2} 10/17/20

Cuesta de Huauclilla, 1800 m.

Nochistlan, Oaxaca 3973 1/2 } 5/25/20

Do.

3974 1/2

Canteras de Xicotel, Oaxaca

1500 m. C. Conzatti 4093 1/2 10/31/20

Corros de Tlacolula, 1650 m.

Dist. de Tlacolula, Oax. Mex. ^{3928 1/2} 4/15/20

Cerro San Felipe, 2500 m.

Dist. del Centro, Oax., C. Conzatti 4048 h 10/31/20

Canteras de Xicotel, Oax., 1550 m.

C. Conzatti 4092 1/2 10/31/20

San Antonio, Tex. E. D. Schulz Dec. 20

Brownsville, " R. Runyon "

10 mi. S. of Rio Grande & Mexico (letter Dec. 7)

45 " SW of Brownsville }
Sanderson, Texas MacDougal & Shreve

Dec. 1920

20. 344 *Echinocactus setispinus*

~~345~~ ~ ~

346. *Epiphyllum cartagense*

347. " *mayoni*

348 " *strictum*

20. 349 *Pediocactus arizonica*

20 350 *Fueraea 'elegans'*

20. 351

Cactus paniculatus

Brownsville, Tex. Robt Raney 1920

San ~ ~

N. Y. B. G. #24944 (Marion #10)

Weinberg 9291 (NYB 9)

(Marion #11)

NYB #24938

near Tucson Dr. Vorhies 1920

In Greenhouse as no 38780

origin unknown

Hack Mr Pilkington 1920

- 21.1
Orchid (pend.)
- 21.2 *Echinocactus* sp.
- 21.3 *Mammillaria pseudoperbella*
- 21.4 *Echinocactus texensis*
- 21.5 *Mammillaria*
- 21.6 *Lophocereus schottii*
- 21.7 *Mammillaria venusta*
- 21.8 *Opuntia invicta* Brandeg.
- 21.9 *Echinocactus parvireularis*
- 21.10 *Mamm. longiseta*
- 21.11 *Mamm. roseana*
- 21.12 *Paclipereus*

- Curcy, Haiti, E.C. Leonard # 1732
- Brownsville, Texas
Root Runyon 12/26/20
- Cerro del Rosario, Oaxaca, Mex.
C. Conzatti 4098 12/18/20
- Dallas, Texas
J. R. Atkins 12/18/20
- " "
- Lower California
W. S. Kew Dec. 1920
- " La Junta on Ciro at junction
of Arroyo ~~La Junta~~ La Junta 11/13/20
- " "
- Dec. 1920
- Near Boca de Guadalupe
Lower Calif. W. S. Kew "
- Arroyo Coyote branch of Arroyo
Caracol, Lower Calif. W. S. Kew 11/1/20
- "This name not seen to north of here."
- Cerro Colorado, s.w. of La Junta,
Lower Calif. W. S. Kew 11/10/20
- Aguaguitos, near San Hilario,
Lower Calif.; W. S. Kew Dec. /20

221.13 *Lemaireocereus thurberi*

221.14 *Passiflora rubra* L.

221.15 *Passiflora maliformis*

221.16 *Neobottia paniculata*

221.17 *Pereskia portulacifolia*

221.18 *Narriscia*

221.19 *Cephalocereus*

221.20 *Mammillaria*

221.21 *Wilcoxia poseelgeri*

221.22 *Echinocereus*

221.23 *Echinocactus setispinus*

221.24 *Opuntia schottii*

Lower Calif.,

W. S. Kew

Dec. 1920

Bank of Cayajana River, Baracoa
Mts, Sta. Clara, Cuba, Leon 8/12/13

Guaduas, Cundinamarca, Colombia

W. Popovoe 1124

Cul-de-Sac, near Port au Prince, Haiti

H. M. Pilkington

" " "

" " "

Lower Calif., W. S. Kew

Dec. 1920

Brownsville, Texas,

R. Runyon

12/29/20

" " "

" " "

" " "

- 21.37 *Echinocactus*
1
- 21.38 *Echinocereus*
3
- 21.39 " "
- 21.40 *Echinocactus setispinus*
2
- 21.41 *Mammillaria*
1
- 21.42 " "
- 21.43 " "
- 21.44 *Echinocereus*
- 21.45 *Echinocactus texensis*
- 21.46 *Mammillaria*
- 21.47 *Mammillaria sphaerica*
6
- 21.48 *Echinocactus*
- 21.49 " "

- Confederal Ranch, 24 mi. n.e. of
Brownsville, Cameron Co., Tex. R.D. Camp 12/6/20
- Indios Ranch, 20 mi. n.e. of
Brownsville, Cameron Co., Tex. 12/1/20
- San Juan Ranch, 25 mi. n.e. of
Brownsville, Cameron Co., Tex. 12/20/20
- Cameron Co., Tex. 12/1-20
- " " " " "
- " " " " "
- 10 mi. n.e. of Brownsville, Cameron Co.
Tex. 11/1-20
- Near Salt Lake in North End of
Hidalgo Co., Tex., 20 mi. n.w. of Raymundo
San Juan Ranch, 25 mi. n.e. of
Brownsville, Cameron Co., Tex. 12/10/20
- Near Brownsville, Cameron Co., Tex.
Nov. 1920
- San Juan Ranch, 25 mi. n.e. of
Brownsville, Cameron Co.
- 10 mi. n.e. of Brownsville, Tex.
Nov. 20
- Repasa, Ranch, 17 mi. n.e. of
Brownsville 12/19/20

21.50 *Echinocactus*

21.51 *Mammillaria grahamii*

21.52 " "

21.53 *Echinocactus setispinus*

21.54 *Passiflora orbiculata* Cav.

21.55 *Lophophora williamsii*
"v. "challote"

21.56 *Mammillaria multiceps*
(*M. texensis*)

21.57 *Echinocereus*

21.58⁹ *Echinocereus rigidissimus* Rose

21.58 *Mammillaria*

21.59

21.60 *Mammillaria macromeris*

Indio Ranch, 20 mi. n. e. of
Brownsville R.D. Camp, Nov. 1920

Santa Rita Mts., Ariz.
V. Bailey 1/1/21

Arizona

Near Brownsville, Tex.
R. Runyon Dec. 1920.

Parcy, Haiti
Leonard #4682

Starr County, about 5 miles down
the Rio Grande from Piquero City on a
Ciph. Loma. Robt. Runyon 1/23/21.
20 miles from Brownsville, Tex.
R. Runyon Jan. 9, 1921.

Continental, Arizona 2/11/21
Vernon Bailey

Camulles, near S.L. Patton 2/22/21
Tex.

Texas 2/28/21
Mrs. S. L. Patton.

- 21.61 *Mammillaria macromeris* (form)
spines nearly all white
- 21.62 *Mammillaria mexicana*
(3 plants)
- 21.63 *M. tuberculata* (1 plant)
- 21.64 ^{= *Caecilia*} *M. tuberculata* form (2 small pls)
- 21.65 *M. lasiocantha* (3⁺ 2 small pls)
- 21.66 *M. mesacantha* (1+)
- 21.67 *Agave antillarum* Desc.
- 21.68 *Mammillaria wardougalei*
- 21.69 *Mammillaria shrevei*
- 21.70 *Echinocactus* ^{in text to this} ~~erectus~~ ~~speciosus~~
- 21.71 *Mammillaria shreveana*
- 21.72 *Echinocereus fendleri*
- 21.73 *Mammillaria*

Texas, Comtello
Mrs. S. L. Patterson

"

"

"

"

"

Vic. of Mission, Ponds Verettes, Haiti
E. C. Leonard # 3968.

Santa Rita Mts., north base apt 12/2/21
McCleary Ranch, Arizona, 4000 ft. alt.
V. Bailey

do.

Southeastern Ariz. J. W. Gidley
Mar. 1921

"

"

"

- ~~21.73 Mammillaria~~
- 21.74. *Gymnocalycium saglionis*
- 21.75. *Malacocarpus*
- 21.76 *Mammillaria shreveana*
- 21.77 *Echinocactus erectocentrus*
- 21.78 *Mammillaria arizonica*
- 21.79 *Echinocactus rigidissimus*
- 21.80 " *fendleri*
- 21.81 *Echinomastus*
- 21.82 *Mammillaria grahamii*
- 21.83 *Mammillaria greggii*
- 21.84 " *meisneriana*

- Lagunillas, Bolivia
R. L. Forte July, 1920.
- " "
Continental, Ariz.
V. Bailey Mar. 5, 1921
- Benson Quad, Arizona
H. A. New Tranch, sec. 28 T 115 R 19 E.
on cret. granite, gravel & tuffaceous.
Kirk Bryan Mar. 1921,
- " "
- " "
- " "
- Judson Quad., Ariz. S. slope Cross
Hill, sec. 23, T 16 S R 17 E in
Quartzite Talus, Kirk Bryan 3/5/21
Huaco Range, 35 mi. east of El Paso, Tex.
Mrs. S. T. Patterson Mar. 9, 1921

21.96 Mammillaria Texensis.

21.97 Echinocactus

21.98 Agave

21.99 Echinocereus pentatophus

21.100 Mammillaria shreveana

21.101 Echinocereus fendleri

21.102 Mammillaria

21.103 Echinocactus texensis

21.104 Echinocactus setispinus

21.105

21.106

Mt. El Mirador, Mex. near Monterey
R. Runyon Mar. 1921

do.

do.

do. (summit)

Benson Ariz
J. W. Gidley

Mar. 1921

do.

On rocks or in black limestone
soil, near Walde, Texas

D. C. Parman Mar. 19, 1921

Black limestone soil on a
Juaqueja ridge. D. C. Parman. 3/19/21
Walde, Tex.

Hab. o. loc. do.

Guatemala

H. Johnson #4

" #5

21. 107

108

109

110 *Selenicereus* ^{Ho-}*Andinumis*

111 *Wilmothia minutiflora*

112

113 *Wilmothia minutiflora*

114 *Acanthocereus*

115

116 *Rhipsalis*

117 *Opuntia Blakeana*

118 *O. phaeacantha*

119 *Echinocactus retzigii* *Druehl*

Guat., H. Johnson #6

#7

#8

#9

#10

#11

#12

#13

#14

—

Tucson, Ariz.; D. Griffiths 3/21/21
then Moretongal

Arigripa, Peru
L. Druehl

Mar. 1921

21. 120. *Acanthocereus*

21. 121. *Leuainocereus*

122. *Opuntia elatior*

123. *Opuntia elatior*

124. *Echinocereus rigidissimus* ^{Boz.}

125. *Cactus*

126. *Mammillaria prolifera*

127. *Leuainocereus*

128. *Harrisia*

129. *Hyllocereus*

130. *Selenicereus*

131. ✓

Pitaya

Abundant at Ciudad Bolivar, ^{Venez.}

L.H. Bailey #1548

3/15/21

Cardon, forming a large tree-like plant. Bailey #1541

Tunas, large branching tree.

Bailey #1754.

Tunas.

Bailey #1601

Benson, Ariz.

Mar. 1921

J.W. Bradley

Arid, western sierra about Mao and Guayubín, 20 mi. east of Monte Cristi, San Domingo

3/8/21

W. R. Abbot #

Navajito

Abbot #1096

Mao

Abbot #1040

21.132 *Opuntia*

133. "

21.134 *Leucophyllum texanum* Rose

21.135 *Manihot carthaginensis*

21.136 *Mamm. olivae*

21.137. *Echinocereus fendleri*

21.138 *Opuntia*

21.139 *Mamm.*

21.140 *M. goodrichii*

21.141. *Mamm.*

21.142 "



W. C. Abbott, S. Drury

"

Brownsville, Tex.
R. Runyon

March 1921

(Continental, Ariz)

V. Bailey

3/30/21

Northeastern side of the Santa
Catalina^{mts}, Ariz. D. J. MacDougal Mar. 21

"

Old Camp Grant, Winkelman Road,
Ariz.

Kirk Bryan

101st mi. of Mulege, Lower Calif.

B. F. Hake

Do.

Shores of Scammon Lagoon,
west of Santa Clara Desert, Lower Calif.

B. F. Hake

- 21,143 Mam. miacantha
 144. Echinocereus dasyacanthus
 145. Mammillaria macromeris
 146. M. neomexicana
 147. M. tuberculata
 21,148 Pedrocactus ^{18th NY.} ~~impressus~~
 21,149 Mammillaria ^{18th NY.} ~~fragilis~~
 21,150 Echinocactus arizonicus
 21,151 Mam. strepera
 21,152 " olivacea
 21,153 " macdougalii
 21,154 Tillandsia
 N. red
 21,155 Tillandsia baileyi
 N. blue (purple)

Kew

- Armitillo Texas,
 Mrs. S. L. Patterson Mar. 28, 1921
 "
 "
 "
 "
 "
 Casper Wyoming
 Jos. K. Holmes 1921
 Tulewango, Mex.
 Carlos Reiche 4/1/21
 "
 Maca Continental, Ariz. April 21
 V. Bailey
 "
 "
 "
 Brownville, Texas;
 R. D. Camp 4/8/21
 "
 "

21.168 *Selaginella eremophila* Mauts
(Wren)

21.172 *Abervillea*

21.170 v

21.171 v

21.169

21.173 *Mammillaria ewingii* ^{ms}

21.174 *Mamm. divisa*

21.175 *Echinocereus scopulorum* B&V

21.176 *Echinocereus maritimus*

21.177 *Mammillaria*

21.178 *Mammillaria deserti*

21.179 *Opuntia occidentalis*

21.180 *O. prolifera*

Palm Springs, Calif.
Edmund C. Jaeger April 1921.

R. Runyon
Brownsville, Tex. April 1921

B. P. Rebo, Oaxaca, Mex. Apr. 1921

" " "

" " "

Islands, Guaymas, Mexico
Dr. M. Johnston # 3086 Apr. 14, '21

Ensenada, L.C., on bluffs.
"white" # 3006 4/7/21

On hills, Guaymas, L.C.
3103 Apr. 14, '21

Ensenada, L.C.
Capitane on bluffs # 3007 4/7/21

Alhambra, Calif.
E.C. Post 4/12/21

" " "

Southern Calif.
Gerritt Miller April '21

"

"

21.181 *Echinocereus engelmannii*

21.182 *Echinocactus*

21.183 *Mammillaria fasciculata*

21.184 *Mamm. galbanus*

21.185

21.185 *Tillandsia uncinata*

21.186. "

21.187 *Cactus broadwayi* B. & R.

21.188 *Mammillaria sphaerica*

21.189 *Echinocactus setispinus*

21.190 *Leuophyllum texanum*

21.191 *Mammillaria*

21.192 *Mamm.*

alt. 2830 ft.
Southern Calif. Jacumba Hot Springs,
Gerritt Miller Apr. 1921

" " "
Forest Grove "

Sierrita Mts. 20 mi. SW Tucson 4/20/21
Winkelman Quad., sec. 5 T 7 S R 17 E
Gravel hills, north of Aswaipa Creek ^{San Pedro Ariz.}
elev. 3000 ft. - with Bryan Apr. 19. '21

Brownsville, Texas
R. D. Camp

Jobago
W. G. Freeman
Brownsville, Texas
R. D. Camp Apr. 1921.

"
Guerrero, Mexico, Solis
Oaxaca, Mex, Solis Apr. 1921
" "

21. 193 *Pediocactus simpsonii*

194. *Mammillaria*

195. *Mammillaria*

196. *Mamm. ~~gambelii~~ grahamii*

197. *Echinocactus lecontei*

198. *Echinocereus engelmannii*

199. *Echinocactus*

200. *Mamm. tetrasperma*

201. *Thurbergia ludlowi*
Vine; fls. yellow; fr. red

202. *Talinum leucaris*
Herb or vine; fls. yellow; fr. size of pea

203. *Portulaca pilosa*

204. *Cooperia*

Casper, Wyo., Joseph A. Holmes 2nd
May 1921.

~~San~~ Lower California
Clifton R. Swarts May 1921

San Antonio, Tex.
Olen D. Schulz May 1921

Sacaton, Ariz.
W. F. Gilpin May 1921.

" " " "

Bard, Calif.
Loren G. Polhamus " "

" " " "

Brownsville, Tex.; light sandy soil on high land
30 m. Root Runyon #4 5/8/21

" " well drained sandy soil
R. Runyon #6 5/8/21

" " Lab. do.

" " #5
" " Lab. do.

" " #7 "

21. 205 *Echinocereus macdonnellii*
 21. 206 *Opuntia parishii* Griseb
 21. 207 *Nyctocereus serpentinus*
 21. 208 *Helioscira speciosa*
 21. 209 *Echinopsaulocactus*
 21. 210 *Trichocereus lamprochlorus*
 21. 211 - *Opuntia* (5)
 21. 212 *Opuntia basilaris*
 21. 213 *Opuntia corillei*
 21. 214 *Echinocereus nudiflorus* (4)
 21. 215 *Pediocactus simpsonii* (4)
 21. 216 *Opuntia*
 21. 217 "

Orcle Arizona, D. T. Macdonnell May 6/1921

South Edge of Mojave Desert, near
 Pinon Wells, 4000 ft. P.A. Murray 5/1/21
 Mexico, D. F., Mexico
 C. Reiche do. 5/10/21

San Gabriel, Calif.
 Wm. Hertrich, 5/12/21
 Tunuyan, Mendoza, Argentina
 W. B. Alexander March 22, 23, 1921
 Moorpark California
 D. F. Macdonnell May 24
 " " "

R. V. Pickett
 Edgewater, Colorado, May 1924
 " " "

Ornela Fla.
 Small & Schwinckler 48939 Apr. '21
 Dunns, Atlantic Beach, Fla.
 Small & Schwinckler 48933 Apr. '21

21.218 *Opuntia*

21.219 *Opuntia*

21.220 *Opuntia*

21.221. "

21.222 *Echinocereus*

21.223 *Opuntia*

21.224 " *Toumoutosa*

21.225 *Mamm. rhodantha*

21.226 *Echinocactus*

21.227 *Agave*

21.228 *Echinocactus*

21.229 *Echinocereus*

21.230 *Cissurus musca* Desmoul
My specimen leaf entire # 49669 14 pp.

49630

Dunes, Atlantic Beach, Fla.
Small & Bell in helix Apr. 1921

Shellmound, Ft. George Id., Fla
do. 48934 do.

St. Marys, Ga.
do. 48940 do.

Pilot Is., Fl.
do. 48935 do.

Near Mexico City, C. Reichs May, 1921

" " "

" " "

" " "

" " "

" " "

Cameron Co.
Green Is., Texas (Lyford?) 7/29/21

Rd Camp 30 mi. north of Point Isabel

" " "

" " "

21.231

21.232

21.233 Man. hemisphaerica

21.234 Opuntia hillarii

21.235 Hylocereus

21.236

Orchid "purple red rock orchid"

21.237

Orchid

21.238

Orchid

21.240 Ranunculales micrantha

21.239 Epiphyllum phyllanthoides

21.241 Selenicereus boeckmannii (2)

21.242 Mamillaria sphaerulata (4)

21.243 Hylocereus undatus

Green Is., Cameron Co., Tex.
R. O. Camp. 5/29/21

Samana Peninsula, near Cape
Samana, S.D. W. T. Abbott Apr 1.

south side, Samana Bay

W. T. Abbott

Cape Samana

W. T. Abbott #1085

do.

Mar. 27, 21

Soja, Ecuador

W. Pope

#XXX C. Comata

Oaxaca, Mex.

XXV

"

"

XXVI

"

"

XXVII

"

"

21.244 *Aporocactus conzatti*

21.245 *Selenicereus*

21.246 *Opuntia*

21.247 *Mamm. vivipara*

21.248 *Bergerocactus unoyi*

21.249, *Mamm.*

21.250. *Mamm.*

21.251 *Echinocactus texensis*

21.252 *Mamm. mollana dioica*
see flowers

21.253

21.254 *Echinocactus viridiflorus*

21.255 "

21.256

XXVIII C. Conzatti
Durango Mexico

XXX " "
a. Ruth
Polytechnic, Texas.
Edgewater, Colo.
R. V. Pickett
Coronado Is., Mex., off San Diego,
Calif. G. S. Miller, Jr. 6/8/21

" " 300 ft. alt.
Mt. Springs, Imperial Co., Calif.
G. S. Miller Jr. 6/4/21
Near Brownsville, Tex.
R. Runyon

Cliffs near ocean, north of Ensenada
Lower Calif. E. C. Rost #101 June 1921
(Dict. Thimont) #102

Coast Range between La Jolla & San
Diego, Calif. E. C. Rost #51
Mts. east of Ensenada, L. C.
E. C. Rost #55

(Same data as 21.252)
E. C. Rost #103

21.257

21.258

21.259

21.260 *Echinocactus*

21.261 "

21.262 "

21.263 "

21.264 "

21.265 "

21.266 "

21.267 "

21.268 "

21.269 "

Hills above Jijirana, Mexico June 1921
(Near U.S.-Mex. Bdry) E.C. Post #53

Coast hills between La Jolla
& San Diego, Calif. E.C. Post #52

Mts above (east of) Encanada, Calif.
E.C. Post #54

Palm Springs Canyon, 3 mi., s.e. of
Palm Springs, Calif. Post #1

10 miles east of Palm Springs &
10 miles north, Post #3.

Jacumba, U.S.-Mex. Bdry
Post #4

20 mi. east of Jacumba
Post #11

Devils Canyon, between Jacumba
& Coyote Wells, Calif. Post #5

Chocolate Mts., n.e. from Wylanos
Calif. Post #8

Eastern slopes, Chocolate Mts, Calif.
Post #10

Superstition Mt., between Imperial
Valley & San Diego (near Mex. Bdy) Post #6

Southern slopes of Mt. San Jacinto
Calif.; E.C. Post #7

Do. Post #2

21.270 *Echinocactus*

21.271 "

21.272 "

21.273 "

21.274 "

21.275 "

21.276 "

21.277. *Echinocereus dasyacanthus*

21.278 "

21.279 *Mammillaria*

21.280. Mam. ^{*dasyacantha*} ~~*tuberculata*~~

21.281 *Echinocactus dasyacanthus*

Painted Hill, north side of
Coachilla Valley, Calif. - Post #9
Chuckawalla Mts., (Colo. River side)
Calif., Post #26

Between Shavers Wells & Blythe,
Calif., near Colo. River Post #27
White Water River, Calif.

Post #25
East of White Water River, toward
Indio, Calif. E.C. Post #29
Mts. above La Jolla, Calif.
E.C. Post #50.

Jacumba (on U.S.-Mex. Bdry.)
E.C. Post #12

Camtello, Tex.

Mrs. S. T. Paction

6/16/21

"

"

"

21.282 Epithelantha micromeris

21.283 Echinocactus horizontalis

21.284 Mammillaria daryacantha

21.285 Coryphantha mukhlenbergii

21.286 Passiflora sexflora

21.287 Passiflora hastata

21.288 Mammillaria

21.289 Echinocereus

21.290 Opuntia

21.291 Opuntia

21.292 Opuntia fuscicolligera

21.293 Dudleya

Oaxaca, Mex.

San Antonio, Oaxaca 6/16/21

"

Mex.

Zacualpan, C. G. Purpus #1 June '21

" Mex. " #2 "

Rosby hillside, 15 mi. north of
San Antonio, ^{ref.} El Paso, Chihuahua 6/20/21

Verde Mesa, Colo. June '21
Dr. Fewkes

Do.

Do.

W. B. Alexander.
Argentina

On rocks at edge of small stream,
above Idylwild, Riverside Co, Calif.
alt. 5500 ft. G. S. Miller, Jr. 6/20/21

- 21,294 *Dudleya Kallii* Rose (herb sp. ny) 6
 21,295 *Dudleya* 3
 21,296 *Mammillaria grahamii* 2
 21,297 " " 1
 21,298 *Echinocereus coccineus* 2
 21,299 *Opuntia* 1
 21,300 " 1
 21,301 *Mammillaria conifera* 1
 21,302 *Echinomastus dasycanthus* 4
 21,303 *Mammillaria schottii* 3
 21,304 *M. dasycantha* 4
 21,305 *Dioecia*
 21,306 *Sedum rupestris* Dardson 24

Yellwood, Riverside, Co. Calif.
 G.S. Muller, Jr. 6/20/21
 "

Kingman, Ariz.
 Mrs. Chas. Bly 6/29/21

St. Harqua, Hala, Ariz.
 Fred A. Greeley June 1921

" " "

" " "

" " "

Mexico City, D.F.
 C. Reiche June 1921

San Mateo, Texas
 Mrs. S. J. Patterson 6/27/21

do.

do.
 Trinidad
 Dr. Seaver 1921
 Sugar Loaf, San Bernardino Co. July 1920

- 21.307 Mam. calochirora 2
 21.308 " macromeris 1
 21.309 " glochidiata prolifera 1
 21.310 " weldii 1
 21.311 " odieriana 2
 21.312 " vetula 1
 21.313 " glanduligera 2
 21.314 " glochidiata crinita 2
 21.315 " seideliana 2
 21.316 " gracilis pulchella 2
 21.317 " schmidtii 2
 21.318 " schelhasi 1
 21.319 " waetoni 1

L. Buchel (Halle, Saale, Germany) 6/21/21

Erfurt, Germany
 Haage & Schmidt

June 1921

21,320 Mann. donatii 2

21,321 " elongata stellata 2

21,322 " delatiana 2

21,323 " emegera 2

21,324 " kewensis 1

21,325 " bocasana 2

21,326 ~~Echinocarpus~~ erueacanthus 3

21,327 Dudleya lanceolata (herb. sp. 77) 6

21,328. Dudleya pulvulentata 2

21,329. " 3

21,330. Opuntia littoralis 1

Erfurt, Germany,
Krage & Schmidt

June 1921

Near Big Salt Lake, Hidalgo Co., 65
mi. n.w. of Brownsville, ²¹ Laguna Beach, Orange Co., Calif. 7/9/21
On low bluff, growing in the edges of
tangled mats Eriogonum, apparently never
in strictly open situations" G.S. Miller,
San Juan Bautista Canyon, near
San Jacinto, Riverside Co., Calif.
G.S. Miller 6/30/21
" "
Catalina Is., Calif. 7/6/21

21.331 *Mammatocactus* 12

21.332 } *Mamfida variegata* 3
 } *Remyonia longiflora* Remy.

21.333 } *Mamfida* (fruit of #21.322) 3

21.334 *Mammillaria* 3

21.335 *Echinocereus rigidissimus* 2

21.336 *Opuntia polyacantha* 2

21.337 *Cooperia* sp.
(type locality)

21.338 *Mamm. grahamii* 3

21.339 *Echinocactus lecontei* 2

21.340 " *geranthioides* 1

21.341 " " 1
"light yellow blossom"

21.342 " " 1
"has more blossoms"

21.343 *Mammillaria arizonica* 4

Reynosa, Mex. (75 mi. ^{from} ~~above~~
Brownsville, Tex.) R. Remyon #8 July '21
Brownsville, Tex.

" " " " #10
~~Monterey, Mex.~~

Reynosa, Mex. #9

In short grass west of Dragoon, Ariz.
near Tucson H. K. Shantz 5/30/21
Tucson, Mont.

James S. Holmes ?/11/21
Monterey, Mex. ?/15/21.

R. Remyon
Phoenix, Ariz. 7/21
S. S. Miller

" " " "

Grand Canyon Ariz. J. D. Perriss 7/18/21.

Carrizillo, Mex. Mrs S. L. Patterson July '21

" " Bass Homestead, Grand Canyon, Ariz.
J. H. Perriss July 1921.

21.344 *Coryphantha recurvata* 3
(fl. yellowish-green)

21.345 *Mammillaria strepera*

21.346 *Echinocereus*

21.347 *Manfreda variegata* 1
(ny)

21.348 " 2

21.349 *Telenium patum*

21.350 *Cissus mrisa* Desmoul

21.351 *Mammillaria missouriensis*

21.352 *Mammillaria* 2

353 " sp 2

354 *Echinocereus grandis* 1

355 *Mammillaria* 1

356 *Echinocereus engelmannii* 1

15-18 miles west of Nogales, Ariz.
T. J. Dyer 7/16/21
So.

Do.

La Consuelo Ranch, 20 mi. S. of
Matamoros, Mex. R. Runyon #11.

Do. #12

Do. #13

North end of valley, Townsend, Mont.
4000 ft. alt. James S. Holmes 7/28/21

Volcano Island, L.C. 4/17/21

Ivan M. Johnston 3/21

" " 3122

" " 3137

Puerto Refugio, Angel Is.
7/1/21 3369

Los Angeles Bay, L.C. 3445

21.357	<i>Echinocereus</i>	2	Los Angeles Bay, Lower Calif.	
358	<i>Echinocereus grandis</i> B. & P. n. sp.	3	San Lorenzo Is.	3446
359	<i>Mammillaria macdougalii</i> ?	3	San Carlos Bay, Cal.	3541
360	"	2	"	4373
361	"	1	Marques Bay, Canine Is.	3543
362	<i>Echinocereus brandegeei</i> (Coult.) Schum.	1	Marques Bay, Canine Is.	3833
363	<i>Mammillaria</i>	1	Danzante Is. 5/24/21	3858
364	" <i>albicans</i>	3	Monserrate Is.	3864
365	<i>Echinocereus brandegeei</i> (Coult.) Schum.	1	Santa Cruz Is.	3912
366	<i>Mammillaria albicans</i> ?	2	" "	3913
367	" n. sp.	3	San Diego Is.	3923
368	"	1	San Francisco Is.	3943
			Espíritu Santo Is.	3985

21.369 Tradescantia heterophylla Benth (1)
med.

370 Bartochiella schumannii Benth
23

371 Mammillaria johnstonii n. sp.
New name (1)

372 " 1

373 " 1

374 " 1

375 Mammillaria 2

376 " 2

377 Echinocereus grandis Benth 1

378 Mammillaria 2

379 Echinocereus scopulorum Benth

380 " " 1

Lower Calif.
Espiritu Santo Is. 3987

Johnston
La Paz 4017

Cerralbo Is. 4038

" 4058

Catalina Is. 4099

Marcos Is. 4179

Tortuga Is. 4186

" 4187

San Lorenzo Is. 4198

San Pedro Bay 4290

San Pedro Bay, Sonora 4291

San Carlos Bay, " 4344

21,381 *Mammillaria* ^{johnstonii} ~~mesochrysalis~~ Roe

382 *Mammillaria*

383 *Dudleya albigera* Roe

384 *Echinocereus engelmannii*

21,385 *Mammillaria derycaantha*

21,386 *Mam. yucatanensis*

21,387 *Euphorbia macroglypha*
~~Dead or destroyed~~

21,388 *Hyllocereus undatus*

21,389 *Mammillaria gummeri*

21,390

21,390 *Hyllocereus*

donkelaeri

21,391 *Selenicereus donkelaeri*

San Carlos Bay, Louisa 4373
Low Calif. F. Johnston

San Lorenzo Is. no. number

San Pedro Bay 4374

Near El Paso, Tex July '21
Mr. S. L. Patterson

Rare on roadside of marches
Progreso, fls. very small, rose,
fruit oblong, bright red. Gummer 24367
Tzamal, Yucatan

Gummer 24373 20 ft. high, 8 ft. diam.
Chacab, Yucatan (climb to top of
Gummer 24368) cypress trees

Poltzacans, Yucatan
fls. pale greenish-cream, on sand dunes
Progreso, Yucatan; very long crimson
Gummer 24366

Chacab, Yucatan. Mesocarp bright red
thinner best on Alamo tree 25-30 ft.
Gummer 24369

Macamal, Yucatan; Gummer 24370
to large cream-colored. Fruit purple-red edible.

21,392 *Pereskopsis scandens*

21,393 *Epiphyllum*

21,394 *Mammillaria*

Escobaria sp.

21,395 *Mammillaria sphaerica*

21,396 " "

21,397 " *americana*

21,398

~~*Echinocactus*~~ *Mammillaria*

21,399 Mam.

21,400 Mam.

21,401 *Pediocactus*

21,402 *Opuntia polyacantha*

21,403 *Pediocactus*

Yucatan, Gummer 24372

Tahual, Yucatan, Gummer 24371
Fls. crimson; fr. cream-color, 8 in. long,
climbs trees 30 ft. high.

Rio Grande, Starr Co., Texas, 200 ft.

R. Runyon #16

8110121

So.

" #14

"

" #15

5 miles east of Nogales, near Mill
line (in U.S.) in flat ground alt. 4500 ft.

H. G. Jeffrey #1

Aug. 1921

8 mi. east of Nogales, in sloping
ground, good soil, 4300 ft alt.

H. G. Jeffrey #2

8 1/2 miles east of El Paso, in
Chittman mts., Texas, Mrs. St. Patterson
Rocky flats 10 mi. east of El Paso,
at foot of Mt. Franklin, Tex. Patton

Open plains at Dadorb Lemah's Idols

H. M. Hall Aug 1921

Lima Mont. H. M. Hall Aug 30 1921

- 21.404 *Echinopses turbinata*
 21.405 *Gymnocalyceum denudatum*
 21.406 *Mammillaria mundtii*
 21.407 *Cereus flagelliformis*
 21.408 *Cereus flagelliformis*
 21.409 *Mammillaria pseudopectinata*
 21.410 *Opuntia polyacantha*
 21.411 *Echinocereus viridiflorus*
 21.412 *Opuntia* sp.
 21.413
 21.414 *Opuntia*
 21.415 *Echinocereus viridiflorus*
 21.416 *Opuntia*

Sent by Mundt.

9/1921

Sugar City, Colorado

A. A. Hansen (collected by M. Papik)

Prest Bridge, Prince George Co. Md.

On pure sand 2 mi from Thaluxent R. W.R. Mason
 Leaman Place, Pa.

H. Ulbes

9/9/21

Alpine Laboratory, Manitou, Colo.

Goldsmith

- 21.417 *Mammillaria dioica*
- 21.418 *Mammillaria pseudopubella*
- 21.419. " " *polyedra*
- 21.420 " "
- 21.421
- 21.422 *Aporocactus*
- 21.423 *Mam. missouriensis* 4
- 21.424 " *viripara* 7
- 21.425 " " 3
- 21.426 *Echinocereus coccineus* 1
- 21.427 " *triglochatus* 5
- 21.428 " *viridiflorus* 6

Near Rancho San Antonio del Mar,
a few miles, north of Colnett Pt., on
west coast Lower Calif. 5165 South
of San Diego, Calif. 8/12/21
W. S. Kew.

Cerro San Felipe, Baraca, Mex.
C. Conzatti #4141. 8/16/21

" 4140

" 4143

" #4151

" #4152

Townsend, Mont. 8/17/21

J. S. Holmes

"

"

Edgewater Colo.
R. V. Pritchett.

Sept 21
1921

"

"

"

- 21.429 *Opuntia*
- 21.430. *Cereus* |
- 21.431 " |
- 21.432 *Selenicereus pruigleyi* |
- 21.433 " |
- 21.434 *Cereus serpentinus strictus* |
- 21.435 " *schrubkii* Tur. & Henl. |
- 21.436. " *grandiflorus* Miers |
- 21.437 " " *urano* |
- 21.438 " *uniflorus* |
- 21.439. *Cereus* sp. nov. |
- 21.440 " *breckmannii* Otto |

Polytechnic, Texas

Zarapa, Garat.

H Weingart -

Zarapa " "

" "

?

" "

" "

" "

(To this from Cuba)

" "

Weingart, Germany

Haiti " "

Columbia

- 21.441 *Selenicereus*
 21.442. " *gandiplonus*
 21.443 *Cereus*
 21.444 " *serpentinus* Lag. type
 21.445 *Selenicereus*
 21.446, *Cereus bseckmannii* Otto & M.
 21.447 " *baumannii flavispinus*
 21.448 " *gregomarius* Wgt.
 21.449 *Nyctocereus hischitiansis*
 21.450 *Cereus konigshoffii*
 21.451 *Cereus superbus* Ehrenb.

- Haiti
 from W. Wengert, Germany #17
 St. Thomas
 " " " #23
 from Ode, Hamburg
 thru W. Wengert #43
 " #7
 " #10
 " #11
 " #13
 " #4
 " #28
 " #31
 " #29

21.452 *Cereus*

Seeds

21.453 *Cereus*

Seeds.

21.454. *Cereus* ~~oxycarpus~~
dead see herb

21.455. *Selenicereus masonii* R. & B.
Dead

21.456 *Cereus martianus*

21.457. " " ♀
x *Phyllocactus sieboldianus* ♂

21.458. *Selenicereus fothii* sp. n.

21.459. *Cereus humilis*

21.460 *Cereus*

21.461. " *vaupelii*

21.462. " *humilis*

21.463 " *flagiformis*

Zorapa Guat., H. Weingart

—

35

Paraca

38

37

20

5

Paraguiri Paraguay, C. Grope.
Lith. W. Weingart

19

29

Haiti

18

25

Mexico; C. A. Purpus

2

- 21.464 *Cereus ambiguus*
- 21.465 *Cereus*
- 21.466 *Cereus irradiatus* Lem.
- 21.467 *Epiphyllum* n. sp.
- 21.468 *Myctocereus turichianus*
- 21.469. *Epiphyllum grandilobus* 1
Weber & Wendt
- 21.470. " " n. sp. 1
- 21.471 *Opuntia macrohiza* Engelm 3
- 21.472. *Echinocereus coccineus* 1
- 21.473 *Opuntia leptocoma* 1
- 21.474 *Opuntia pallida* 2
- 21.475. ~~Couper~~ *Alamoscoa* 2
- 21.476 *Cooperia pedunculata*

- Palermo # ~~3~~
- W. Wendt # 30
- " # 1
- " # 3
- San José C. Rica
C. Wendt
- Maricopa
W. Wendt # 28
- El General, Costa Rica
C. Wendt
- " "
- " "
- Near Trinity River, Tarrant Co., Tex.
Albert Ruth 10/11/21
- Flagstaff, Ariz.
Jas. H. Davis Oct. 21
- " " "
- Mexico; C. Perche 1921
- Brownsville, Tex.
R. Kunyon # 18 10/13/21
- " # 17

- 21.477 *Mammillaria arizonica*
 21.478 " *sphaerica* (fruit)
 +
 21.479 *Pereskia johnstonii*
 Seeds/Booth
 21.480 *Echinocactus graessneri* 3
 21.481 *Echinocactus levinghamii* 3
 21.482 *Mammillaria meracantha* 1
 21.483 *Echinocereus viridiflorus* 2
 21.484 *Mamm. radiosa* 3
 21.485 *Echinocereus*
 21.486 *Opuntia trichophora*
 21.487 *Oralis latoides* HBK.
 21.488 *Neotrideaea benfollis* 1
 21.489 *Cooperia* 4

- Walnut Co. Cliff ruins. Aug.
 J. H. Dennis 10/16/21
 Brownsville, Tex. +
 R. Penyon 10/22/21
 San Josep Is., Lower Calif.
 J. M. Johnston 3940 7/28/21
 Haage & Schmitt
 " "
 Comtillo, Tex.
 Mrs. S. F. Patton 10/24/21
 " "
 Ecuador; Rowlee
 Reynosa, Mex.; limestone hills
 R. Penyon #20. 11/1/21
 " #21

21.490 *Escobaria runyonii* 2

21.491 *Cactus broadwayi*

21.492. *Echinocactus*

21.493. *Sedum spatulifolium*

21.494. *Echinocereus baileyi* Rose (4)

21.495 *Echinocereus viridiflorus* (4)

21.496. *Mammillaria grahamii* 4)

21.497 *Echinocereus scheeri*

21.498 " *barcena*

21.499 " *dubius*

21.500 " *glycineiflorus*

21.501. " *spinebarbis*

21.502 " *poselgerianus*

Reynosa, Mex. (limestone hills) 15
P. Runyon #19 "11/21

Grenada, B. W. I.

R. O. Williams John Brauer,
St. Thomas, Nevada.

Near Victoria, B.C. Saanich Inlet
G. S. Miller Oct. 1921.

Wichita Nat'l Forest, Cache, Okla
Frank Rush "11/21

Colo. Springs, Colo. 11-1-21
S. W. Goldsmith "11/9/21

Tucson, Ariz.
Arthur Barton 11-1-21

Erfurt, Germany
Haage & Schmidt 11-1-21

21.503 *Echinocereus ehrenbergii*

21.504 " *enneacanthus caninus*

21.505 " *leouensis*

21.506 *Echinocactus bringhausii*

21.507 " *mihanovichii*

21.508 " *platanensis*

21.509 " *haxelbergii*

21.510 " *ourseliana*

21.511 *Sedum*

21.512 *Echinocactus polycephalus*

21.513 *Coryphantha chlorantha*

21.514 *Phellocperma tetracista* (Engelm.)

21.515 *Opuntia racinervisima*

21.516 " *smallia*

Haage & Schmidt

Nov. 1921

Hort. Bot. Berol. (ca. 1910)

God Springs, Nev.

D. J. Hewett #1

2

3

4

4a

21.517

21.518 *Ibervillea*

21.519 *Mammillaria grahamii* 2

21.520 *Chinocereus engelmannii* 2

21.521 *Opuntia basilaris* 1

21.522 *Mammillaria arizonica* 3

21.523 *Phyllocactus pittieri* 1

21.524 *Epiphyllum strictum* 3

21.525 *Phyllocactus cartaginensis* 2

21.526 *Epiphyllum*

21.527 *Mammillaria appplanata* 1

21.528

Arizona

R. Runyon - Texas

Peach Spring trail to Grand Canyon, Ariz. J. H. Parris

Costa Rica; C. Weisbl. 11/121

Oaxaca Mexico

C. Conzatti

Pearsal, Texas

D. C. Porman

bottom of the Oris River, 4 mi. n. w. of Pearsal in the heavy brush near river channel. 11/23/21

- 21.541 *Opuntia* 1
 21.542 " 1
 21.543 " 2
 21.544 " "
 21.545 *Mammillaria tetraucita* 1
 21.546 *Ferocactus lecontei*
 21.547 *Echinocactus polycephalus*
 21.548 *Ferocactus acanthodes*
 21.549 *Opuntia ramosissima*
 21.550 *Mammillaria*
 21.551 *Echinocereus engelmanni* 2
 21.552 *Dudleya* 6
 21.553 *Agave* 1

Kearns
 Kearns Canyon, Ariz.
 J. H. Dudley Burton (4) 11/18/21

" (5)

" (6)

(7)

Oatman, Ariz.
 J. H. Perriss #30 12/6/21

Topock, Arizona
 J. H. Perriss #32 12/5/21

California
 J. H. Perriss Dec 1921

Independence Mts, 3 miles north of
 Danby station, Calif. #34 Dec. '21
 J. H. Perriss

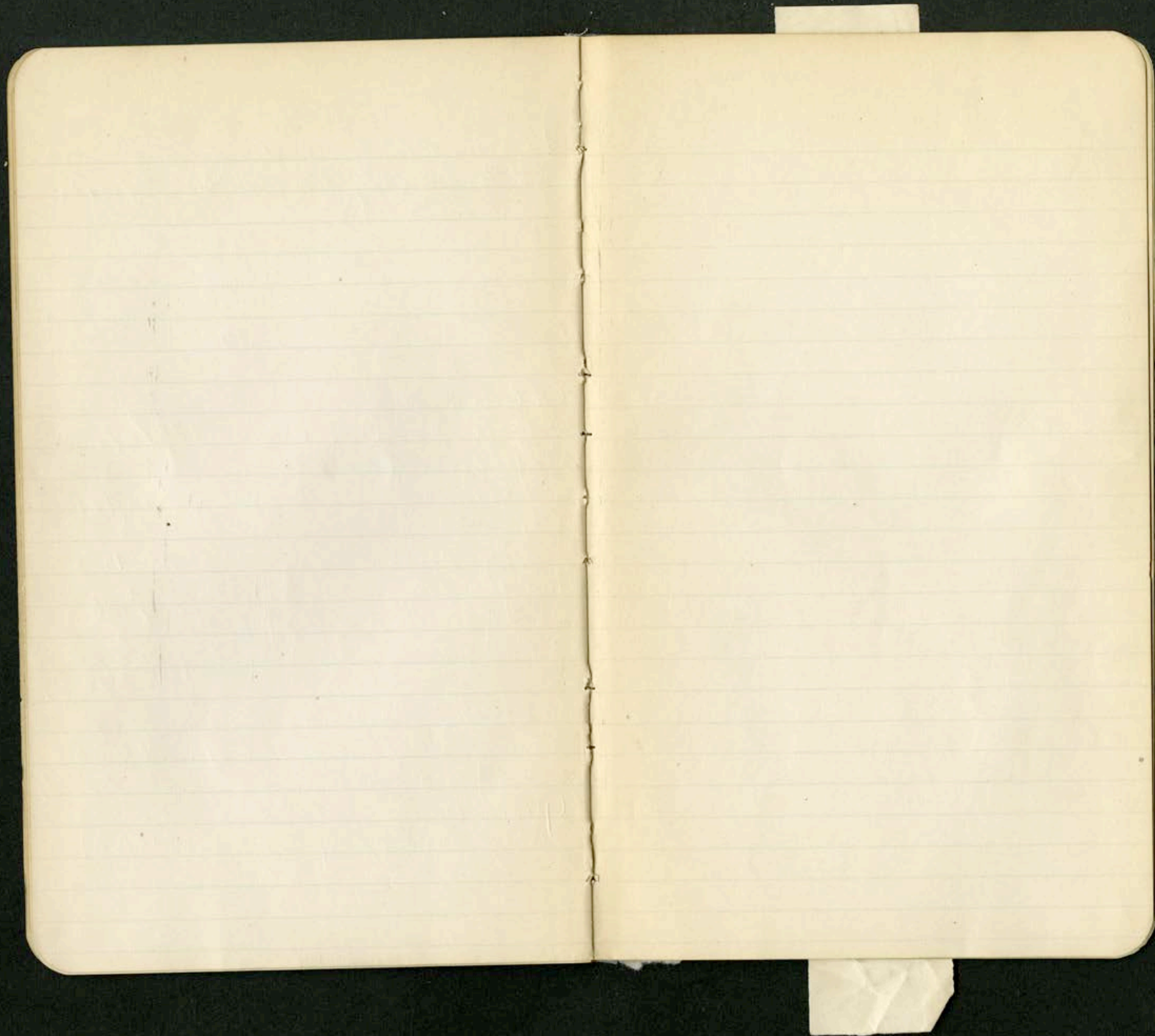
Between Kingman & Ambury, Calif.
 Perriss #35 Dec '21

In volcanic hill, 12 mi. east of
 Ambury Calif., near old Dorail Highway
 J. H. Perriss #36 Dec '21

Yucca, Ariz.
 Mrs. Chas. Bly 12/20/21

"

"





Ehrenpreis.

Walter Mundt

Kakteen-Export * Kakteen-Import
Mahlsdorf-Berlin.



Gold. Medaille.

Nachnahme

Mk.

Pf.

Mk.

Pf.

Handwritten notes on a separate piece of paper:
Kakteen-Export * Kakteen-Import
Mahlsdorf-Berlin
Kakteen-Export * Kakteen-Import
Mahlsdorf-Berlin

1922 - 1924

Erinacea serotina ?
blühend rot

Mom. munda

Mom. pumila perbella

Erinopsis auriculata

121

22

May

1921

22 306

Dec 1922: 1327

Prunella

San Magdalena Ave.

under magnolia tree

24,500

Mam.
magatlanensis Mt.

echt!

22⁽¹⁵⁾ 307

Orcutt 1922: 1273

Mamillaria grahami ?

Magdalena Sonora

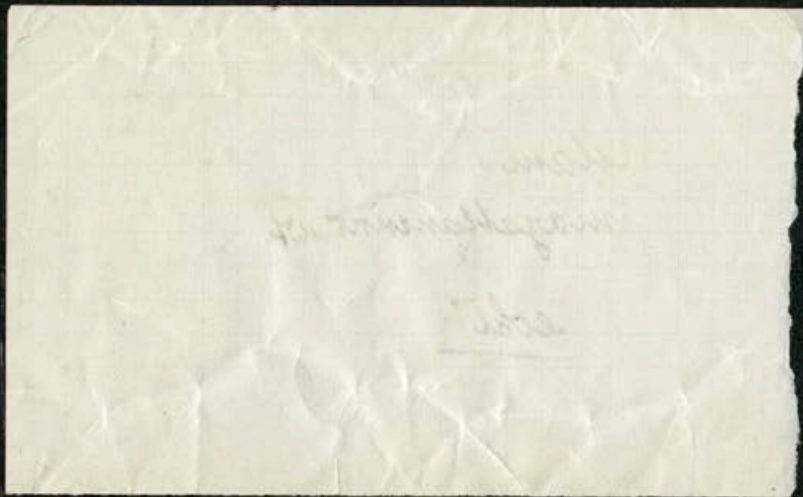
22.306

Orcutt 1922: 1327

Mamillaria

Near Magdalena Son.

under mesquite tree



283 JAN 1 1922

WEEKLY OFFERING \$.....

—FOR—

CURRENT EXPENSES

First Baptist Church,
TUCSON, ARIZ.

"Upon the first day of the week let every one of you lay by him in store as God hath prospered him."—1 Cor. 16: 2.

NAME

PAT JAN 2 '12

JAN 1 1922 283

WEEKLY OFFERING \$.....

A STREAM OF MONEY

—FOR—

MISSIONS

This will be distributed in accordance with the missionary budget authorized by the church unless contributor shall direct otherwise.

NAME

DUPLIX-RICHMOND VA

TT & TOWNE

le of

VEGA COATED

ITE

— 100

— 120

to Ream

121

22

may

121

1922

22.1 Cocos weddelliana

22.2 Mammillaria grahami 1

22.3 " (monillea casanoviensis)

22.4 " "

22.5 " "

22.6 " "

22.7 " "

22.8 " "

22.9 Lemniscocereus benckeii

22.10 Opuntia i

22.11 Mammillaria elegans

22.12 " rhodantha

22.13 Coryphantha burmanni

22.14 Opuntia vulgaris

22.15 " aurantiaca Lindl.

San José, Costa Rica C. Wachtel 12/15/21

Sierra Seri, Sonora, Mex. 1/2/22
C. Sheldon

Buenavista de Cuellar, Guerrero, Mex.
C. Nuñez #1 11/25/21

" #3

" #6

" #4

" #5

" #2

↓
Iguala, Mexico, ~~1921~~
C. Reiche Jan. 22

" " "

" " "

" " "

Yela Martín García, Argentina, No. 3
A. Castellanos 10/30/21

La Colonia, Uruguay No. 5
Do 12/18/21

- 22.16 *Rhipsalis lumbricoides* Lem.
 22.17 *Malacocarpus mammulosus* (Lam.) B.S.P.
 22.18 " *ottonis* (Lam.) B.S.P.
 22.19 *Opuntia arechavalelae* Speg.
 22.20 *Coryphantha*
 22.21 *Mammillaria ortegai*
 22.22 " *smalolensis*
 22.23 *Echinocereus luteus* B.S.P.
 22.24 *Lemaireocereus thurberi* B.S.P.
 22.25 *Lemaireocereus thurberi* B.S.P.
 22.26 " "
 22.27 *Pachycereus pecten-aboriginum*
 22.28 *Cephalocereus purpusii* B.S.P.
 22.29 *Acanthocereus occidentalis* B.S.P.
 22.30 *Opuntia*

Conchillas, Uruguay
 A. Castellanos

- do.
 do.
 do.
 do.
 do.
 12 mi. from Fort Worth, Tex.
 J. R. Sneed
 Near Mazatlán, Mexico
 J. B. Ortega

No. 6
 12/19/21
 No. 7
 12/20/21
 No. 8
 12/20/21
 No. 9
 12/20/21
 1/24/22
 No. 2
 No. 10
 # 1
 # 4
 # 5
 # 6
 # 7
 # 8
 # 9
 # 11

- 22.31 *Opuntia*
- 22.32 *Hyllocereus purpusii* B. & R.
- 22.33 *Rathbunia sonorae* B. & R.
- 22.34 *Coryphantha runyonii* 1
- 22.35 3
- 22.36 *Mammillaria dioica*
- 22.37 *Echinocereus reichenbachii* 4
- 22.38 *Coryphantha* 3
- 22.39 *Mammillaria phellosperma*
- 22.40 " *goodenoides*
- 22.41 *Eremurus warsi*
- 22.42 " *tardiflora*
- 22.43 " "
- 22.44 " *bungei*
- 22.45 " *tardiflora*

- Magatlan Mexico # 12
J. G. Ortega
- # 13
- # 14
- Starr Co., Texas, 1000 ft.
R. Runyon
- " # 21
- Mason Valley, San Diego, Calif.
C. R. Orcutt
- San Antonio, Tex. R. Runyon March 1922
- " " "
- Mason Valley, Calif. C. R. Orcutt ^{Feb.} 1922
- " " "
- Cult. in England 1922
H. G. Elwes

22.46 *Sticklelandia euerosivida*
22.47 *Hippocratum brachyandrum* Baker

22.48 *Mammillaria*

22.49 " *Cryptantha* *junila* ^{not} (incl. type)

22.50 " *sphaerica*

22.51 *Rumyonia tenuiflora*

22.52 *Mammillaria*

22.53 " "

22.54 *Selaginella eremophila*

22.55 *Mammillaria milleri* n. sp. (M) +

22.56. " *tetrancistra*
Suds Elves, Mount Boschan

22.57 *Opuntia basilaris*

22.58 *Jouguiera splendens*

22.59. *Opuntia macrantha*
see letter 4/3/22 - Wherry

Cuet. in England H. J. Elwes 1922
(from Emsler)

Cerro de Santa Catarina, 2770m. alt.
C. Reich March 22, 1922

50 miles s. of Reynosa, Mex.
R. Runyon # 24 3/29/22

Abville, Texas

" 22 3/29/22

Reynosa, Mex.

" 23 3/ - 122

Dort Worth, Texas

3/27/22

J. R. Sneed

" " 3/27/22

"

Palm Spring, Calif.

Coll. by McKelvey March 1922

Yucca, Ariz.

Mrs. Chas. Bley March 1922

"

"

"

"

"

"

"

"

"

Pine woods on sand-hills, 4 miles
east of Mason, along road to Camp
Wherry, Gen. E. T. Wherry 4/3/22

- 22.60 *Opuntia serpentina* 4
 22.61 " *prolifera* 1
 22.62 *Mammillaria bartramiana* Mart. 3
 22.63 " *spacelata* 1
 22.64 " *retusa* 1
 22.65 " (*near elegans*) 4
 22.66 " *rickoi* 1
 22.67 *Epiphyllum stenopetalum* 3
 22.68 *Echinocactus conigerus* 1
 22.69 *Opuntia* sp. cf. *tortispina* 1
 22.70 *Hyloterpe polyrhiza* 4
 22.71 *Mammillaria similis* 1
 22.72 " " 8
 22.73 " " 2
 22.74 *Mammillaria grahamii* 1
 22.75 " " 1

North San Diego, Calif.
 C. R. Orcutt #6

" " #5

Oaxaca, Mexico. 4/2/22
 B P Rebo.

" " "

" " "

" " "

" " "

" " "

" " "

Starkville, Miss. 4/-/22
 W. Henry

Ecuador 4/21/22
 F. W. Goding

Texas, in farmer's yard, Indiantown. 4/18/22
 B. C. Sharp.

" . Steep sandstone hill, Smithville
 "

" . Smithville
 "

Arizona. Rock Creek, #3 4/18/22
 Ruth E. Ross.

" " #4 (near #3)
 "

- 22.76 *Mammillaria grahamii* 1
 22.77 " " 3
 22.78 " " 1
 22.79 " " 1
 22.80 " *fasciculata* 2
 22.81 " *oliviae* 1
 22.82 *Oreocereus strausii* 4
 * 22.83 *Opuntia soehrensii* B. & Rose 2
 22.84 *Opuntia exaltata* 4
 22.85 *Mammillaria* 1
 22.86 " 2
 22.87 " 1
 22.88 " 1
 22.89 " 1
 22.90 " 2
 22.91 " 1

- Arizona. Road from Christmas to Globe 4/18/22
 Ruth C. Rose #5
 " (near #5)
 " #6
 " Top of ridge
 " #1 4/13/22
 " Pinedale basin, western ridge
 " #2
 " Sabino Canyon, Sta. Catalina Mts 1/15
 Forest Shreve
 Bajada of Sierra Mts, SW of Tucson 2/22/22
 " "
 Germany Berlin Bot. Gard. 4/-/22
 Fr Vaupe
 Peru, Cuzco 2/26/22
 Fortunato L Herrera
 " "
 " "
 Arizona, Little Gold Gluch near old mill 4/23/22
 Ruth C. Rose #7
 " The tablelands, northwest rim 4/26/22
 " #8
 " (near #8)
 " #9
 " #10
 " #11
 " Road from old mill to Winkelman 4/27/22
 " #12
 New Mexico, Box Cañon, 4 mi. N. of Santa Fe 4/30/22
 L. E. Wood

- 22.92 *Mammillaria confusa* 1 NY ✓
- 22.93 *Rhipsalis leucorhaphis* 2
- 22.94 *Cyanotis kewensis* 1
- 22.95 *Cyanotis* 1
- 22.96 *Rhipsalis crispata* 1
- 22.97 *Mamfusa tigrina* 3
- 22.98 *Mammillana wismannii*
Seeds
- 22.99 *Echinocactus megarhizus* 2
Seeds Bozhan/
- 22.100 ^(Bismaya) *Mammillaria mazatlanensis* 3
- 22.101 ^(Bajío de V. rufus) *Cephalocereus purpurinus* 1
- 22.102 ^(Grazoff) *Rathbunia* 1
- 22.103 ^(Mojave) *Opuntia* 1
- 22.104 ^(Mojave) *Opuntia* 1
- 22.105 ^(Cady) *Echinocereus luteus* Rose 1
- 22.106 ^(La. Bajío Bismaya) *Mammillaria ortegae* 2
- 22.107 *Argemone intermedia* 1
(Seeds)

- Berlin (N.Y.B.G. 30353) 5/12/1922
W. Mundt
N.Y.B.G.
Shaffer 5/12/1922
- N.Y. Bot. Gard. 38247
(Loc. 1) Mason's Bot. Gard. 1913
N.Y. Bot. Gard. 457916
(Loc. 2) H. Natho 1917
N.Y. Bot. Gard. 29926
(Loc. 3) C.B. Berger 1908
Tennessee, Chattanooga
R.S. Walker (J.W. Freeman B.P.L.)
Oklahoma Agr. College
C.O. Chandler 1921
- Mexico; Reynosa 5/10/22
Robert Runyon
- Mexico; Mazatlán 5/10/22
J.C. Ortega #2
" " #3
" " #4
" " #5
" " #6
" " #7
" " #8
Texas, Brownsville (flowers white) 5-11-22
Robert Runyon

- 22.108 *Argemone mexicana* 1
(Seeds)
- 22.109 *Euphorbia* 2
(Seeds) (Barham)
- 22.110 *Salsola pectinata* 3
- 22.111 *Opuntia floccosa* (Robt. common n.) 3
- 22.112 " " common name (Huarahki!) 2
- 22.113 *Hyloterms polyrhizus* 2
(Seeds)
- 22.114 *Dacrydium* 1
- 22.115 *Echinocereus mojavensis* 1+1
- 22.116 *Opuntia pollardi* 2
- 22.117 *Pediocactus robustus* 3
- 22.118 *Selenicereus pteranthus* 1
- 22.119 *Lemniscocereus griseus* 1
- 22.120 *Arenas jamaicensis* 1
- 22.121 *Echinopsis gemmatas* 1
- 22.122 *Echinopsis* 1
- 22.123 *Echinopsis* 1

- Texas, Brownsville. (yellow flowers) 5/1/22
Robert Runyon
- Mexico, Parc de Chapalhepec. 5/3/22
Karl Reiche 1 Sheet det. for USNH. III-19-32
2 .. dupl. for dist. (E.C.F.)
- Mexico, near Tehuacan
B.P. Rubio
- Peru, Cusco. 4/24/22
F. L. Herrera
- " "
- Ecuador. 5/26/22
Dr. Goding
- Guatemala, (Cactus on Escoba Palm. see Photo)
A.F. Cook
- Colorado det. 5/24/22
S. B. Parish. = Mung + Johnson #5298
- Virginia, Cape Henry 5/30/22
E.T. Wherry
- Washington, Yakima 5/29/22
Eliot Nelson
- (In cultivation) 5/31/22
E.P. Childs #1
- (In cultivation)
E.P. Childs #2
- (In cultivation)
E.P. Childs #3
- (In cultivation)
E.P. Childs #4
- (In cultivation)
E.P. Childs #5
- (In cultivation)
E.P. Childs

- | | | | | |
|---------|--|---|--|---------|
| 22.124 | <i>Echinopsis</i> | 1 | (<i>A. Cuthbertii</i>) | |
| 22.125 | <i>Cereus-Echinocereus munitzi</i> ^(best spec) _(N.Y.) | 1 | California; locally abundant on dry rocky slopes. ^{5/21/22} | |
| 22.126 | <i>Echinocereus coccineus</i> . | 3 | Arizona; Clifton | |
| *22.127 | <i>Psilotum nudum</i> (L.) Griseb
*Not planted - made into specimen. | | W.W. Eggleston | |
| 22.128 | <i>Pediocactus simpsonii</i> | 4 | Columbia, Buenaventura Bay on tree | 4/2/22 |
| 22.129 | <i>Coryphantha vivipara</i> | 1 | E.P. Killip. | |
| 22.130 | <i>Acanthocereus pentagonus</i>
<i>Pennariocactus griseus</i> (New) B.R. | 2 | Colorado; Manitou | 6/7/22 |
| 22.131 | <i>Opuntia bella</i> Br. + Rose | 1 | Iron. M. Johnston (b) | |
| 22.132 | <i>Cactus obtusepetalus</i> | 1 | " " | |
| 22.133 | <i>Zygocactus truncatus</i> | 1 | " (a) | |
| 22.134 | <i>Sedusa</i> | 1 | Columbia, below Laguna | 5/4/22 |
| 22.135 | <i>Coryphantha vivipera</i> | 1 | EP Killip #5412 | |
| 22.136 | " " | 1 | " below Laguna | |
| 22.137 | " " | 1 | " #5414 | |
| 22.138 | <i>Opuntia</i> | 1 | " below Laguna | |
| 22.139 | <i>Opuntia</i> (Surida) | 2 | " #5415 | |
| | | | " Cult. at Cumbe, isolated native here. | 5/4/22 |
| | | | " #5790 | |
| | | | " Buenaventura Bay. | |
| | | | " #5228 | |
| | | | Colorado, col. Springs, Pifamir | |
| | | | J.W. Goldsmith | |
| | | | " Month of Austin Bluffs | 6/1/22 |
| | | | " | |
| | | | " Top of Austin Bluffs | |
| | | | " | |
| | | | Texas; Austin | 6/15/22 |
| | | | William Tell. (1) | |
| | | | " | |
| | | | " (2) | |

- 22-140 *Echinocactus setispinus* 1
- 22-141 *Mammillaria mitallii* 1
- 22-142 *Mammillaria appplanata* 1
- 22-143 *Echinocactus texensis* 2
- 22-144 *Opuntia* (Tama) 2
- 22-145 *Opuntia* 2
- 22-146 *Echinocereus reichenbachii* 2
- 22-147 *Opuntia* (Pekka) 2
- 22-148 *Lobelia caribaea* (Anapasco) (ny) 7
- 22-149 *Opuntia* (Anapasco) 1
- 22-150 *Selenicereus spinulosus* 2
- 22-151 *Mammillaria microcarpa* (New sp) (ny) 1
- 22-152 *Opuntia* 1
- 22-153 *Pachycereus gaudieri* R. & R. (New sp) (ny) 1
seeds & pupae, shells, Brachan.
- 22-154 *Echinocereus mungii* 1
- 22-155 *Hudleya*

- Texas; Austin (1) 6/15/22
William Tell
- " " " (1)
- " " San Saba Co. (1)
- " " " (2)
- " " " (2)
- " " " (2)
- " " " (2)
- " " " (2)
- Peru; Cusco. 3700 a 4000 m. sobre el nivel del mar. 5/1/22
Fortunato J. Herrera.
- " {El punto es, de Huarachko. ó sea Cactus Andino?
El Anapasco, crece en los alrededores del Cusco.
" {Crece en masas, campos de 30 a 35 hectáreas
que apenas sobresalen del suelo.
" Anapasco y una parcela, de Anapasco. - Alto de la Cruz
del Cusco 3500 a 3600 m.
- Mexico; Monterey
E.P. Gifford
- Arizona; on upper terrace on right bank of Gila River in 6/14/22
could have colony of about 15 T 4 SR 16 E.
R.C. Ross #13
- " Mexican yard near Nelson Lumbago, Winkelman. 6/15/22
- Mexico; Izamal Yucatan.
- California; Bear Valley, San Bernardino Mts. 6/18/22
Geo. F. Gummer.
Locally abundant on dry rocky slope along road side of
Baldern Lake
- California, (with 5759)

- 22-156 *Echinocereus* *mojavensis* 2
- 22-157 *Opuntia* 1
- 22-158 (Wild yam) 1
- 22-159 *Pebocactus* *semsonii* 1
(Det.) Bozhan
- 22-160 *Coryphantha* ~~*condens*~~ 2
- 22-161 *Mammillaria* *centricincta* 1
(Det.)
- 22-162 *Coryphantha* *virifera* 1
- ~~22-163 *Opuntia* (Blank) 1~~
- 22-164 *Mammillaria* 1
- 22-165 " 1
- 22-166 " 1
- 22-167 *Echinocereus* 1
- 22-168 *Mammillaria* *weismannii* 2
- 22-169 *Coryphantha* *aggregata* (Engelm.) 3
- 22-170 *Hassleranthus* 1
- 22-171 *Coryphantha* *virifera* 5

- California; San Bernardino Mts. ^{locally abundant on dry rocky slope}
^{along the divide north-west of Redwood Lake.}
7000 ft. 6/13/22
Murray # 5760
- Georgia; Ft. Barrington
Edgar T. Wherry 6/23/22
- Santo Domingo
W.L. Abbott # 2389 1922
- Colorado; Mt. Para Trail near Pongo Ranch 2 1/2 mi
n.w. of Manitou
J.M. Johnston. 6/19/22
- Mexico; between Tacubaya + Santa Fe; common.
H. Reiche
- Mexico " "
- Alberta; Jun.
A. Carr Harris
- Arizona; Tule Spring, Aravaipa Creek about 2 mi
^{South of Aravaipa.}
Ruth C. Ross # 14 6/11/22
- " " # 15
- " " # 16 x
- " " # 17 x
- Oklahoma; Dillwater
C.O. Chambers
- Arizona; Ridge south of Aravaipa
C.P. Ross 6/26/22
- California; Los Angeles
Dr. Davidson
- Alberta; Banff
Dr. + Mrs. Walcott.

- 22-172 *Opuntia polycantha* (ny) 175
- 22-173 *Mammillaria joazeiriana* 2
- 22-174 *Mammillaria phellosperma* 1
- 22-175 *Mammillaria* 1
- 22-176 *Opuntia fuscata* Engelm. 1
- 22-177 *Echinocereus blanchii* 4
- 22-178 *Pavonia lasiopetala* 6
- 22-179 *Mammillaria milleri* (ny) 1
- 22-180 *Opuntia basilaris* 2
- 22-181 *Opuntia truncata* 2
- 22-182 ^{Sobivra} ~~Pectinocactus~~ *caribaeus* 2
- 22-183 *Opuntia floccosa* 3
- 22-184 *Opuntia* 1
- 22-185 *Cactus cactus* Br. & R. 2
- 22-186 *Coryphantha arizonica* 1
- 22-187 *Echinocereus occidens* 1

- Alberta; Banff.
Dr + Mrs. C. D. Walcott.
- Mexico, from Mica de Alpi, Conch, Belguina. 6/19/22
Frantz de Laet.
- Arizona, Bouse. 6/26/22
C. R. Orcutt.
- Arizona, Wickenburg
C. R. Orcutt.
- Texas, Brownville 6/25/22
R. Runyon # 26
- " " # 25
- " " "
- Arizona; Phoenix
C. R. Orcutt.
- California, Los Angeles
W. Kern. 5/3/22
- Burr, Casco
Fortunato L. Herrera
- " "
- " "
- S. Carolina; Market Corner
C. T. Wherry
- Venezuela; Caba Blanco July 15/22
H. Pittier
- Utah; Flat Top about 2000 ft from Salina Exp. Station. 7/8/22
A. B. Clausen thru C. D. March. (a)
- " "
- " "

- 22-188 *Echinocereus coccineus* (ny) 3
 22-189 *Echinocactus bicolor* 2
 22-190 *Mammillaria macrocarpa* 1
 22-191 *Echinocereus coccineus* Engelm. 1
 22-192 *Opuntia whipplei* Engelm. 1
 22-193 *Coryphantha runyonii* (ny) 2
 22-194 *Ariocarpus fissuratus* 1
 22-195 *Mammillaria multiceps* 1
 22-196 *Coryphantha pectinata* 1
 22-197 *Echinocactus horizontalis* 5
 22-198 *Opuntia echinii* 3
 22-199 *Echinocactus erectocentrus* 1
 22-200 *Coryphantha aggregata* Engelm. 1
 22-201 *Pachylophus marginatus* (Muhl) Rydb. 1
 (Seed)
 22-202 *Echinocereus mitchellii* sp (ny) 2
 22-203 *Mammillaria aggregata* Engl (ny) 1+8+2

- Utah; Gooseberry Creek 2-3 miles below Salina
 C.D. Marsh (c)
 Texas; Roma
 Robert Runyon 7/14/22
 Arizona; Mt. Graham
 C.B. Orcutt
 " "
 " "
 " "
 Texas 7/15/22
 Robert Runyon
 Texas; Langtry, limestone Ridges 7/18/22
 Geo. L. Fisher #1
 " Rio Grande Bluffs under shrubs
 " #2
 " "
 " #3
 " gravel hills
 " #5
 " Limestone, under brush
 " #8
 Arizona, Plantano
 Orcutt 1922: 706
 " "
 " 717
 " Mt. Hargna Hala, Wenden. 7/24/22
 A.F. Moore.
 Arizona; Aravaipa near road office growing in a circular clump about 2 ft. in diameter about 20 heads from the center. Very common here but not usually in such large clumps.
 Ruth C. Ross # 23 7/17/22
 " near Mt. Pantomano camp on road to Aravaipa. Hemispherical clump of several in every weighing 6 lbs and containing 50+ heads. Fairly common.
 " # 22 7/16/22

- 22-204 *Opuntia whipplei* 1
 22-205 *Mamfeda* 2
 22-206 *Mamfeda* 1
 22-207 *Mammillaria clivae* 5+1
 22-208 *Spreckelia formosissima* 7
 22-209 *Mammillaria milleri* 3
 22-210 *Echinocereus dasyacanthus* 1
 22-211 *Peniocereus greggii* 3
 22-212 2
 22-213 *Echinocereus barkeyi* Rose (my) 7
 22-214 *Opuntia* 1
 22-215 1
 22-216 *Cereus* (my) 1
 22-217 *Epiphyllum phyllanthus* (my) 2
 22-218 *Opuntia brasiliensis* (my) 3
 22-219 *Rhipsalis heuserae* (my) (Dead) 3
 (Oct 10 1922)

- Arizona, road from Klondike to Safford; cress
 blossoms. Fr. pendant. Parish C. Ross #20 7/1/22
 Tennessee.
 R. S. Walker
 " "
 " "
 Arizona. Orcutt #802
 Mexico B.R. Villaseñor (% W.R.M.)
 Arizona; Wickentung; steep dry rocky hillside 7/24/22
 F.A. Greeley % O.C. Thompson.
 Texas Susan Pattison
 Texas, east of Finley on flat near Roche Mts. in water bank.
 Columbia. ^{woods near summit of divide between Rio Suro + Rio Piedra,}
 west of Popayan, Dept. of Cauca. (alt 1000 ft)
 Pennell + Kilip # 8203 7/3/22
 Oklahoma, Cache. Frank Rush.
 Peru, below Cuzco 2500 m. 7/1/22
 F. L. Heusera
 " 1500 m.
 " "
 " "
 " 1200 m.
 " "
 " 1000 m.
 " "
 " —
 " "

22.220	<i>Ferocactus johnsonii</i>	2
22.221	<i>Echinocereus</i>	1
22.222	<i>Opuntia</i>	1
22.223	<i>Dudleya flava parva</i>	1
22.224	<i>Opuntia pollardii?</i>	1
22.225	<i>Musembryanthemum dorecii</i>	1
22.226	<i>Mammillaria mulleri</i> nsp.	4
22.227	<i>Echinocactus wislizeni</i>	1
22.228	<i>Echinocereus</i>	3
22.229	"	5
22.230	"	1
22.231	"	1
22.232	<i>Mammillaria</i>	3
22.233	"	1
22.234	"	1
22.235	<i>Coryphantha</i>	5

California

James H. Ferriss
Oklahoma, Ada.

2
Alberta, Gem. (Fouder 1917.)

J. A. Car Harris

California, Los Angeles
Dr. A. Davidson.

New Jersey, Beechey Point

E. F. Wherry

England, 85 St Albans Road, Ilford
C. Dennis O'Donoghue

Arizona, Phoenix.

O. C. Thompson
Arizona, Arizpa
Mrs Ruth Ross

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7/12/22

Aug 1922

22.236 *Opuntia* 1

22.237 " 1

22.238 " 1

22.239 " 3

22.240 " 1

22.241 *Foucaea* 1

22.242 *Opuntia*

22.243 *Echinocereus coccineus*

22.244 *Pediocactus simpsonii*

22.245 *Sedum niveum*

22.246 *Rhysalis*

22.247 (1) *Mammillaria Kermesiana*

22.248 (2) *M. conzattii*

22.249 (3) *Mammillaria*

22.250 (4) *M. pseudoperbella*

Arizona, Arizpa
Mrs. Ruth Ross.

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Utah, Bet. Saline & Saline Experiment Station, 7,000 ft.
C. D. Marsh, Sept. 6, 1922

Utah, Koosharem Canyon
C. D. Marsh " "

" " " "

California, San Bernardino Mts. Dollar Lake.
Philip A. Murray Aug. 24

In cultivation at Lynchburg, Virginia
Perry R. Monroe Sept. 1922

Mexico, Oaxaca
C. Conzatti, Aug 23,

"

"

"

- 22.251 *Echinocactus diguetii*
- 22.252 *Dendrocereus nudiflorus*
(Dead)
- 22.253 *Opuntia prolifera*
- 22.254 *Berginocactus emoryi*
- 22.255 *Opuntia* "West Virginia"
- 22.256 *Hyllocereus purpurin*
- 22.257 *Argemone platyceras bifida* P.
- 22.258 *Sedum*
- 22.259 *Aracacia*
- 22.260 *Pronoscradum*
- 22.261 *Opuntia opuntia* (ny)
- 22.262 *Opuntia* (ny)
- 22.263 *Rhipsalis grandiflora*
- 22.264 *Echinocereus*
- 22.265 *Mammillaria*
- 22.266 *Sclerophyllum hassei*

13394)

Lagoon, Angel de la Guardia Isl. Lower Cal.
J. M. Johnston - May 2.
Dominica, B.G. Gardner
Joseph A. Jones, Chas. E. H. Bailey
California, Avalon,
Ezra C. Knopf.

Harpers Ferry, W. Va.
E. T. Wherry, Sept.
Zepher, Nayarit, Mexico
C. R. Orcutt

The Lagoon, Angel de la Guardia Island, Lower Cal.
J. M. Johnston 1922

Portland, Oregon
M. W. Gorman. 1922

Seeds from Mexico
Bureau of Chemistry Ph. 3586
" " " " " "

Fort Denison, east of Cuscutin, Ohio.
Edgar T. Wherry Sept. 10, 1922

East of Cuscutin
E. T. Wherry Sept. 10.

Brazil, Sao Paulo,
A. N. Rose 1915

Guaymas,
C. R. Orcutt 1922: 940

" " 1922: 941
Santa Islands, California / South Shore near Seal
Ezra C. Knopf No. 1 [Rocks]

22. 283 *Rhipsalis merckii* Berger. (typical) 2
22. 284 *Rhipsalis oblonga* Lfg. (Dead ^{Nov.} '22) 2
22. 285 *Rhipsalis leucorhaphis* 2
22. 286 *Borzicactus acanthurus* (Vaupelet) B+R 2
22. 287 *Trichocereus peruvianus* B+R. 2
22. 288 (Dead ^{Nov.} 1922) 2
22. 289 *Piperomia* 2
22. 290 *Piperomia* 2
22. 291 *Opuntia pascoensis* B+R. 3
22. 292 (Dead Oct 1922) 2
22. 293 *Espeyia lanata* (HBK.) B+R. 2
22. 294 *Opuntia* 4
22. 295 (Dead ^{Nov.} 1922) 4
22. 296 *Mammillaria* 3
22. 297 *Opuntia* 1
22. 298 *Leuococcus thurberii* (Engel) B+R.

- Germany, Stutt Gart.
A. Berger.
- Germany, Stutt Gart.
A. Berger. (Col. by Prof. Goebel in S America)
- "
" (Pampas, ~~Rainforest~~ Port. Gard.)
- Peru Field Museum Expedition.
2392
- " # 2391
- " # 2386
- " # 2378
- " # 2390
- " # 2392²
- " # 2397
- " # 2364
- " # 2365
- no #.
- Mexico; Mazatlan
J. G. Ortega # 4590
- " " no #
- " " # 4587

22.315 *Rhipsalis* 2
 22.316 *Rhipsalis pulvinigera* 2
 22.317 *Rhipsalis new-aroni* 2
 22.318 *Rhipsalis burchellii* Rose 2
 22.319 *Rhipsalis paradoxa* 2
 22.320 *Rhipsalis pulvinigera* 2
 22.321 *Rhipsalis megalantha* 2
 22.322 *Rhipsalis pulvinigera* 2
 22.323 *Rhipsalis pulvinigera* 2
 22.324 *Cynpantha sulcata* (fruit) 1
 22.325 *Opuntia macrohiza* 1
 22.326 *Mammillaria occidentalis* 4
 22.327 *Mammillaria texensis* 3
 22.328 *Mammillaria echinops* 1
 22.329 *Mammillaria meiacantha* 1
 22.330 *Opuntia lindheimeri* 3

Brazil; Jardim Botânico Rio de Janeiro.
P. Campos Patro # 67

" " # 68
 " " # 12
 " " # 54
 " " # 21
 " " # 38
 " " # 13
 " " # 6
 " " # 5

Texas; Polytechnic
A. Ruth.

Oct. 19, 1922

Mexico; Manzanillo

S.E. Aguirre (American Vice Consul in charge)

June 6, 1922

Texas; Langtry alt 1500ft
Geo. L. Fisher #313.

July 18, 1922

" #311

New Mexico; Arroyo

J.H. Ferris # 269

Texas; Uvalde

John C. Hamlin

Oct. 20, 1922

- 22-331 *Mammillaria* 6
- 22-332 *Mammillaria sumigleyi* nsp. 3
- 22-333 *Echinocereus scopularum* Br & R. 3
- 22-334 *Mammillaria* 3
- 22-335 *Lobelia cordata* Hemm Br & R. 1
- 22-336 *Echinocereus* 1
- 22-337 *Opuntia santa-rita* 2
- 22-338 *Opuntia delicata* Rose 1
- 22-339 *Echeveria runyonii* Rose type 1
- 22-340 *Anthericum* 5
- 22-341 *Asclepias* = *Podostemone hutchinsonii* Green 1
- 22-342 *Rhipsalis* (Died ^{Nov} 1922) 1
- 22-343 *Opuntia lasitricas* 1
- 22-344 *Hyloteleium polyrhizus* Br & R. 2
- 22-345 *Rhipsalis corymbosa* baccifera 3
- 22-346 *Walterocereus panamensis* Br & R. 2

- Mexico, Minas Piretas, Sonora Sept 20, 1922
Orcutt 1922: 1248
- " , Guaymas, Sonora
" 1922: 941
- "
" 1922: 940
- " Magdalena, Sonora
" 1922: 1273
- Peru, Cuzco. Alt. 3200-3600 m.
Fortunate L Herrera # 7
- Arizona, Nogales Oct 12, 1922
Orcutt # 1922: 1382
- " " 2-3 ft high
" # 1922: 1383
- " " # 1922: 1384
- Texas, Brownsville. Oct 23, 1922
Robert Runyon
- " "
- " "
- Peru, near Cuzco.
F. L. Herrera
Gift to Mr. Faile
- Panama
E. P. Killip % P. W. Powell
- "
- "
- "

- 22-347 *Epiphyllum* (Dead ¹⁹²²) 2
- 22-348 *Opuntia pascoensis* Br. + R. 2
- 22-349 *Pedilanthus* 1
- 22-350 *Rhipsalis* ^{alpestris} *rosea* (Lag.) B + R 2
- 22-351 *Echinocereus fendleri* 1
- 22-352 *Acanthocereus* 1
- 22-353 *Opuntia nigricans* 3
- 22-354 *Hyllocereus* 3
- 22-355 *Opuntia bella* 2+4
- 22-356 *Opuntia* 1
- 22-357 *Cactus obtusipetalus* 2
- 22-358 *Lemaireocereus humilis* Br + R. 1
- 22-359 *Aphelocereus columbianus* Br + R. 4
- 22-360 *Mammillaria muehlenfordii* 1
- 22-361 *Echinocereus rosii* 1
- 22-362 *Mammillaria grahamei* 1

- Panama
E.P. Killip & R.W. Powell.
- Peru, Huancayo.
Field Museum Expedition # 2450.
- Mexico, Nogales.
Mr. Coyle.
- Germany.
Berlin Bot. Gard.
- Arizona, Nogales.
Orcutt 1922-1929.
- Panama, Bella Vista, Port of Panama Oct. 16, 1922
E.P. Killip # 12015
- " " # 12049
- " " # 12030
- Colombia, Espinal, Dept. del Valle.
Killip + Hayden # 11107 Sept. 7, 1922
- " " El Zorzal " Aug. 31, 1922
- " Pennell, Killip + Hayden # 8386
- " Espinal, Dept. del Valle.
Killip + Hayden # 11108 Sept. 7, 1922
- " " # 11104
- " " # 11107
- New Mexico, Fort Huachuca, S. end. of Sacramento Mts. at 5000 ft.
Jas. H. Ferriess # 280 Oct. 26, 1922
- " " # 281 alt 2000 ft.
- " " # 272

- 22-363 *Echinocereus standleyi* 1
- 22-364 *Sabal texana* (Frut) 1
- 22-365 *Senecioium griseum* (Lud) 1
- 22-366 *Mammillaria sulcata* 4
- 22-367 *Mammillaria karwinskiana* Mart. 5
- 22-368 *Mammillaria pseudo-perbella* Quill. 6
- 22-369 *Mammillaria pyrrocephala* Scheider 2
- 22-370 *Mammillaria retusa* 4
- 22-371 *Ferocactus laticarpus* (Haw) B.S.P. 1
- 22-372 *Hassencarrus blockmannii* ^{Kessleri Darden} 1
- 22-373 *Lobelia corbula* (Wern.) B.S.P. 1
- 22-374 *Opuntia tunicata* DC 2
- 22-375 *Echinocereus* 2
- 22-376 *Erdesia squarrosa* (Vahl) B.S.P. 3
- 22-377 *Mammillaria recurvata* 2+1
- 22-378 *Mammillaria* 1

- New Mexico, S. end of Sacramento Mts at road.
 Jas. H. Ferris #283 Oct 26, 1922
- Texas, Brownsville
 Robert Runyon
- Columbia
 Pennell.
- Texas, Polytichini
 A. Ruck Nov. 8, 1922
- Mexico, Oaxaca de Juarez
 C. Conzatti #10 Nov. 3, 1922
- " " #11
- " " #12
- " " #13
- " " #14
- California, near Los Angeles
 A. Davidson Nov 14, 1922
- Penn., near Cuzco.
 Fortunato L. Herrera
- " " #8
- " Prov. de Paruro. #10
- " " #11
- Arizona, Nogales.
 Orcutt #1922:1391.
- Mexico, Jalisco 1600 m.
 Reko #4390 Sept 5, 1922

22.379	<i>Mammillaria</i>	1
22.380	<i>Mammillaria</i>	2
22.381	<i>Opuntia</i>	1
22.382	<i>Mammillaria</i>	1
22.383	<i>Opuntia imbricata</i>	1
22.384	<i>Opuntia</i>	1
22.385	<i>Opuntia</i>	1
22.386	<i>Opuntia</i>	1
22.387	<i>Opuntia</i>	1
22.388	<i>Mammillaria jaliscana</i>	2
22.389	<i>Gleditsia triacanth</i> seed	1
22.390	<i>Hylocereus</i>	1
22.391	<i>Opuntia</i>	1
22.392	<i>Opuntia exaltata</i> Berg. 392a Second sending	1
22.393	<i>Echinocereus rigidissimus</i>	3
22.394	<i>Echinocereus fendleri</i>	1

Mexico: Colima	Sept. 5, 1922
" Peko # 4391	
" Jalisco # 4392	Oct. 9,
" " # 4395	Oct. 8,
" Zacateca City	Oct.
" " % Groichner # 4401	
" " # 4403	
" " # 4404	
" " # 4405	
" " # 4407	
" " # 4408	
" " # 4410	Nov 2, 1922
D.C., 14th St.	Nov 25, 1922
Dr. Prose	
California, Chico	Nov 20, 1922
SPIS 1763 Foreign Seed & Plant Introduction,	
Peru, Prov. de Puno, 3400 m.	Nov 20, 1922
Fortunato & Herrera #12	
" , Prov de Puno, 3450 m.	
" " # 13	
Arizona, Nogales	
" Orocoti	
" " # 1922: 1389	

22.411	<i>Mammillaria similis</i>		3
22.412	<i>Mammillaria sulcata</i>		2
22.413	<i>Rhipsalis heuserae</i>		2
22.414	<i>Erdia</i>		2
22.415	<i>Mammillaria</i>		1
22.416	<i>Mammillaria</i>	(one dead)	2
22.417	<i>Mammillaria</i>		2
22.418	<i>Coussipantha</i>		1
22.419	<i>Mammillaria</i>		1
22.420			1
22.421	<i>Mammillaria solisii</i> Rose,		1
22.422	<i>Mammillaria</i>		1
22.423	<i>Coussipantha</i>	Dead 2/3/22	1
22.424	<i>Opuntia</i>		1
22.425	<i>Mammillaria</i>		1

Texas, Gulf Coast. Sept 1, 1922.

B. C. Thayer.

, Edwards Pleistocene near Austin

"

Peru, Prov. de la Convencion alt 1000-1500 m.

Fortunato L. Herrera #16

Oct. 17, 1922.

Peru, Prov. de W. Utcubamba 2000 m.

#14

Oct 16, 1922

Mexico, Buenavista, ^{de Cuellar} Guerrero

Prof. Nuñez & Solis #1

Mexico, Caborca, Sonora.

Prof. Gallegos & Solis #3

Mexico, Mazatlan.

Agente del Gobierno & Solis #7

Mexico, Guerrero

Nuñez. Solis #8.

Mexico, Guerrero

#9

"

#11

"

#12

"

#2

"

#5?

Mexico?

#1300

Guadalupe, El Risco.

Herrera, G. Solis #10

1923

- 23.1 *Dudleya rusbyi* (3)
- 23.2 *Mammillaria tetraancistra* (1)
- 23.3 *Mammillaria milleri* nsp. (1)
- 23.4 *Mammillaria milleri* nsp. (1)
- 23.5 *Rhipsalis* (1)
- 23.6 *Mammillaria leona* (1)
- 23.7 *Cereus* (2) *Dead 2/13/23*
- 23.8 *Cereus* (4)
- 23.9 *Opuntia brasiliensis* Willd. (2)
- 23.10 *Opuntia* (2)
- 23.11 *Opuntia echinocarpa* (4)
- 23.12 *Opuntia monteroidensis* (2)
- 23.13 *Opuntia monteroidensis* (2)
- 23.14 *Agave vilmoreniana* Berger (1)
- 23.15 *Echinocactus* (1)
- 23.16 *Hyloterium* (1)

- Arizona; Sabino Canyon, Santa Catalina Mts.
Edwin B. Bartram.
- Arizona; Yucca.
Mrs Bly. #1
- " " #2
- " " #3
- Brazil, Rio de J.
Campos Pato. #1179
- Texas, Alpine = Terlingua road.
Mas H Ferris.
- Peru Oct 27, 1922
F.L. Herrera #19
- " , Por de la Convencion.
" #20
- " " #21
- " , Por de Guispicanchi
" #23
- Arizona, Nogales.
C.R. Orcutt 1923:2
- Uruguay, beach at Pocitos. Oct 17, 1922
Hugh Smith.
- " , Lobos Id.
"
- Mexico, Guadalupe, 15 m alt.
Rebo # 4595
- Mexico, Toluca
Rebo # 4478
- Mexico, Tehuacan
Rebo # 4591

- | | | | |
|-------|--|-----|--|
| 23.17 | <i>Hyloteleium</i> | (1) | Mexico; Tehuacan
Rebo # 4592 |
| 23.18 | <i>Selenicereus</i> | (1) | Mexico, Tamacum
Rebo # 4593 |
| 23.19 | <i>Mammillaria</i> | (1) | Mexico, Tonala, Chiapas
Rebo # 4596 |
| 23.20 | <i>Aporocactus</i> | (1) | Mexico, "
" # 4597 |
| 23.21 | <i>Nyctocereus oaxacensis</i> | (1) | Mexico, "
" # 4598 |
| 23.22 | <i>Mammillaria occidentalis</i> | | Mexico, Manzanillo.
Consular Service (American) S.E. Aguirre. |
| 23.23 | <i>Bryophyllum pruinatum</i>
(seed) | (1) | Peru.
MacBride # 2420 1922 |
| 23.24 | <i>Selenicereus donbelazarii</i> (Salm-Dyck) | " | Yucatan, Merida
S.G. Morley 2/25/20 |
| 23.25 | <i>Ariocarpus lloydii</i> Rose | (2) | Mexico, San Pedro, Coah.
A.F. Moeller |
| 23.26 | <i>Astrophytum myriostigma</i> Lam. | (1) | " |
| 23.27 | <i>Senophyllum guttatum</i> Rose | (2) | Mexico, Chico Mountain; near Monterrey.
Robert Penyon 3/16/20 |
| 23.28 | <i>Sedum palmeri</i> | (2) | " |
| 23.29 | <i>Sedum diffusum</i> | (2) | " |
| 23.30 | <i>Echeveria dimulans</i> Rose | (1) | " , Santa Catarina mts. |
| 23.31 | <i>Selenicereus spinulosus</i> (We) Brit R. | (1) | " |
| 23.32 | <i>Mammillaria ruyonii</i> Brit R. | (1) | " |

- | | | | | |
|-------|---|-----|---------------------------------------|--------|
| 23.33 | <i>Ferocactus cylindraceus</i> | (1) | California, Whitewater, Riverside Co. | |
| | | | Greutt. | |
| 23.34 | <i>Ferocactus lecontei</i> | (1) | Arizona, Phoenix | |
| 23.35 | <i>Lupinus</i> | (2) | Peru | 1922 |
| | | | Machide and Treatterstone # 1300 | |
| 23.36 | <i>Lupinus</i> | (2) | Peru, cultivated at Huancayo | |
| | | | " | |
| 23.37 | <i>Echinomastus dusycanthus</i> | (3) | Texas, El Paso | |
| | | | EM. Slater | |
| 23.38 | <i>Opuntia schottii</i> | (1) | " | |
| | | | " | |
| 23.39 | <i>Echinocactus horizontalis</i> | (1) | " | |
| | | | " | |
| 23.40 | <i>Cactus hodwayi</i> B+R. | (1) | Columbia , Tolago | |
| | | | M. Chizzola | |
| 23.41 | <i>Opuntia pascoensis</i> B+R | (3) | Peru, Chosica | 3/1/23 |
| | | | J.F. Machide # 2850 | |
| 23.42 | <i>Opuntia sphaerica</i> Forst | (5) | " | |
| | | | " # 2849 | |
| 23.43 | <i>Binghamia acrantha</i> B+R. | (5) | " | |
| | | | " # 2848 | |
| 23.44 | <i>Cactus townsendii</i> B+R. | (1) | " | |
| | | | " # 2852 | |
| 23.45 | <i>Espositoa lanata</i> B+R. | (1) | " | |
| | | | " # A | |
| 23.46 | <i>Binghamia melanostele</i> B+R. | (5) | " | |
| | | | " # 2851 | |
| 23.47 | <i>Lemaireocereus laetus</i> B+R | (1) | " | |
| | | | " # 2854 | |
| 23.48 | <i>Dudleya = Graptopetalum bartramii</i> n. sp. | (1) | Arizona, Patagonia Mts. | |
| | | (1) | E.B. Bartram | |

- 23.49 *Selaginella bigelovii*
- 23.50 *Mammillaria similis* (1)
- 23.51 *Opuntia stenochela* Engelm. (2)
- 23.52 *Astrophytum capricorne* (1)
- 23.53 *Thelocactus bicolor* (4)
- 23.54 *Echinocactus horizontalis* (3)
- 23.55 *Mammillaria pottii* (3)
- 23.56 *Echinocereus reichenbachii* (2)
- 23.57 *Coryphantha* (3)
- 23.58 *Epithelantha micromeris* (2)
- 23.59 *Mammillaria denuda* (4)
- 23.60 *Echinocereus* (2)
- 23.61 *Ferocactus lamatacanthus* (2)
- 23.62 *Mammillaria* (3)
- 23.63 *Mammillaria* (1)
- 23.64 *Mammillaria meiacantha* (1)

Ojai, Calif.

Caroline C. Hayden

Mar, 1923

Texas, Austin

University of Texas Bot. Dept.

Arizona, Kermelle Bluffs 20 mi n. of Casa

Apr 3, 1923

E. A. Goldman

Mexico, S. Pedro, Coch.

A. F. Moeller #1

#2

#3

#4

#5

#6

#7

#8

#9

#10

#11

#12

#13

- | | | | | |
|-------|----------------------------------|-----|--------------------------------------|--------------|
| 23.65 | <i>Ferocactus</i> | (1) | Mexico, S. Pedro Ch. | |
| | | | A. F. Moeller | # 14 |
| 23.66 | <i>Neolloydia conoidea</i> | (1) | | # 15 |
| 23.67 | <i>Opuntia compressa</i> | (1) | Connecticut, New Haven (West Rock) | |
| | | | Edgar T. Wherry | |
| 23.68 | <i>Opuntia</i> | (1) | Milford, Ct. | |
| 23.69 | <i>Allium pseudobulbiferum</i> | (1) | California, Palmdale, Mohave Desert. | Apr. 1, 1923 |
| | | | A Davidson 3569 | |
| 23.70 | | (1) | El Paso, Texas | |
| | | | Elsie McElroy Slader | # 2 |
| 23.71 | <i>Echinocereus viridiflorus</i> | (1) | " | # 3 |
| 23.72 | <i>Echinocereus viridiflorus</i> | (1) | " | # 4 |
| 23.73 | <i>Echinocereus chloranthus</i> | (1) | " | # 5 |
| 23.74 | <i>Echinocereus viridiflorus</i> | (1) | " | # 6 |
| 23.75 | <i>Echinocereus chloranthus</i> | (1) | " | # 7 |
| 23.76 | <i>Coryphantha neomexicana</i> | (1) | " | # 8 |
| 23.77 | <i>Opuntia truncata machadei</i> | (3) | Penn. | |
| | | | Machade | # 3250 |
| 23.78 | <i>Opuntia truncata</i> n.s. | (2) | " | # 3250 |
| 23.79 | <i>Echeveria</i> | (2) | " | |
| 23.80 | <i>Mammillaria</i> | (1) | Mexico, San Pedro, Coahuila | |
| | | | Arthur F. Moeller. | # 1. |

- 23.81 *Opuntia tunicata* Lind. & Otto (1)
 23.82 *Opuntia tunicata* Lind. & Otto (form) (1)
 23.83 *Echinocereus pectinatus* Engelm. (1)
 23.84 *Coryphantha radicans* (DC) (1)
 23.85 *Coryphantha radicans* (DC) (1)
 23.86 *Echinocereus pectinatus* Engelm. (1)
 23.87 *Dudleya* (1)
 23.88 *Cereus trigonodendron* Sch. Sent to NY (1)
 23.89 *Opuntia brasiliensis* Willd. (1)
 23.90 *Mammillaria macDougalii* Sent to NY (1)
 23.91 *Opuntia virens* (1)
 23.92 *Echeveria whitei* n.sp. (3)
 23.93 *Ferocactus lecontei* (1)
 23.94 *Echinocereus fendleri* (2)
 23.95 *Mammillaria sheldonii* (4)
 23.96 *Agave shottii* (5)

- Mexico, San Pedro, Coahuila
 Arthur F. Moellu # 2
 " # 3
 " # 4
 " # 5
 " # 6
 " # 7
 Arizona
 J. J. Thorne ^{valle de San 800-1500} ^{May 11, 1923.}
 Peru, Prov. de la Convencion, ^{valle de Santa Ana y Colca}
 F. L. Herrera
 " "
 " "
 Arizona, Catalina Mts. alt 4000 ft.
 D.T. MacDougal (Tucson Arizona)
 Kew 1902
 NYBG # 15614
 Bolivia (Mullford Exped)
 Orland E White
 Mexico, Sonora
 D.T. MacDougal
 " "
 " "
 " "

23-97 Agave

(1)

Mexico, Sonora

D.T. MacDougal

23-98 Conypantha

(1)

California?

E.C. Roast, 209 N. Stoneman St. Alhambra Calif.

23-99

(1)

Pure

Macbride with # 810 (1923)

23-100 Opuntia humifusa (Seed)

(3)

Kentucky, Cliffs of Kentucky River, Camp Nelson

E.T. Wherry

23-101 Selaginella lepidophylla

(2)

Texas, El Paso

Mrs S.L. Pattison

23-102 Opuntia

(1)

N. Carolina, near Wilmington

D.W. Gross thru J.R. Small

23-103 Rhipsalis heteroclada

(1)

Brazil, Ilha Grande

43053 [Proc 20.371]

June

23-104 Rhipsalis penduliflora

(1)

"

43050 [Proc 20.250]

23-105 Cissus rhombifolia

(1)

Panama, Balboa heights C.Z.

W.R. Mason 6761

June 5, 1923

23-106 Epiphyllum strictum

(4)

"

6706

23-107 Epiphyllum phyllanthus

(2)

"

6707

23-108 Hylocereus monacantha

(2)

"

6705

23-109 Pereskia conzattii B. & R. (Seed)

(1)

Mexico, San Quiriquo, Oaxaca

Ch. Purpus

May 1923

23-110 Mammillaria pottsii

(1)

Texas, 80 mi so of Marfa

S.L. Pattison (Camptillo, Box 78) #1

June 1923

23-111 Echinocereus dasyacanthus

(1)

"

2

23-112 Echinocereus

(1)

"

3

23. 113 *Acanthocereus floridanus* n. sp. (2)
23. 114 *Selenicereus spinulosus* (2)
23. 115 *Epiphyllum* (1)
23. 116 *Epiphyllum oxypetalum* (2)
(cult.)
23. 117 *Epiphyllum oxypetalum* (1)
(cult.)
23. 118 *Epiphyllum* (1)
cult.
23. 119 *Epiphyllum* (1)
cult.
23. 120 *Selenicereus* (2)
(cult.)
23. 121 *Rhipsalis coccinea* (1)
(cult.)
23. 122 *Acanthocereus pentagonus* (2)
23. 123 *Hypocistis* (2)
23. 124 *Stylophyllum edule* (Nutt) B+R (2)
23. 125 *Dudleya delicata* Rose. (2)
23. 126 *Epiphyllum adelinae* n. sp. (2)
Died. July 1924. Refer to W.R.M.'s letter June 12, 1922, Balboa, C.Z.
23. 127 *Dudleya* (1)
23. 128 *Cactus oaxacensis* B+R n. sp. (1)

- Florida
- Mexico (nocturn?) Y/R Small June 15, 1922
- Dr. Miles Medical Co., H. B. Gampher. June 6, 1923
- Ill. (cult.)
- Mrs. Paul Brundige (Geneva R #1) June 13, 1923
- Panama, Balboa C.Z. W.R. Maxon. # 6768.
- # 6836
- # 6833
- # 6835
- # 6834
- # 6925
- Panama, One mile E. of Panama City June 12, 1923
W.R. Maxon # 6967
(with 6962)
- # 6968
- California, SW corner of Riverside Co. June 19, 1923.
P. A. Murray 7130 (Pomona College, Claremont, Cal.)
- # 7131
- Panama, Balboa cult. in garden of C.W. Powell. from (Juan Diaz region)
W.R. Maxon. # 7079.
- California, Fish Canyon, San Gabriel Mts. June 25, 1923.
A. Davidson 5578.
- Mexico, Zacapan, Vera Cruz. June 16, 1923.
C. A. Purpus.

- 23.129 *Peuskia conyati* B+R (3)
oaxacana
- 23.130 *Nyctocereus guatemalensis* B+B (3)
- 23.131 *Cephalocereus collinsii* B+R n. sp. (4)
- 23.132 *Neomamillaria collinsii* B+R n. sp. (3)
- 23.133 *Acanthocereus pentagonus* (L) B+R (1)
- 23.134 *Opuntia* (1)
- 23.135 *Coryphantha mexicana* (3)
- 23.136 *Passiflora ~~securiana~~ vitifolia*
- 23.137 " *trisetosa*
~~triflora~~ Lam.
- 23.138 *Cucurbitaceae?* ^{dead det. by} _{Sept 25/1924}
- 23.139 *Sedum ~~altissimum~~ oregonum* (nut) var. (1)
- 23.140 *Cephalocereus ~~trisetosa~~ collinsii* (1)
(seed)
- 23.141 *Leptocereus leoni* B+R (1)
(seed)
- 23.142 *Miconia* Bromeliad. (1)
- 23.143 *Coryphantha comrens* B+R. (1)

San Jeronimo, Oaxaca
Mexico, ~~Veracruz~~ Zacapan, ~~Huasteca~~ Yuc. 16/1923.
C.A. Purpus.

6(?)

5

6

7

8

California, Alhambra
E.C. Rost.

June 25 1923

Japia River, Pinarua (No herb. spec. made by W.P.M.)
W.P.M. Mayon 6683 6/1/23

Zacapan, Ver. Mex.
C.A. Purpus (# 4)

Veracruz

Rancho Tadero (sent by Purpus) 5/23/23

B.C., Agassiz

J.C.V. Piper thru C.F. Newcombe 7/9/23

Mexico, Tehamtlpec

C.A. Purpus 1923

Cuba, Top of Loma de Somonostro Yamara (Hanna)

Leon + Roig. # 11446. 6/2/23

Mexico, Barranca, ^{near} ~~Yuc.~~ ^{Quadela} 1923 m.

Rebo #4712

Mexico, ?

May 1923

Goeschmer # 4705 (Rebo)

- 23-144 *Mammillaria magnimamma* (1)
- 23-145 *Mammillaria auriceps* (1)
- 23-146 *Mammillaria scrupeana* B+R (1)
- 23-147 *Mammillaria jaliscana* B+R (1)
- 23-158 *Trochocactus echinocentrus* (1)
- 23-159 *Lemaireocereus tricolorii* (1)
- 23-160 *Mylocereus serpentinus* (1)
- 23-161 *Deamia testudo* B+R (1)
- 23-162 *Selenicereus* (1)
- 23-163 *Aporocactus* (1)
- 23-164 *Acanthocereus* (1)
- 23-165 *Hylocereus undatus* (1)
- 23-166 *Hylocereus purpusii* (1)
"Pitajaya"
- 23-167 *Acanthocereus* (1)
- 23-168 *Cactus oaxacensis* (1)
- 23-169 *Mammillaria esseriana* Böt spng (1)

Numbers missing in gtt books

- Mex 23-148
- Mex 23-149
- Mex 23-150
- Mex 23-151
- Mex 23-152
- Mex 23-153 *Pachycereus gaudieri*
- Mex 23-154
- Mex 23-155
- Mex 23-156
- Mex 23-157
- Mex ~~23-158~~
- Mex 23-159
- Mex 23-160
- Mex 23-161
- Mex 23-162
- Mex 23-163
- Mex 23-164
- Mex 23-165
- Mex 23-166
- Mex 23-167
- Mex 23-168
- Germany, (Central America) Lohm am Rhein
Boedeker

23-144 Mammillaria magnimamma (1)

23-145 Mammillaria auriceps (1)

23-146 Mammillaria scrypsiana B+R (1)

23-147 Mammillaria jaliscana B+R (1)

23-158 Ferocactus echinocerus (1)

23-159 Lemniscocerus treleri (1)

23-160 Nyctocereus serpentinus (1)

23-161 Deamia testudo B+R (1)

23-162 Selenicereus (1)

23-163 Apocactus (1)

23-164 Acanthocereus (1)

23-165 Hylocereus undatus (1)

23-166 Hylocereus purpusii (1)

23-167 Acanthocereus "Pitajaya" (1)

23-168 Cardus ouzacensis (1)

23-169 Mammillaria esseriana Böd sp. (1)

Mexico; Valle de Mexico May 1923

Groschner # 4699 (Rebo)

?

Groschner # 4704 (Rebo)

Mexico; Barranca ^{Hawa} Jal.

Rebo # 4707

Mexico; Barranca Hawa, Guadalupe

Rebo # 4707

Mexico? local

Groschner # 4706 (Rebo)

Mexico; Guitla Oax.

Rebo 4716

Mexico, Jalisco (cult)

Rebo 4700

Mexico, Loma Bonito, Oax.

Rebo 4697

Mexico, Sta. Lucrecia Ver.

Rebo 4696

Mexico, Sta. Lucrecia Ver.

Rebo 4711

Mexico, Tuxtpec, Oax.

Rebo 4701

Mexico, Cuernavaca? Moul?

Rebo 4715

Mexico, Zapala Jal.

Rebo 4702

Mexico, Tuxtpec, Oax.

Rebo 4714

Mexico, Tehamlypec

Rebo

Germany, (Central America) Lohr am Rhein

Boedeker

- | | | | | |
|--------|---------------------------------------|-----|---|---------------|
| 23-170 | <i>Mammillaria gracilis</i> Fyfe | (1) | Germany, Coln on Rhein
Boedeker | |
| 23-171 | <i>Mammillaria multichamata</i> Böd | (1) | " | |
| 23-172 | <i>Mammillaria gracilis robustior</i> | (1) | " | |
| 23-173 | <i>Mammillaria subtilis</i> Böd spec. | (1) | " (Mexico) | |
| 23-174 | <i>Mammillaria sphaerica</i> Dietl. | (1) | " | |
| 23-175 | <i>Echinocactus foossensianus</i> Böd | (1) | " | |
| 23-176 | <i>Oudleya rusbyi</i> | (1) | Arizona
Mrs. Mary Wight. % Geo William Barrett
July 13, | |
| 23-177 | <i>Lemaireocereus</i> | (2) | Texas, near Brownsville
Robert Runyon. | |
| 23-178 | <i>Opuntia</i> | (1) | Georgia, Y. Puff Id.
W.R. Mc. Atie. | June 23, 1923 |
| 23-179 | <i>Opuntia</i> | (1) | " | |
| 23-180 | <i>Opuntia</i> | (1) | " , Patton Hancock | June 24, 1923 |
| 23-181 | <i>Jatropha</i> | (2) | Mexico, 50 mi w. of Matamoros
Robert Runyon | July 14, 1923 |
| 23-182 | <i>Opuntia polycantha</i> Hand. | (1) | Wyoming, near Thermopolis
Dana Lee #1. | July 14, 1923 |
| 23-183 | <i>Olea vera</i> L. | (1) | Guatemala City
J.G. Salas | |
| 23-184 | <i>Ormosia</i> | (1) | " | |
| 23-185 | <i>Rhipsalis maxonii</i> | (3) | Nicaragua, Mombacho volcano.
W.R. Maxon 7255 | |

- | | | | | |
|---------|--------------------------------|-----|--------------------------------------|---------------|
| 23-186 | <i>Opuntia polyacantha</i> | (1) | Montana, Warren, Rocky Soil | July 29, 1923 |
| | | | Dana Lee #2 | |
| 23-187 | <i>Epiphyllum</i> | (1) | Costa Rica | |
| | | | W R Maxon 8278 | |
| 23-188 | <i>Lemaireocereus aragonii</i> | (1) | " | |
| | | | " 7858 | |
| 23-188a | " " (seed) | (1) | " | |
| | | | " 7858 #4 | |
| 23-189 | <i>Hyloteleium</i> | (1) | Nicaragua | |
| | | | " 7168 | |
| 23-190 | " | (2) | " | |
| | | | " 7199 | |
| 23-191 | <i>Opuntia polyacantha</i> | (2) | Montana Sandy soil near Billings. | Aug 1, 1923 |
| | | | Dana Lee #3. | |
| 23-192 | <i>Pediocactus simpsonii</i> | (1) | Utah, Salina | |
| | | | C. D. Marsh. | |
| 23-193 | <i>Opuntia polyacantha</i> | (2) | Montana, Roundup (Rocky Soil) | Aug 5, 1923. |
| | | | Dana Lee #4 | |
| 23-194 | <i>Opuntia polyacantha</i> | (1) | " 10 mi n. of Roundup, Devil's Basin | Aug 7, 1923 |
| | | | " #5 | |
| 23-195 | <i>Coryphantha virgata</i> | (2) | " | |
| | | | " #5a | |
| 23-196 | <i>Opuntia polyacantha</i> | (1) | " Gardiner | Aug 10, 1923 |
| | | | " #6 | |
| 23-197 | <i>Opuntia</i> | (2) | Utah: Burkes | |
| | | | Marsens E Jones #1 | June 29, 1923 |
| 23-198 | <i>Opuntia</i> | (2) | " Equi Canyon | |
| | | | " #2 | |
| 23-199 | <i>Pediocactus simpsonii</i> | (2) | " | |
| | | | " #4 | |
| 23-200 | <i>Opuntia</i> | (2) | " | |
| | | | " #3 | |

23-201	<i>Opuntia polyacantha</i>	(3)	Wyoming, Circle (Rocky soil)	Dana Lee # 7	Aug 13, 1923
23-202	<i>Sedum = Gormannia origana</i> Britton	(2)	B. Columbia, Victoria	C.F. Newcombe	Aug 14, 1923
23-203	<i>Lemaireocereus eburneus</i>	(1)	N. Mexico	A.V. Fricc	Aug 8, 1923
23-204	<i>Cephalocereus palmeri</i> B+R.	(1)	"	"	"
23-205	<i>Anastrocactus megarhiza</i>	(5)	"	"	"
23-205a	" "	(2)	"	"	"
23-206	<i>Echinocereus reichenbachii</i>	(3)	"	"	"
23-207	<i>Astrophytum asterias</i>	(5)	"	"	"
23-208	<i>Neomammillaria hemispherica</i> B+R	(3)	"	"	"
23-209	<i>Echinofossulocactus</i>	(1)	"	"	"
23-210	<i>Echinocereus</i>	(1)	"	"	"
23-211	<i>Rhipsalis coccinea</i> baccifera	(1)	Florida Wallenstein hammock W. of Kendall	C.A. Mosier (W.P.S.)	Aug 5, 1923
23-212	<i>Pediocactus simpsonii</i>	(4)	Wyoming, 15 mi. S. of Laramie	Dana Lee 9	Aug 24, 1923
23-213	<i>Compantha vivifera</i>	(2)	Wyoming, Douglas	Dana Lee 8.	Aug 19, 1923
23-214	<i>Pediocactus simpsonii</i>	(1)	"	" 8a	"
23-215	<i>Ipomoea?</i>	(1)	Dominican Rep.	Dr. W.L. Allott 2404	May 5, 1922

- 23.216 *Cassia grandis* (L.)
 23.217 *Gonnamia oregana*
 23.218 *Sedum divergens*
 23.219 *Mesembryanthemum crystallinum*
 23.220 *Cephalocereus bartochii* n. sp.
 23.221 *Dylosocereus undatus* (Haw.) B. & P.
 23.222 *Opuntia dillenii* Haw.
 23.223 *Manfreda tegula*
 23.224 *Escobaria tuberculata* (Carr. 23-257) +2
 23.225 *Opuntia leptocaulis*
 23.226 "
 23.227 *Echinocactus horizontalis*
 23.228 *Coryphantha macromeris*
 23.229 *Echinocereus dasyacanthus*
 23.230 *Mammillaria arizoniana*

Dominican Republic, San Francisco de Macoris

W. L. Abbott 72207

Agassiz, Lower Fraser river, B.C. 8/9/23

W. B. Anderson

Stuart's Lake, B.C.

Scarborough, Maine

A. H. Norton

9/15/23

San Salvador I., Bahamas

Paul Bartsch.

1921

Georgia; Lookout Mt. above

9/26/23

Meulo.

Carlsbad, N. Mex.

9/29/23

W. S. Lee

Mt. Graham, Ariz. C. B. Owen
 also found at 4700 ft.

23. 231

Lilias or *Amurathid.*

23. 232 *Salvia lindenii* Bth

23. 233 *Verbena elegans*

23. 234 *Sedum moranense*

23. 235 " *diversifolium*

23. 236 " *aristatum*

23. 237 *Echeveria*

23. 238 *Sedum frutescens*

23. 239 *Peperomia umbilicata*

23. 240 *Sedum boeticum* Gaul.

23. 241 *Crassula indica*

23. 242 "

23. 243 *Sedum oxypetalum*

23. 244 " *diversifolium*

23. 245 " "

Eymontiers, Haute-Vienne, France
G. Thomas-Duris

(South Africa)

Lake Tahoe, Calif., Kessler
(Davidson 3580) Sept. '23.

23.246 *Echinocereus reichenbachii*

23.247 *Neolloydia Conypantha schrenkii* →

23.248. *Echinocereus delaceti* Gussone

23.249 (Cactus) (1)

23.250 *Epiphyllum crenatum* (12) ^{Sud}

23.251 *Selenicereus macdonaldii* (1)

23.252 *Selenicereus* (1)

23.253 *Opuntia brasiliensis* (1)

23.254 *Opuntia* (1)

23.255 *Opuntia* (See 23.224)

23.256 *Cheveria whitii*

23.257 *Nomammillaria* (1)

(spines straight)

23.258 *Nomammillaria*

(spines hooked)

23.259 *Conypantha scherii* (large seeds)

23.260 *Conypantha heyeri* (small seeds)

23.261 *Echinocereus* (1)

Uvalde, Texas Oct. '23

J. C. Nauman

San Pedro, Coahuila, Mex.

A. F. Moeller Sept 23

Ecuador, Quito Oct 15, 1923

Chapman % Anthony % Söderström

Ill. Chicago cult. (Flowers red)

Richard Kuschel #1 Oct. 15, 1923

" " #2

" " #3

" " #4

" " #5

" " #5

" " #5

" " #5

New Mexico, Carlsbad.

W.S. Lee

Brooklyn Bot. Gard. Oct. 12, 1923

Mr Free (Det) thru Mr. White.

Mexico

France

" "

" "

" "

" "

" "

Mexico, Queretaro, Tepic. Oct 31, 1925

Rebo # 4813.

23.262 *Nomammillaria occidentalis* B+R (2)

23.263 *Epiphyllum* (Cult.) (1)

23.264 *Cactus oaxacensis* B+R (4)

23.265 *Hyloucus undatus* B+R (1)

23.266 *Selenicereus* (2)

23.267 *Aphelocereus collinsii* B+R (2)

23.268 *Epiphyllum stenopetalum* (2)

23.269 *Acanthocereus pentagonus* (1)

23.270 *Aphelocereus* (4)

23.271 *Hyloucus guatemalensis* ? (3)

23.272 *Rhipsalis tucumanensis* (1)

23.273 *Rhipsalis tucumanensis* ? (1)

23.274 *Opuntia pascoensis* B+R ? (1)

23.275 *Opuntia pascoensis* B+R (1)

23.276 *Opuntia* (1)
grown from seed

23.277 *Nomammillaria mammillaris*.

Mexico - Manzanillo, Col. Oct 31, 1923,
Rebo # 4810.

" San Antonio
Rebo # 4811

Mexico, Monserrata (mountain)
Ca. Pulpes # 15

" " (thru rock)
" " no #.

" " (on rocks)
" # 18

" Oaxaca
" # 22.

" Monserrata (on catenas, damp forest)
" # 21

" " (ravine)
" # 17

" " (ravine)
" # 16

San Salvador (Wild plant)
Sabador Calderon # 1820.

Eastern Peru
Bues # 1332 thru Herrera of Cusco.

" " # 1333

" " # 1331

" " # 1330

Illinois, Chicago
Richard Renschell

Foregenla, Caracas
H.P. Pittier
Oct 22, 1923

- | | | | | |
|--------|--|-----|---|-------------|
| 23.278 | <i>Bryophyllum</i>
Kalanchoe | (1) | Colombia El Colegio, Dept of Cundinamarca | July 1923 |
| 23.279 | <i>Sesuvella lindheimeri</i> | (1) | Texas, Brownville | 1922 |
| 23.280 | <i>Wilcovia</i> | (1) | Mexico, Sonora | |
| 23.281 | <i>Opuntia Kunzei</i> Rose | (1) | D.T. MacDougal & F. Shreve. | Mar 20, 23 |
| 23.282 | <i>Opuntia</i> | (1) | " Pass in hills 10 mi SW of Pozo Viejo (Proconluta semiset) | May 22, 23 |
| 23.283 | <i>Opuntia</i> | (1) | " (char. by poor armature) near San Rafael Rancho | Nov. 22, 23 |
| 23.284 | <i>Echinocereus fendleri</i> | (1) | " (char. by yellow spines) | Nov. 19, 23 |
| 23.285 | <i>Echinocereus scupulorum</i> P. R. R. | (2) | " Prec. Mts. Pozo Arca | |
| 23.286 | <i>Neomammillaria</i> | (1) | " on Limestone near Timaja 17 mi W of Pozo Arca | Nov. 19, 23 |
| 23.287 | <i>Neomammillaria</i> | (1) | " Limestone hills between Altos & Oquitos | Nov. 21, 23 |
| 23.288 | <i>Coryphantha erecta</i> | (1) | " (on tag) | |
| 23.289 | <i>Coryphantha</i> | (1) | Mexico | |
| 23.290 | <i>Coryphantha altamirani</i> Rose | (1) | A.V. Fric. | |
| 23.291 | <i>Coryphantha connexa</i> | (1) | " | |
| 23.292 | <i>Coryphantha salisii</i> n. sp. | (1) | " | |
| 23.293 | <i>Coryphantha radians</i> | (1) | " | |

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|--------|-----------------------------------|-----|--------|------------|
| 23.294 | <i>Coryphantha</i> | (1) | Mexico | |
| 23.295 | <i>Coryphantha</i> | (1) | " | Av. Finis |
| 23.296 | <i>Coryphantha</i> | (1) | " | " |
| 23.297 | <i>Coryphantha</i> | (1) | " | " |
| 23.298 | <i>Coryphantha</i> | (1) | " | " |
| 23.299 | <i>Escobaria</i> | (1) | " | " |
| 23.300 | <i>Escobaria</i> | (1) | " | " |
| 23.301 | <i>Thelocactus bicolor</i> | (1) | " | " |
| 23.302 | <i>Thelocactus potterii</i> | (1) | " | " |
| 23.303 | <i>Thelocactus</i> | (1) | " | " |
| 23.304 | <i>Thelocactus</i> | (1) | " | " |
| 23.305 | <i>Neomammillaria bicapitata</i> | (1) | " | " |
| | Found March 25 1925 | | | 3/20/29 US |
| 23.306 | <i>Strombocactus</i> | (1) | " | " |
| 23.307 | <i>Neolloydia</i> | (1) | " | " |
| 23.308 | <i>Neomammillaria eschmayeri</i> | (1) | " | " |
| 23.309 | <i>Neomammillaria campotricha</i> | (1) | " | " |

- 23-310 *Pelecyphora* (1)
- 23-311 *Telocactus* (1)
- 23-312 *Telocactus* (1)
- 23-313 *Telocactus* (1)
- 23-314 *Ariocarpus furfuraceus* (1)
- 23-315 *Ancistrocactus megarhizus* B&P (1)
- 23-316 *Obregonia* (1)
- 23-317 *Echinocactus* (1)
- 23-318 *Ariocarpus trigonus* (1)
- 23-319 *Echinomastus macdonellii* (1)
- 23-320 *Echinocactus* (1)
(seed)
- 23-321 *Tillandsia* (1)
- 23-322 *Hymenocallis* (2)
- 23-323 *Agave*
- 23-324 *Yucca*
- 23-325 *Agave* (2)

Mexico

at Tuxtepec.

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Florida, Lagoon Head Key

Is., Bartsch

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1924

- 24.1 *Opuntia arenaria* (1)
- 24.2 *Echinocereus dasyacanthus* (2)
- 24.3 *Neomammillaria* (1)
- 24.4 *Solisia* (2)
- 24.5 *Escobaria argentea* (1)
- 24.6 *Lophophora* (1)
- 24.7 *Neomammillaria denuda* (1)
- 24.8 *Astrophytum senilis* (1)
- 24.9 *Escobaria* (1)
- 24.10 *Epithelantha micromeris* (2)
- 24.11 *Escobaria* (1)
- 24.12 *Echinocactus longispinus* (1)
- 24.13 *Echinocactus unguispinus* (1)
- 24.14 *Echinomastus* (1)
- 24.15 *Gymnocladus* (1)

seed

Texas, El Paso (Mexican side)
Clare McCray Slater

Texas, El Paso
Chas. Hammond

Mexico
A. V. Fric

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Texas, El Paso
A. V. Fric (see 21-204)

D.C., Smithsonian grounds
A. V. Fric

Jan. 26, 1924

24-16 *Opuntia acunaria* 2

24-17 *Opuntia acunaria* 2

24-18 *Echinocereus rigidissimus* Rose 2

24-19 *Neotessera missouriensis* (Sweet) BoR 2

24-20 *Neomammillaria meiacantha* 1

24-21 *Echinocereus rigidissimus* Rose 3

24-22 *Opuntia penlandii* Salm Dyck 3

24-23 *Cassia laevigata* Millid
(seed)

24-24 *Echinocereus delacruisii* 2

24-25 *Leuchtenbergia princeps* 1

24-26 *Ferocactus wislizeni* 2
(seed)

24-27 *Opuntia* 2
(seed)

24-28 *Opuntia fulgida* 2
(seed)

24-29 *Neomammillaria meiacantha* 1

24-30 *Echinomastus intertextus* 4

24-31 *Echinocereus chloranthus*

Texas, El Paso Jan 21
T. Hammond

Mexico "

New Mexico Arconias Mt. Grant co.
Susan Patterson

North Dakota, Bad lands, Medora
CR Ball 2151
Collected July 25, 1923
planted Feb 7, 1924

Texas, El Paso Feb 4, 1924
Chas Hammond

Arizona, Santa Rita mts. Feb 11, 1924
Edwin B. Bartram

Bolivia Wynni Jan 1924
A.C. Hitchcock

Porto Rico Feb 1923
M.L. Britton + E.G. Rutter 7256

Mexico (western) San Pedro Feb 18
Arthur F. Moeller

" "

Arizona, Tucson
Edwin B. Bartram

" " Feb 28

" "

Texas, Alpine
Jas H. Feniss. 401 A.

" " 401 B.

" " 401 C.

24-32	<i>Echinocactus</i>	1	Texas, alpine	James H. Ferriss 401 d.	
24-33	<i>Neomammillaria denudata</i>	1	Texas, Sierra Blanca	Vernon Bailey	March 8, 1924
24-34	<i>Escobaria tuberculata</i>	2	"	"	
24-35	<i>Echinocereus dasyacanthus</i>	3	"	"	
24-36	<i>Samuella faxoniana</i>	1	"	"	
24-37	<i>Chamaefristula macquilatera</i> (seed)	1	Guianas,	Gleason.	
24-38	<i>Echinocereus</i> (seed)	1	Texas, alpine	James H. Ferriss 402 a	March 13
24-39	<i>Echinocereus</i>	2	"	"	402 B
24-40	<i>Coryphantha macromeris</i>	1	"	"	402 C.
24-41	<i>Neomammillaria denuda</i>	3	"	"	402 d.
24-42	<i>Escobaria tuberculosa</i>	1	"	"	402 e.
24-43	<i>Echinocereus dasyacantha</i>	3	"	"	402 F.
24-44	<i>Echinocereus dasyacantha</i>	2	"	"	402 g.
24-45	<i>Opuntia leptocaulis</i> DC	1	"	"	402 H.
24-46	<i>Opuntia grahamii</i>	1	"	"	
24-47	<i>Opuntia</i>	1	"	"	

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|-------|--|-----|------------------|-----------------------------|
| 24.64 | | (1) | Texas. | |
| 24.65 | <i>Escobaria</i> (Gunn) | (2) | " | J.A. Ferriss |
| 24.66 | <i>Epithelantha micromeris</i> | (3) | " | 406 |
| 24.67 | <i>Mormammillaria denudata</i> | (2) | " | 407 a |
| 24.68 | <i>Escobaria tuberculata</i> | (2) | " | with 407 a |
| 24.69 | <i>Echinocereus dasyacanthus</i> | (4) | " | 407 b. |
| 24.70 | <i>Coussipantha mexicana</i> Engelm B+R. | (1) | " | 407 d. |
| 24.71 | <i>Coussipantha macromeris</i> | (3) | " | 407 F |
| 24.72 | <i>Echinocereus dasyacanthus</i> | (6) | " | with 407 F. |
| 24.73 | <i>Echinocereus lloydii</i> | (2) | " | 407 g. |
| 24.74 | <i>Coussipantha echinins</i> (Engelm) B+R. | (1) | " | 407 H |
| 24.75 | <i>Coussipantha pectinata</i> B+R. | (5) | " | 406 C |
| 24.76 | <i>Dudleya collinsiae</i> | (1) | Arizona, Payson | with 406 C. |
| 24.77 | <i>Grewia bradleyana</i> (Coulter) B+R. | (1) | Mexico, S. Pedro | ms. W.B. Collins. March 14. |
| 24.78 | <i>Echinocereus</i> | (1) | " | A.F. Moeller #1 |
| 24.79 | <i>Mormammillaria moelleriana</i> | | " | Durango #2 |
| | Same as 25.145 | | " | (Durango?) #3 |

- 24-80 *Echinofossulocactus multicostatus* (1)
- 24-81 *Thelocactus* ~~head~~ ³⁻²⁷⁻ (1)
- 24-82 *Echinocactus horizontalis* (1)
- 24-83 *Neomammillaria candida* (1)
- 24-84 *Neomammillaria lenta* (1)
- 24-85 *Ariocarpus kotschubeyanus* (1)
- 24-86 *Leuchtenbergia* (1)
- 24-87 *Epithelantha micromeris* (1)
- 24-88 *Echinocactus palmeri* (1)
(Sud.)
- 24-89 *Ariocarpus lloydii* (1)
(Sud.)
- 24-90 *Narrisia fragrans* or *simpsonii* (1)
(Sud.)
- 24-91 *Aphelocercus nobilis* (1)
- 24-92 *Echinocereus* (1)
- 24-93 *Echinocereus* (1)
- 24-94 *Echinocereus* (1)
- 24-95 *Mammillopsis* (1)

- Mexico, Durango
A.F. Moeller # 4
- " " # 5
- " " # 6
- " Coahuila # 7
- " " # 8
- " El Pico? C
- " " B
- " " a
- " (northern) -
- " " -
- Florida, Sarasota Key
F. V. Coville # 24
- Puerto Rico, San Juan
O.W. Barrett
- Mexico, Durango
J. J. Ortega # 1
- " " # 2
- " " # 3
- " " # 4

24.96	<i>Ferocactus</i>	(1)	Mexico, Durango.	
			of J. Ortega # 5.	
24.97	<i>Agave</i>	(1)	"	" # 6
24.98	<i>Thelocactus bicolor</i>	(15)	Texas.	M. H. Ferris # 409 a.
24.99	<i>Neomammillaria</i>	(1)	"	" # 409
24.100	<i>Escobaria</i>	(1)	"	" # 409 c
24.101	<i>Ferocactus uncinata</i> B+R	(1)	"	" -
24.102	<i>Escobaria</i>	(1)	"	" # 408 B
24.103	<i>Epithelantha</i>	(2)	"	" -
24.104	<i>Escobaria</i>	(3)	"	" -
	dead 1924			
24.105	<i>Neomammillaria denudata</i>	(3)	"	" -
24.106	<i>Neolloydia texensis</i>	(15)	"	" # 410 a
24.107	<i>Escobaria</i>	(3)	"	" # 410
24.108	<i>Escobaria</i>	(1)	"	" # a
24.109	<i>Escobaria</i>	(1)	"	" # B
24.110	<i>Escobaria</i>	(1)	"	" # c
24.111	<i>Coryphantha</i>	(2)	"	" 411

24.112	<i>Echinocereus</i>	(1)	Texas	
24.113	<i>Coryphantha pectinata</i>	(5)	"	J. H. Ferriss # 414 B.
24.114	<i>Coryphantha echinus</i>	(5)	"	"
24.115	<i>Neotessera misouriensis</i>	(2)	North Dakota, Yamus Town	
24.116	<i>Mormammillaria wilcoxii</i>	(1)	Arizona	Glen Berner Arcutt 1924: 203
24.117	<i>Coryphantha</i>	(1)	"	" 1924: 204
24.118	<i>Coryphantha</i>	(1)	"	" 1924: 205
24.119	<i>Coryphantha</i>	(1)	"	" 1924: 206
24.120	<i>Coryphantha</i>	(1)	"	" 1924: 207
24.121	<i>Opuntia</i>	(2)	Texas	J. H. Ferriss # 416
24.122	<i>Opuntia</i>	(1)	"	" # 417
24.123	<i>Opuntia</i>	(2)	"	" # 417 a
24.124	<i>Echinocactus horizontalis</i>	(1)	"	" # 417 b
24.125	<i>Echinocereus reichenbachii</i>	(1)	"	" # 417 c
24.126	<i>Opuntia</i>	(1)	"	" # 418
24.127	<i>Opuntia</i>	(1)	"	" # 419

- 24.128 *Opuntia* (1)
 24.129 *Neomammillaria* (1)
 24.130 *Homalocephalus texensis* (2)
 24.131 *Pellaea flexuosa* (1)
 24.132 *Cheilanthes horridula* (1)
 24.133 *Notholama schaffneri* (1)
 24.134 *Dudleya* (1)
 24.135 *Dudleya* (1)
 24.136 *Dudleya* (1)
 24.137 *Opuntia triacantha* (2)
 24.138 *Cephalocereus royerii* ✓ ✓ (2)
 24.139 *Opuntia dillenii* (1)
 24.140 *Cephalocereus royerii* (1)
 24.141 *Nopalea cochenillifera* (1)
 24.142 *Selenicereus spinulosus* (2)
 24.143 *Euphorbia antiquorum* L. (2)

Texas

J. H. Fennis # 419a

" # 419b

" # 419c

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Arizona, Payson

Mrs. W. B. Callow

California, Fish Canyon, San Gabriel Mts.

A. Davidson # 3578

" Ventura Co.

3590

St. Kitts

Mar 30

J. Miller

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Antigua, Mexico

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Mexico, Monterrey

J. B. Mac Millan

St. Thomas

Fairchild

- 24-144 *Selenicereus grandiflorus* (1)
- 24-145 *Opuntia repens* (1)
- 24-146 *Escobaria tuberculata* (1)
- 24-147 *Echinocactus horizontalis* (1)
- 24-148 *Escobaria tuberculata* (1)
- 24-149 *Echinocereus dasyacanthus* (1)
- 24-150 *Ferocactus emarginatus* (1)
- 24-151 *Coryphantha nemeritana* (1)
- 24-152 *Neomammillaria lydfi* (2)
- 24-153 *Ferocactus hamatacanthus* (3)
- 24-154 *Ariocarpus furfuraceus* (3)
- 24-155 *Echinocereus* (2)
- 24-156 *Coryphantha echinus* (4)
- 24-157 *Mammillaria pusilla texana* (3)
- 24-158 *Echinocereus dasyacanthus* (1)
- 24-159 *Opuntia greggii* (1)

Bermuda

G. Miller

St Thomas

New Mexico, Carlsbad Caves
D.W. Lee, #6

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" #11

Texas

James H. Ferriss 425

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- 24-176 *Escobaria* (1)
- 24-177 *Sedum* (1)
- 24-178 *Euphorbia antisiphilitica* Zucc (1)
- 24-179 *Dudleya callomae* n. sp. (1)
- 24-180 *Opuntia santa-rita* (1)
- 24-181 *Opuntia biglowii* (1)
- 24-182 *Neomammillaria macdonaldii* (1)
- 24-183 *Perocactus latipinnus* (Haw) B+R (1)
- 24-184 *Thelocactus sudulensis* B+R (1)
- 24-185 *Ariocarpus retusus* (1)
- 24-186 *Echinocactus durangensis* B+R (1)
- 24-187 *Neomammillaria* (1)
- 24-188 *Neomammillaria compressa* (1)
- 24-189 *Echinocactus palmeri* Rose? (1)
- 24-190 *Echinocactus palmeri* Rose? (1)
- 24-191 *Neomammillaria chionocephala* (Purpus) B+R (1)

- Texas: High Bridge, Pecos River
 J. H. Ferriss -
- " " " " " "
- Arizona, Payson
 Rose C. Collom. April 21
- " Tucson
 Frank Shreve. April 24
- " " " " " "
- " " " " " "
- Mexico, San Pedro, Coch.
 Arturo F. Moeller #1 April 24
- " " " " " #2
- " " " " " #3
- " " " " " #4
- " " " " " #5
- " " " " " #6
- " " " " " #7
- " " " " " #8
- " " " " " #9

24.192	<i>Bachycereus marginatus</i>	(1)	Mexico, San Pedro, Coah.	
			Arturo F. Moeller # 10	
24.193	<i>Cereus</i>	(1)	"	
24.194	<i>Echinocereus</i>	(1)	"	# 11
24.195	<i>Nyctocereus</i>	(1)	"	# 12
24.196	<i>Thelocactus fossulatus</i> B. & R.	(1)	"	# 13
24.197	<i>Echinocereus</i>	(1)	"	# 14
24.198	<i>Coryphantha</i>	(1)	"	# 15
24.199	<i>Echinocereus</i>	(1)	"	# 16
24.200	<i>Echinocereus</i>	(1)	"	# 17
24.201	<i>Echinofossulocactus</i>	(1)	"	# 18
24.202	<i>Echinofossulocactus</i>	(1)	"	# 19
24.203	<i>Echinocereus</i>	(1)	"	# 20
24.204	<i>Coryphantha</i>	(1)	"	# 21
24.205	<i>Coryphantha</i>	(1)	"	# 22
24.206	<i>Hamatocactus setispinus</i>	(1)	"	# 23
24.207	<i>Echinocereus</i>	(1)	Texas, Bank of Neeces near Laguna	
			J. A. Ferris 431	
			" 431 B.	

- 24.224 *Cereus hexagonus* ✓ (1)
- 24.225 *Aphalocereus* ✓ (1)
Seed (1)
- 24.226 *Aphalocereus* ✓ (1)
- 24.227 *Acanthocereus* (1)
- 24.228 *Selenicereus* (1)
- 24.229 *Hylocereus* (1)
- 24.230 *Opuntia dillenii* (1)
- 24.231 *Opuntia* (1)
- 24.232 *Nopalea* (1)
- 24.233 *Hylocereus* (1)
- 24.234 *Opuntia dillenii* (1)
- 24.235 *Nopalea cochenillifera* (1)
- 24.236 *Aphalocereus barbadensis* (1)
- 24.237 *Cactus* (1)
- 24.238 *Echinocactus denudatus armitii* (1)
- 24.239 *Echinocactus denudatus armitii* (1)

Grenada

- " *G. Miller* #2
- " #3
- " #4
- " #5
- " #6
- " #7
- " #9
- " #10
- " #8

Barbados

Feb. 24/1924

Feb 24. 1924

St. Kitts near Bassa Terre.

Germany, Köln.
Fr. Bödeker.

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|--------|--|-----|---|-------------|
| 24-256 | <i>Neomammillaria chirocephala</i> | (1) | Mexico, San Pedro, Coah. | May 27 |
| | | | Alturo F. Miller # 9 | |
| 24-257 | <i>Thelocactus heterocornus</i> | (1) | " | # 10 |
| 24-258 | <i>Coryphantha radians</i> | (1) | " | # 11 |
| 24-259 | <i>Quiocarpus Proserpetin Lloydii</i> | (1) | " | - |
| 24-260 | <i>Echinomastus angustepinus</i> | (1) | " | - |
| 24-261 | <i>Coryphantha mexicana</i> | (2) | Texas, El Paso | May 30 |
| | | | Charles Hammond | |
| 24-262 | <i>Neomammillaria denudata</i> | (2) | " | |
| 24-263 | <i>Opuntia</i> | (1) | Utah, Ponce | May 9 |
| | | | J. Hopkins | |
| 24-264 | <i>Scleroactus whipplei</i> (Engelm + Brigg) B & R | (1) | " | |
| 24-265 | <i>Echinocereus</i> | (1) | " | |
| 24-266 | <i>Zygocactus truncatus coccineus</i> | (1) | New York, Highland Park Conservatory, Rochester | |
| | | | Wm. L. G. E. dam | |
| 24-267 | <i>Echeveria runyonii</i> n. sp. | (2) | Texas, Brownsville | |
| | | | Robert Runyon | |
| 24-268 | <i>Opuntia</i> | (2) | Mexico, La Cruz | May 26 1924 |
| | | | J. G. Ortega # 5228 | |
| 24-269 | <i>Opuntia</i> | (1) | " | # 5229 |
| 24-270 | <i>Opuntia</i> | (1) | " | # 5230 |
| 24-271 | <i>Opuntia</i> | (1) | " | # 5231 |

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| 24.272 | <i>Rathbunia</i> | (1) | Mexico; La Cruz. | | May 24. |
| 24.273 | <i>Rathbunia</i> | (2) | H. G. Ortega # 5232 | | |
| 24.274 | <i>Acanthocereus occidentalis</i> | (1) | | # 5233 | |
| 24.275 | <i>Opuntia ottagae</i> n. sp. | (1) | | # 5234 | |
| 24.276 | <i>Pereeskopsis</i> | (1) | | # 5235 | |
| 24.277 | <i>Mammillaria mayatlanensis</i> | (1) | | # 5236 | |
| 24.278 | <i>Mammillaria mayatlanensis</i> | (1) | | # 5237 | |
| 24.279 | <i>Echinocactus</i> | (1) | Sianori | # 5238 | |
| 24.280 | <i>Napaea</i> | (2) | La Cruz | # 5239 | |
| 24.281 | <i>Pereeskopsis</i> | (1) | | # 5240 | |
| 24.282 | <i>Neomammillaria</i> | (1) | | # 5241 | |
| 24.283 | <i>Coussipantha</i> | (1) | New Mexico, Carlsbad. | | |
| 24.284 | <i>Neomammillaria nivea</i> | (1) | W. T. Lee | | |
| 24.285 | <i>Agave</i> | (2) | California, Chuckawalla, chocolate mts | | June 2. |
| 24.286 | <i>Sclerocactus whipplei</i> | (1) | E. C. Root. | | |
| 24.287 | <i>Coussipantha</i> | (1) | St. Thomas. | | June 11. |
| | | | A. S. Fairchild | | |
| | | | Utah, Price | | |
| | | | Joseph D. Hopkins | | June 11 |
| | | | Arizona, Tucson | | |
| | | | J. J. Thombur | | |

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| 24.288 | <i>Selenicereus</i> | (1) | Florida | Lloyd Brothers | June 16, |
| 24.289 | <i>Epithelantha micromeris</i> | (1) | Mexico, Monterey | J.H. + J.T. Cincinnati Ohio | June 17 |
| 24.290 | <i>Momammillaria</i> | (1) | Mexico, San Luis Potosi | A.F. Moeller # 25 | |
| 24.291 | <i>Coryphantha cornigera</i> | (1) | " Zacatecas | " # 26 | |
| 24.292 | <i>Aricearpus Lotschoubeyanus</i> | (1) | " | " # 24 | |
| 24.293 | <i>Marsdenia edulis</i> S. Wats. | (1) | Mexico | | |
| 24.294 | <i>Selenicereus spinulosus</i> | (1) | Mexico, Macdonald | | |
| 24.295 | <i>Sedum ternatum</i> | (1) | Mexico, Xicotencatl. | J. Lloyd Brothers | June 18. |
| 24.296 | <i>Ferocactus johnsonii</i> B. & R. | (1) | Kentucky | R. Runyon | June 19 |
| 24.297 | <i>Opuntia erinacea</i> Engelm. | (1) | Arizona, Kingman | Mrs. Chas. Bly | |
| 24.298 | <i>Momammillaria milleri</i> | (1) | Arizona, Sacaton | | |
| 24.299 | <i>Ferocactus bicinctus</i> | (1) | " | A.R. Leding | |
| 24.300 | <i>Hylocereus undatus</i> | (1) | - (data lost) | | 1924 |
| 24.301 | <i>Selenicereus spinulosus</i> | 3 | Mexico, Monterey | Green House Dept. Agri. | |
| 24.302 | <i>Opuntia pascoensis</i> B. & R. | 1 | Peru, Cuzco | J.B. Macmillan | |
| 24.303 | <i>Cereus</i> | 1 | " | Fortunato L. Herrera # 1 | May 19, 1924 |
| | (yellow spine) | | " | " # 2 | |

- 24-304 *Cereus* (2)
Red spine
- 24-305 *Erdesia squarrosa* B+R. (1)
- 24-306 *Erdesia squarrosa* B+R. (1)
(very spiny)
- 24-307 *Opuntia* (1)
(narrow)
- 24-308 *Opuntia* (1)
(broad)
- 24-309 *Opuntia floccosa* (1)
- 24-310 *Trichocereus cuzcoensis* (2)
- 24-311 *Lobivia corbula* (Hems.) B+R. (2)
- 24-312 *Opuntia* (1)
- 24-313 (Scotch Broom) (1)
- 24-314 *Opuntia* (1)
- 24-315 *Neomammillaria denudata* (1)
- 24-316 *Opuntia grahamii* (1)
- 24-317 *Echinocereus dasycaanthus* (2)
- 24-318 *Crotalaria* (1)
- 24-319 *Echinomastus intertextus* (1)

- Peru, Cuzco May 19
Fortunato F. Z. Herrera # 25
- " " # 3
- " " # 3^a
- " " # 4
- " " —
- " " # 5^a
- " " # 7
- " " —
- Virginia, Lynchburg June 27
Percy R. Moore
- " " "
- N. Jersey, Millville, Cumberland Co.
A. J. Poole
- Texas
Orcutt # 24-493
- " Sierra Blanca
" 24-477
- " —
" 24-502
- " Shafter
- " —
24-504

- | | | | | | |
|--------|----------------------------------|---------------------------|-----|---|----------|
| 24.320 | <i>Opuntia vulgaris</i> | (cult) | 11) | N.Y. | Game 25. |
| 24.321 | <i>Opuntia</i> | | 11) | L.G. Edmon, Highland Park, Reservoir Ave, Rochester | |
| | | Crysan lake flowers Rare. | | Texas. marfa | |
| 24.322 | <i>Coryphantha</i> | | 11) | Orcutt. 1924: 496. | |
| 24.323 | <i>Selenicereus spinulosus</i> | | 11) | " Sanderson | |
| 24.324 | <i>Selenicereus spinulosus</i> | | 11) | " 1924: 636. | |
| 24.325 | <i>Coryphantha elephantidens</i> | (seed) | 11) | Mexico, Monterey | |
| 24.326 | <i>Coryphantha ureta</i> | (seed) | 11) | Lloyd Bros. #1 | |
| 24.327 | <i>Mamillaria barwinskiana</i> | (seed) | 11) | " #2 | |
| 24.328 | <i>Ferocactus nobilis</i> | (seed) | 11) | Mexico | |
| 24.329 | <i>Ferocactus covillei</i> | (seed) | 11) | Poder Ejecutivo Federal of Chapultepec. | |
| 24.330 | <i>Ferocactus flavovirens</i> | (seed) | 11) | " | |
| 24.331 | <i>Coryphantha cornifera</i> | (seed) | 11) | " | |
| 24.332 | <i>Mamillaria elongata</i> | (seed) | 11) | " | |
| 24.333 | <i>Coryphantha echinus</i> | (seed) | 11) | " | |
| 24.334 | <i>Echinocactus latispinus</i> | (seed) | 11) | " | |
| 24.335 | <i>Mamillaria uncinata</i> | (seed) | 11) | " | |

- 24-336 *Coryphantha daimonoceras* (seed) 117
 24-337 *Echinocactus latispinus flavispinus* (seed) 118
 24-338 *Echinocactus grandis* (seed) 119
 24-339 *Mammillaria centricrinha* (seed) 120
 24-340 *Ferocactus macrodiscus* (seed) 121
 24-341 *Coryphantha retusa* (seed) 122
 24-342 *Zamia* 123
 24-343 *Opuntia* 124
 24-344 *Opuntia* 125
 24-345 *Opuntia* 126
 24-346 *Opuntia* 127
 24-347 *Opuntia* 128
 24-348 *Coryphantha macromeris* 129
 24-349 *Echinocereus paucispinus* 130
 24-350 *Besleria* 131
 24-351 *Echinocereus* 132

Mexico

Podar Ejecutivo Federal Jard. Bot. of Chapultepec.

Azores

June 30, 1924
 Comm intercepted at Providence R.I. by C.A. Davis (Fed. Nat. Rel.)
 Texas, Dryden

Orcutt 1924: 781

1924: 782

1924: 783

1924: 780

1924: 786

1924: 776

Texas Sanderson

1924: 645

Texas

1924: 640

1924: 638

- 24-352 *Echeveria goldmani* (4) N.Y. Bot. Gard. # 20678
Mr. Becker
- 24-353 *Pachyphytum amethystinum* (11) # 25-956
- 24-354 *Gormania watsoni* (1) California Region July 16
Carl Purdy % N. L. Britton nysly.
- 24-355 *Echinocereus dasyacanthus* (2) New Mexico, Carlsbad
Gayer.
- 24-356 *Echinocereus dasyacanthus* (1) Texas, 20 mi. n.w. of Van Horn
Susan Patterson
- 24-357 *Coryphantha muhlenbergii* (11) Texas, El Paso
Potter Floral Co.
- 24-358 *Echeveria nodulosa* (13) Scotland, Edinburgh.
Royal Bot Garden, % Foreign S. & P. Herod. July 17.
(Seed)
- 24-359 *Coryphantha echinias* (1) Texas, Langtry
Orcutt 1924: 717.
- 24-360 *Opuntia leucostriata* (2) N.Y. Rochester, Department of Parks (Cult) July 21.
Wm L. G. Edson 0-1379
- 24-361 *Selenicereus* (1) Cuba, El Cobre 1912
N.Y. Bot. 35-226 Britton + Connel 12879.
- 24-362 *Mammillaria verhaertiana* Böt (1) Germany, Cöln an Rhein
Boedker.
- 24-363 *Ferocactus acanthodes* (1) California, Owens Valley July 24
Seed.
J.H. Ferriss.
- 24-364 *Ferocactus acanthodes* (12) " " "
- 24-365 *Opuntia "westringianensis"* (10) Virginia, Limestone ledges at Overall. July 27
Edgar T. Wherry
- 24-366 *Cassia* (1) Panama
Seed)
Cv Piper
- 24-367 *Echinocereus* (1) Mexico, Monterrey. July 31
C. B. Orcutt 1924: 989.

- 24-384 *Oliveranthus elegans*
 24-385 *Echeveria orata*
 24-386 *Mammillaria multiceps*
 24-387 *Rhipsalis mesembryanthoides*
 24-388 *Cotyledon amonea*
 24-389 *Agave maculata*
 24-390 *Mammillaria pusilla*
 24-391 *Epiphyllum* (Seed)
 24-392 *Cereus trigonodendron* Schum.
 24-393 *Aloe* (Seed)
 24-394 *Cereus nickelsi* = *Aphelocereus polycephalus* (Seed)
 24-395 *Selenicereus grandiflorus*
 24-396 *Escolaria*
 24-397 *Opuntia*
 24-398 *Opuntia echinocarpa*
 24-399 *Opuntia lindheimeri*

- Scotland
 Bot Gard. Edinburgh, Wm C. Smith 49421
 " " 29422
 " " 29423
 " " 29424
 " " 29425
 " " 49414
 " " 49409
 Panama, via Mr. Powell's Garden Standley 28546
 Bolivia, Cochula Esperanza M. Meyer
 Africa (East) Shantz SPI 60449
 Texas, Laredo Aug. C. Rosecutt
 Jamaica Aug. 11. % Parks, Davis + Co. O.A. Farwell. Detroit Mich.
 Texas, Laredo Orcutt 1924:1040
 New Mexico, Carlstad Hodd
 California
 Texas

24.400 *Lamprocactus montanus* B+R.

24.401 *Lampro-cereus thiberti*

24.402 *Opuntia atacamensis*

24.403 *Opuntia*

24.404 *Pereskopsis*

24.405 *Opuntia*

24.406 *Opuntia*

24.407 *Ferocactus*

24.408 *Neomammillaria*

24.409 *Neomammillaria*

24.410 *Rothbunia*

24.411 *Rothbunia*

24.412

24.413 *Ferocactus*

24.414 *Acanthocereus horridus* B+R. ^{Seed.}

24.415 *Chamaecrista pukuila*

Mexico

J. G. Ortega 5242

" " 5243

" " 5244

" " 5245

" " 5246

" " 5247

" " 5248

" " 5249

" " 5250

" " 5251

" " 5252

" " 5253

" " 5253

Arizona

J. D. Ferris, Yoliet Ill.

My. Rochester

L. G. Edson, Dept. Parks

Texas

R. Runyon 657

Aug 12.

Aug 10.

Aug 19.

Aug 16.

24.416

24.417 ^{Ciana} *Poinsettia pulcherrima* L.

24.418 *Caesalpinia mexicana*

24.419 *Guilandina gillesii*

24.420

24.421 *Opuntia*

24.422 *Opuntia cuneata*

24.423 *Cleistocactus anguinus*

24.424

24.425

24.426 *Opuntia*

24.427 *Mouillea* (*M. cavendishii* Donnell)

24.428

Cassia

24.429 *Opuntia pottsii* S.D.
(dud) see herb.

24.430

"

Cassia

Rock 2827

665-

656

Cuba

sem

July.

Germany Berlin Bot. Gard.

Range #1 House #7

New Mexico, Bland.

Ernest Knoebel

Aug 18

Texas

Orcutt 1924: 1041,

New York, Rochester, Lambertson Conserv., Highland Park. Aug 23
CR. Mc Grath.

A. Davidson, Los Angeles

9/9/24 ^{read}

Carlsbad, N.M.

W. Y. Lee

"

El Paso, Tex

Chas. Hammond

"

24.416

24.417 ^{ciara} *Poinsettia pulcherrima* L.

24.418 *Cassipouira mexicana*

24.419 *Guilandina gillesii*

24.420

24.421 *Opuntia*

24.422 *Opuntia cuneata*

24.423 *Chiotocactus anguinus*

24.424

24.425

24.426 *Opuntia*

24.427 *Mouillea* (*M. cavendishii* Norville)

24.428

Cassulac.

24.429 *Opuntia* *pottsii* S.D.
(dud) see herb.

24.430

"

Texas

R. Runyon 656

" 5/6
655-

" 665-

" 656

Cuba

San

July.

Germany Berlin Bot. Gard.

" Range #1 House #7

New Mexico, Bland

Ernest Knoebel

Aug 18

Texas

Orcutt 1924: 1041.

New York, Rochester, Lambertson Conserv., Highland Park. Aug 23

CR. Mc Grath.

A. Davidson, Los Angeles

9/9/24 ^{recd}

Carlsbad, N.M.

W. Y. Lee

"

El Paso, Tex

Chas. Hammond

"

24.431 *Echinosactus*

24.432 *Opuntia*

24.433 "

24.434 *Neomammillaria condida*

24.435 " sp?

24.436 *Opuntia dulcis*

24.436^o *Echinocereus montereyensis*

24.437 *Echinocereus*

24.438 *Neomammillaria ruyonii*

24.439 *Echinocereus albiflorus*

24.440 *Coryphantha nickelsae*

24.441 *Echinocereus conglomeratus*

24.442 *Echinocereus sarcocophonus*

24.443 *Amistocactus scherii*

24.444 *Molloydia conoidea*

24.445 *Ayax fourcroides* fide Britton

J. D. Hopkins, Price, Utah 9/9/24

#1

A. P. Goddard, Uvalde, Tex. (Box 509) "

#2

" " " " " "
State of San Luis Potosi Mexico Mexico

Carlsbad NM Lee "

Mexico

Sept. 19.

Orcutt #1088

1107

1091

1094

1102

1105

1106

1104

1101

1096

- 24 446 *Selenicereus*
- 24,447 *Agave foveoides* (Monterey H.L. Cult.)
- 24 448 *Echinocactus longianatus* var. a.
- 24,449 *Echinocereus sarissophorus* (var. probably)
- 24,450 *Neomammillaria glomerata*
- 24 451 *Mammillaria heydeni*
- 24,452 *Compantha elephantidens*
- 24 453 *Epithelantha greggii*
- 24,454 *Pereskia*
- 24.455 *Passiflora edulis* Sims
- 24.456 " *serratifolia* L.
- 24.457 " *purpurascens* ?
- 24.458 *Selenicereus grandiflorus*
- 24.459 *Epiphyllum angulipes*
- 24.460 *Epiphyllum hybridus wrayii*
- 24.461 *Lemaireocereus dumortieri*

Mexico

Orcutt # 1117

1112

1110

1113

1090

1119

1103

1118

Agaves (cult.)

Mexico Capulin Aug. 1924

"

Jamaica

Sept 1924

NY Rochester, Highland Park (Tropical America)

Sept. 22

W. J. Edson

"

"

"

"

- 24-462 *Echinocereus fendleri*
 24-463 *Epithelantha*
 24-464 *Cocobaria*
 24-465 *Opuntia polycarpa*
 24-466 *Opuntia polycarpa*
 24-467 *Opuntia polycarpa?*
 24-468 *Opuntia fragilis*
 24-469 *Coryphantha vivipara*
 24-470 *Opuntia dillenii*
 24-471 *Nopalea cochinillofera*
 24-472 *Selenicereus spinulosus?*
 24-473 *Myctocereus serpentinus*
 24-474 *Lenophyllum* (*guttatum*) Rose
centifolium
 24-475 *Sedum palmeri?*
 24-476 *Echeveria simulans*
 24-477 *Sedum diffusum* Wats.

- New Mexico, Carlsbad Sept.
 P. C. Standley
 "
 "
 "
 "
 Montana, Baker
 Glenn Berner #1 121 E. Front St. Jamestown N.D. Sept.
 N. Dakota, Mandan
 " #2
 Montana, Livingston
 " #3
 Mont; N. Dakota
 " #4
 N. Dakota, Minot
 " #5
 Grenada W.I.
 "
 "
 Mexico.
 Orcutt 1164
 " 1160
 " 1163
 " 1162
 " 1114
 " 1161

- 24.478 *Neomammillaria glomerata*
 24.479 *Setum leucophylloides* Rose.
 24.480 *Opuntia schottii*
 24.481 *Selenicereus spinulosus*
 24.482 *Ancistrocactus scheeri*
 24.483 *Coussipartha*
 24.484 *Echinocereus parryi*
 24.485 *Harrisia martinii*
 (Fruit)
 24.486 *Opuntia fulgida* Engelm
 (Fruit)
 24.487 *Neomammillaria fasciculata* Engelm B+M.
 24.488 *Acanthocereus occidentalis* B+R.
 24.489 *Selenicereus vagans* (Brandegee) B+R.
 24.490
 24.491 *Epithelantha greggii*
 24.492 *Tradescantia*
 24.493 *Tradescantia*

- Mexico
 Orcutt 1121
 " Sierra Madre, Monterey
 " 1165
 " 1111
 " 1117
 " near Monterey
 " 1104
 " 1103.
 " Paredon, Coah.
 " "
 California, 212 E. 24th St. Los Angeles
 H.M. Wiegman.
 Mexico
 J.G. Ortega # 5245
 " " 5254
 " " 5551
 " " 5552
 " " 5548
 " Paredon Coah.
 Orcutt 1924: 1298.
 Texas, Brownsville
 Robert Runyon #676
 " # 677

24.494 *Palmiocranus chloranthus*

24.495 *Escobaria tuberculata* ?

24.496 *Coryphantha echinus*

24.497 *Palmiocranus euscacanthus*

24.498 *Coryphantha macromeris*

24.499 *Coryphantha vivipara*

24.500 *Mammillaria mazatlanensis*

24.501 *Coryphantha arizonica* 2

24.502 *Coryphantha arizonica* 2

24.503 *Anacampteros densifolia*

24.504 *Mammillaria droegeana*

24.505 *Mammillaria mundtii*

24.506 *Opuntia*

24.507 *Harrisia martinii*

24.508 *Harrisia*

24.509 *Harrisia*

Texas, El Paso

Oct 21

Chas. Hammond.

" 20 mi n. of Alpine

Nov 1.

" # 2

" Betw. Ft Stockton + Alpine

" # 3

" 23 mi s.w. of Sierra Blanca.

" # 4

" 23 mi s.w. of Sierra Blanca.

" # 5

North Dakota, 121 E 5th St. Jamestown

Glenn Berner

Germany, Köln

Bödeker.

Arizona, Greenland Point, Grand Canyon, Nat. Park. Aug 23

El Goldman

" , Dry Falls, Kaibab Nat. Forest.

Aug 20

Germany, Berlin

W. Mundt.

" (Mexico)

" (Mexico)

Mexico, n.l.

Oriente 3769.

California Los Angeles, (Cult)

H.M. Wegehener

- 24.510 *Hyllocereus*
- 24.511 *Cephalocereus*
- 24.512 *Pasiphora* ^{seeds} *nap*
- 24.513 " "
- 24.514 *Graptopetalum bartramii* 4
- 24.515 *Echinocactus parryi* 3
- 24.516 *Echeveria icheri*? [Craja de burro (mex)]
- 24.517 *Escobaria* aff. *bella*
- 24.518 *Coussipantha* *difficilis*
- 24.519 *Echinocereus*
- 24.520 *Echinocereus*
- 24.521 *Echinofossalocactus*
- 24.522 *Selenicereus spinitarsus*
- 24.523 *Phyllocactus*
- 24.524 *Mammillaria sempervivi*
- 24.525 *Echinofossalocactus tricuspis* *dentatus*

Barbados B.W.I. Bridgetown Box 124
I.H. Robinson

- " "
- Panama: Between Inance Field &
Catalina Standley 30158 1/9/24
- Costa Rica:
Standley 34146 2/12/24
- Arizona Shaded ledges in Tulex canyon, Patagonia mts Santa Cruz mts
Edwin B. Bartram Nov. 21
- Texas, El Paso.
Charles Hammond Nov. 29
- Mexico
Orcutt 1924: 1484
- " " 1924: 1374
- " " 1924: 1103
- " , Paredon, Coch. 1924: 1480
- " " with 1924: 1480
- " " 1924: 1546
(Circinardi det + Plumst.) Dec. 6
- " J.H. Lloyd
- " Orcutt 1924: 1563.
- " " 1924: 1543
- " " 1924: 1524

24.526 *Neomammillaria gemifera*

24.527 *Echinocereus*

24.528 *Neomammillaria brassana*

24.529 " *decupiens*

24.530 " *zuccarumiana*

24.531 *Urbinia*

24.532 *Echinofossulocactus*
perhaps rep.

24.533 *Selenicereus*

24.534 *Aphelocactus*

24.535 *Stapelia grandiflora*

24.536 *Haworthia*

Mexico, Chiapas, Colonia Dublin
Orcutt.

"

"

"

" 1924: 1576

"

" 1924: 1577

"

" 1924: 1578

"

San Luis Petri

" 1924: 1877

"

" 1924: 1945

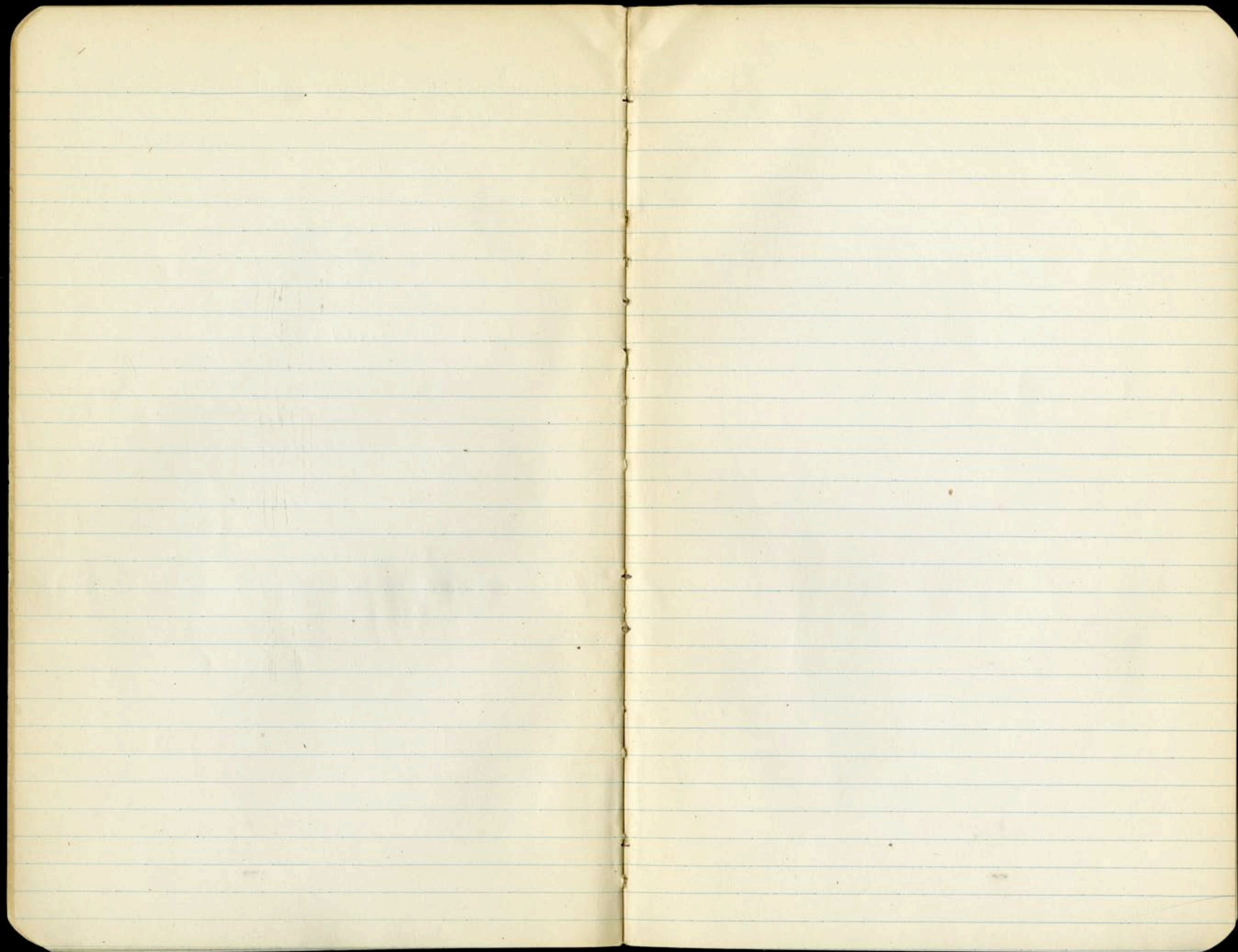
" Said to have large red ("Colorado") flowers.

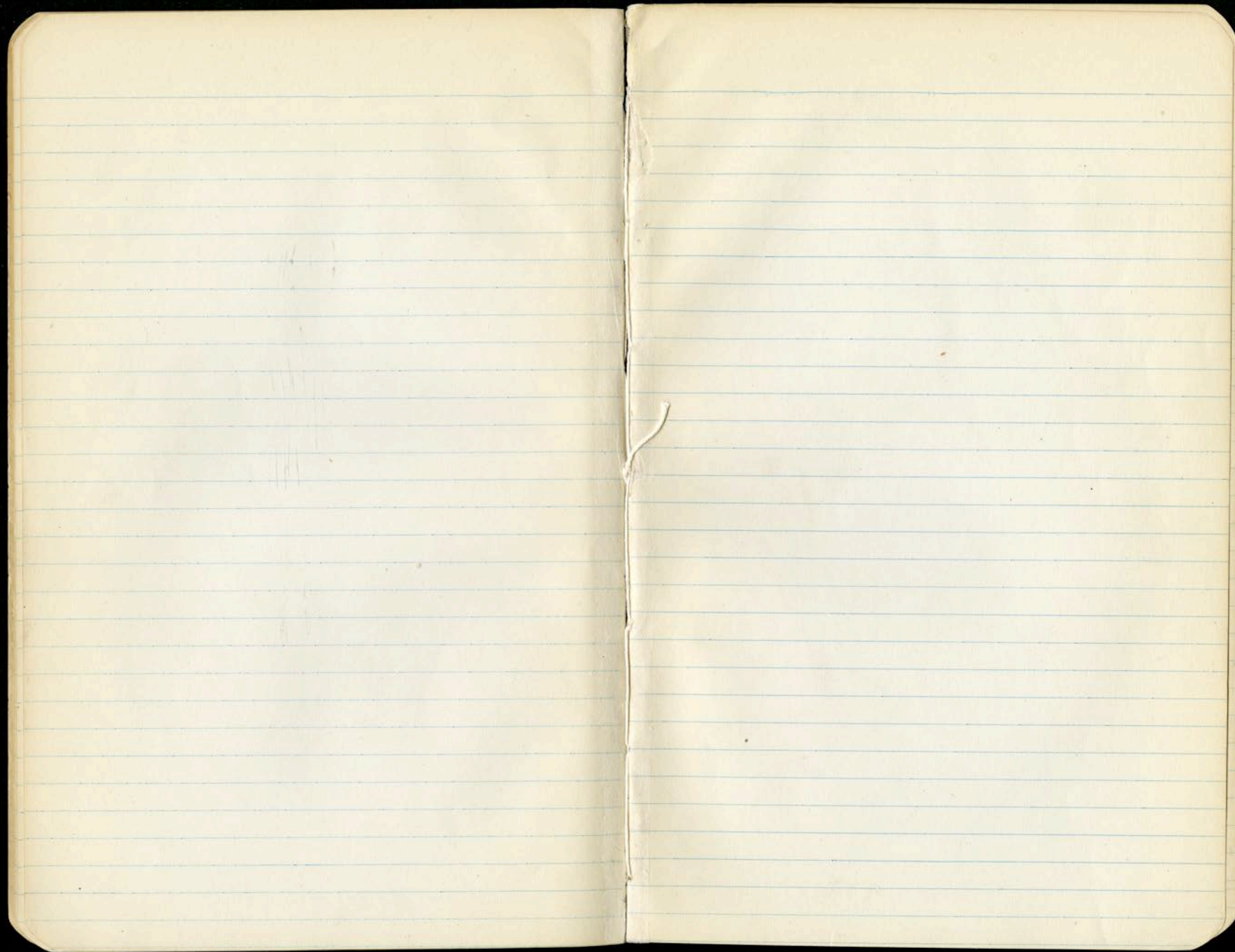
"

Brazil, 44 mi SE. of Carolina Maranhao
EW Shaw

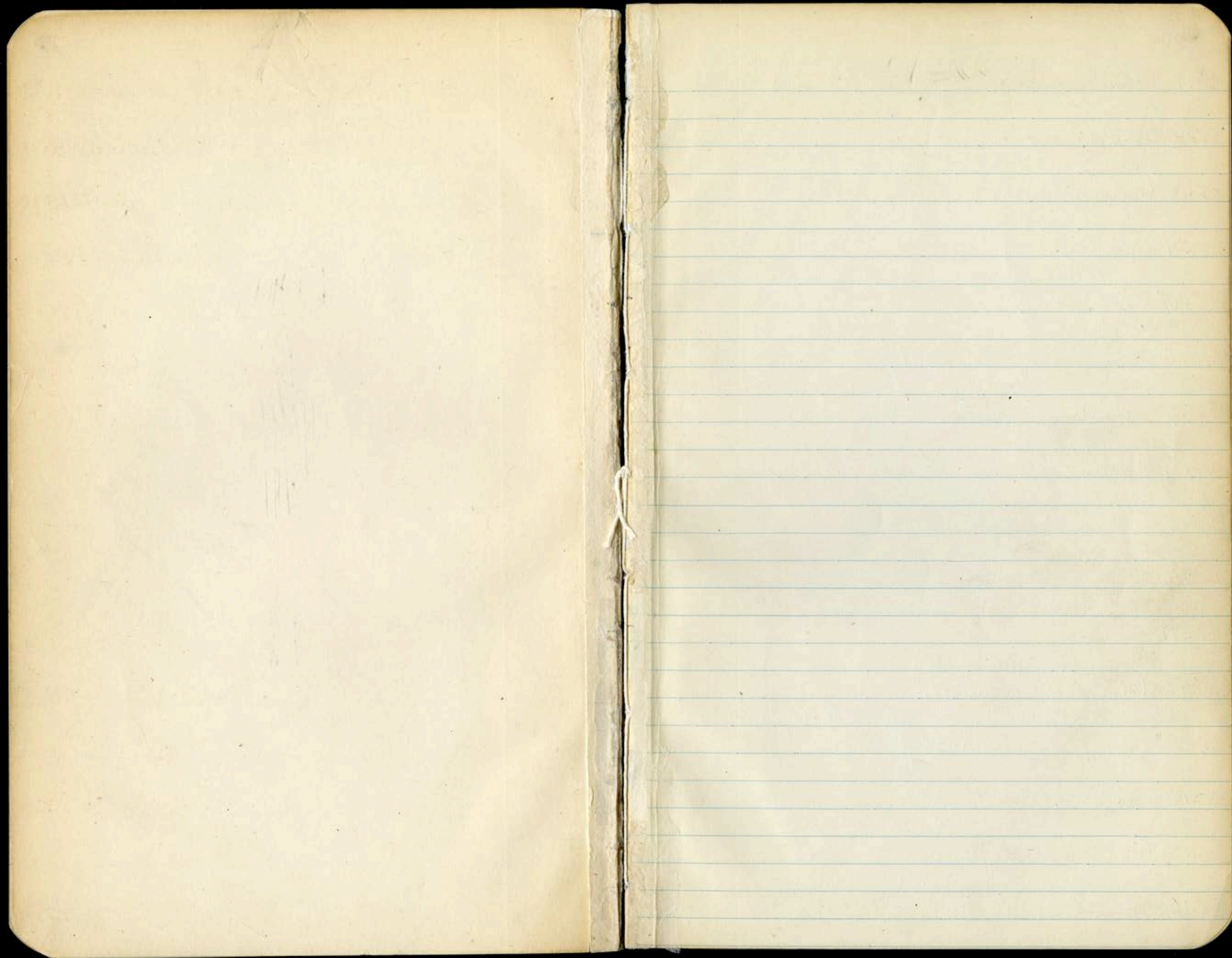
1 Africa Old Great Horn Plant

" Old Great Horn Plant





1925 - 1929



25.1 Echinocereus

25.2 Opuntia

25.3 Opuntia

25.4 Opuntia

25.5 Malacocarpus

25.6 Neomammillaria incerta

25.7 Echeveria ^{palmeri} ~~walpotiana~~ Rose

25.8 Sedum retusum Hemel.

25.9 Sedum greggii Hend.

25.10
(a red lily)

25.11
(wild flower bulbs)

25.12 Colocasia esculenta
"Leaves used for fodder, root used as a vegetable. Large white leaf"

25.13 Graptopetalum rusbyi

25.14 Cassia biflora
(seed)

25.15 Diallobus uniflorus
(seed)

25.16 Neomammillaria olivacea

Texas, El Paso
Ch. Hammond.

Argentina Buenos Aires

California, Mouth of Deep Creek, Santa Rosa Mts, Colorado Desert.
S.B. Parish. Jan. 16

Mexico, near San Luis Potosi
Orcutt 1730

"
" 1740

"
" 1799
9000ft. alt.

China, 50 mi s. of Songpan alt. 7500
David C. Graham

"
" Suifu, Szechuen alt 1000
"

Arizona, Tucson, Sabino Canyon
Edwin B. Kirtland Jan 26

Mexico, Sea cliffs Mazatlan
" Nov 27, 1924

" Sinaloa, Naranjo
Arizona, Sabino Canyon, Santa Catalina Mts.
" Nov 27, 1924

- 25.17 *Neomammillaria microcarpa*
 25.18 *Echinocereus viridiflorus*
 25.19 *Coryphantha nemoralis*
 25.20 *Escobaria dasycantha*
 25.21 *Echinocereus*
 25.22 *Opuntia atrispina* Griffith?
 25.23 *Opuntia aciculata* Griffith?
 25.24 *Opuntia cacanapa* Griffith
 25.25 *Echinocereus triglochidiatus* Engelm.
 25.26 *Echinocereus conoideus* Rimp.
 25.27 *Opuntia rufida* Engelm.
 25.28 *Opuntia engelmannii* form.
 25.29 *Opuntia macrocentra* Engelm.
 25.30 *Opuntia macrocentra* Engelm.
 25.31 *Opuntia aciculata* Griffith
 25.32 *Thelocactus bicolor* (Galt) Britt + Rose

- Arizona, Sabino Canyon, Santa Catalina Mts.
 Edwin B. Bartram.
 New Mexico, near Soledad Canyon, Organ Mts. ^{ft. alt.} 6200-7000
 R.H. Townsend. #1 Jan. 29,
 " #2
 " #3
 " #4
 Texas, Uvalde Canyon
 E. Mortensen #1
 " #2
 " #3
 " #6
 " #7
 " Terlingua, Brewster Co. #10
 " #11
 " Brewster Co. #12
 " Terlingua Co. #13
 " Brewster Co. #16
 " Lajitas, Brewster Co. #22

- 25.33 *Echinocereus enneacanthus* Engelm.
 25.34 *Opuntia grahamii*
 25.36 *Coryphantha neomexicana* (Engelm.) Britt & R.
 25.37 *Echinocereus dasyacanthus*
 25.38 *Opuntia grahamii*
 25.39 *Neomammillaria beyleri* (Muhl.) Britt & R.
 25.40 *Neomammillaria multiops* (S.D.) Britt & R.
 - *Mammillaria texensis*
 25.41 *Neomammillaria schiedeana*
 25.42 *Cactus eschmayeri* (type loc.)
 25.43 *Cactus bispinis*
 25.44 *Escontria bella*
 25.45 *Escontria bella*
 25.46 *Mammillaria texensis* = *Neomammillaria multiops*
 25.47 *Coryphantha macromeris*
 25.48 *Coryphantha*
 25.49 *Coryphantha*

- Texas, Brewster Co.
 E. Mortensen # 23
 " Presidio Co. # 24
 " Terlingua Co. # 31
 " " # 32
 " Brewster Co. # 33
 " " # 39
 " " # 40
 " Mueses Canyon, Uvalde Co.
 " # 40
 Mexico
 Orcutt 1925: 21
 " " 1925: 22
 " " 1925: 49
 Texas, Devils Run
 J. H. Ferriss 570 K.
 " 570 L.
 " 570 M.
 Texas
 " 578
 " 578 E.
 " 578 C X

25.50 *Neomammillaria denudata*
 25.51 *Echinomastus intertextus* B & R.
 25.52 *Escobaria dasycantha* B & R.
 25.53 *Neolloydia texensis* B & R.
 25.54 *Coryphantha*
 25.55 *Neomammillaria denudata* B & R.
 25.56 *Echinocereus octacanthus*?
 25.57 *Echinocereus viridiflorus*
 25.58 *Echinocereus viridiflorus*
 25.59 *Opuntia*
 25.60 *Opuntia*
 25.61 *Opuntia*
 25.62 *Echinocereus dasycanthus*
 25.63 *Echinocereus dasycanthus*
 25.64 *Opuntia*
 25.65 *Opuntia lindheimeri* (form)

Texas
 J. H. Fenno # 5189.
 " 5199.
 " 519 F.
 " 519 H.
 " -
 " near Marathon
 " 520 B.
 " 520 G.
 " 520 D.
 " 520 E.
 " Uvalde canyon grows on rocky hills 3-4 ft. h. Mar. 7.
 " Brewster Co. E. Mortensen # 4
Crest 3-4 ft., Sandy soil
 " # 17
 " Langtry grows on gravelly hills
 " # 18
 " Terlingua gravelly hillsides
 " # 19
 " " Rocky, dry soil
 " # 20
 " Uvalde on gravelly ridges. common
 " # 41
 " Uvalde canyon grows in rich loam
 " # 42

25.66 *Opuntia atrispina* Griffith

25.67 *Neomammillaria pottsii*

25.68 *Ferocactus lamatacanthus*

25.69 *Echinomastus ferrisi*

25.70 *Thelocactus bicolor*

25.71 *Neomammillaria denudata*

25.72 *Echinocereus*

25.73 *Echinocereus*

25.74 *Echinocereus dasyacanthus*

25.75 *Echinocereus dasyacanthus*

25.76 *Echinocereus lloydii*

25.77 *Echinomastus nitidus* B+R.

25.78 *Peperomia mantlebii*
(bulbs)

25.79 *Opuntia*

25.80 *Echinomastus ferrisi*

25.81 *Coryphantha macromeris* ?

Texas; Uvalde canyon Rocky hillside Mar. 7.

E. montenense # 43

" *Terlingua* Petals are colored with white striping
the stems and pistils are yellow.

" # 31

" " near mouth of Rio Grande canyon Mar. 9.

J. H. Ferris

"

"

"

"

"

"

"

"

"

"

"

"

522 C.

"

522 B.

"

522

"

523 D

Mexico, Alvarez San Luis Potosi

Dec. 1, 1924

In company with Dr. Orcutt 1924-1967

" Monterey, N. L.

Mar. 13.

Orcutt, 1924-1966

Texas Blue Creek Canyon

J. H. Ferris 526a

Mar. 25.

"

526 B

25.82 *Coryphantha micromera*?

25.83 *Ferocactus uncinatus*

25.84 *Echinocereus dasyacanthus*

25.85 *Echinocereus*

25.86 *Opuntia polyacantha*

25.87 *Opuntia tortispina*

25.88 *Oncidium*

25.89 *Byrnesia weinbergii* Roe

25.90 *Coryphantha*

25.91 *Epiphyllum*

25.92 *Lemaireocereus*

25.93 *Echinocereus knippelianus*

25.94 *Pereskiaopsis*
(Tuna de playa)

25.95 *Nopalua*

25.96 *Opuntia*

25.97 *Echinocereus*

Texas Blue Creek Canyon.
Y.H. Ferris # 526 C.

" " # 527

" " # 526

Texas

Y.H. Ferris

Wyoming

"Yours sometimes 3/4 in long"

Richard Kuschel

Mar. 17.

Texas Saba Co.

"Yours sometimes 3/4 in long, flowers about 2-3
across, pale yellow."

Panama

Collector unknown. n.s.g.H.

Mexico

Arcutt 1925: 418

" " 1925: 351

" " 1925: 473

" " 1925: 339

" " 1925: 396

" " 1925: 417

" " 1925: 336

" " 1925: 404

" " 1925: 349

25.98 *Opuntia grahamii*

25.99 *Echinocereus*

25.100 *Echinocereus*

25.101 *Echinocereus*

25.102 *Cassia*

25.103 *Myrtillocactus cochal* (Seed)

25.104 *Neomammillaria milleri* D+R.

25.105 *Phellosperma tetranostha*

25.106 *Phellosperma tetranostha*

25.107 *Phellosperma tetranostha* (Seed)

25.108 *Echinomastus intertextus*

25.109 *Opuntia*

25.110 *Echinocereus*

25.111 *Echinocereus*

25.112 *Sedum leophylloides* Rose

25.113 *Echeveria*

Texas, Terlingua
JH Ferris, 529a.

"

"

"

Big Bend.

"

528

"

"

529

Mexico, Jalisco

CA Purpus in 1925.

Lower California

EC. Root # 679.

"

"

823.

"

"

865

"

"

864

"

"

864

Texas, Davis Mts.

Apr. 1,

JH Ferris

"

"

"

"

"

"

Mexico, Victoria Tampo. ^{Rocky no-side} Mts to S. of
Robert Runyan # 28

Apr. 8.

"

"

29

col March - 25

- 25-114 *Corypantha palmeri*
 25-115 *Corypantha radicans* = *Hesperaloea* of *arcutii*
 25-116 *Ariocarpus trigonus*
 25-117 *Oligonia denegrii* Fric.
 25-118 *Agave*
 25-119 *Valeriana*
 25-120 *Mesembrianthemum linguiforme*
 25-121 *Echinocereus dasyacantha*
 25-122 *Echinocereus viridiflorus*
 25-123 *Opuntia*
 25-124 *Echinomastus intertextus*
 25-125 *Echinocereus viridiflorus*
 25-126 *Corypantha nemexicana*
 25-127 *Ferocactus uncinatus*
 25-128 *Echinocereus richentachii*
 25-129 *Zephyranthes*

- Mexico, Yammame; Sandy Lomas Mar 24
 Robert Runyon # 30
 " " # 31
 " " # 32
 " Sandy hills # 33
 " " # 35
 " "
 Green Home
 no data.
 Texas, near Alpine. Apr 12,
 J. H. Ferris # 532 C
 " " 532 B
 " " 532 A
 " "
 " Sierra Blanca
 " " 534 D
 " " 534 E
 " "
 " "
 Mexico, Monterey Apr 13
 Arcutt 1925: 576
 " " 1925: 560

- 25.130 (Umbell.)
- 25.131 *Pedilanthus*
- 25.132 *Coussipantha*
- 25.133 *Opuntia*
- 25.134 *Echinocereus*
- 25.135 *Echinocereus debortii* *Aphlocereus senilis*.
- 25.136 *Neomammillaria amoena*
- 25.137 *Coussipantha clava* Lam.
- 25.138 *Echinofossulocactus coptonogonus* Lawrence
- 25.139 *Echinofossulocactus coptonogonus* Lawrence
(Seed)
- 25.140 *Coussipantha sulcobanata* Lam.
- 25.141 *Neomammillaria*
- 25.142 *Coussipantha cornifera*
- 25.143 *Neomammillaria uncinata*
- 25.144 *Neomammillaria*
- 25.145 *Neomammillaria moelleriana*
Same as 24.79

- Mexico, Monterrey N.L. Apr 13
Orcutt. 1925: 671
- " , Yammare Tambo " 1925: 587
- " , Yammare valley " 1925: 556
- " " 1925: 584
- " " 1925: 581
- " Hidalgo
Alturo F. Moeller Apr. 6.
- " " 2
- " " 2 (R)
- " " 3
- " " -
- " " 4
- " Berenco mts 10 mi S.E. of San Pedro. 5
- " Hidalgo " 6
- " " 7
- " " 8
- " Durango " -

- 25-146 *Coryphantha* (red seed)
 25-147 *Echinocactus* (gray seed)
 25-148 *Coryphantha nemorensis*
 25-149 *Echinocereus paucispinus*
 25-150 *Coryphantha macromeris*
 25-151 *Echinocereus dasyacanthus*
 25-152 *Echinocereus*
 25-153 *Epiphyllum stenopetalum*
 25-154 *Acanthocereus floridanus*
 25-155 *Bauhinia coulteri* seed
 25-156 *Echinocereus dasyacanthus*
 25-157 *Echinocereus*
 25-158 *Chamaepitula scandens* (Seed)
 25-159 *Echinomastus ferrisii*
 25-160 *Echinocactus horizontalis*
 25-161 *Opuntia*

- Mexico, Hidalgo
 Alturo F. Moller
 " "
 " "
 Texas near Sierra Blanca
 J. H. Ferriss 533a
 " " 535 T
 " "
 " "
 " "
 " "
 Florida, Winter Park. introduced
 H. Sievert Apr 10
 " Common along road between Palm Beach & Miami
 " "
 Mexico, S.L. Potosi
 Orcutt 1924: 1831.
 Texas, near El Paso.
 J. H. Ferriss.
 Texas, Ft. Davis in the Davis Mts. Apr 17.
 H. L. Potter.
 Ecuador, Guaragual
 Prof. Stevens in 1924
 Texas, Uvalde
 A. P. Dodd #21
 " #25
 " #48

- 25-162 *Opuntia pleinal*
 25-163 *Echinocereus octacanthus*
 25-164 *Ariocarpus retusus*
 (Seed) plant: 25-178
 25-165 *Opuntia*
 25-166 *Opuntia*
 25-167 *Cephalocereus polygonus*
 25-168 *Opuntia Taylori* Britt + Rose.
 25-169 *Hyllocereus napoleonis* (Grub) D. R.
 25-170 *Selenicereus boeckmannii* (Ste) Britt + R.
 25-171 *Neomammillaria prolifera* (Mill) Britt + R.
 25-172 *Echinomastus*
 25-173 *Mammillaria*
 25-174 *Echinocereus*
 25-175 *Echinocereus longisetus*
 25-176 *Efossulocactus lloydi*
 25-177 *Coryphantha*

Texas, Uvalde

A. P. Dodd # 49

50

Mexico, San Luis Potosi

Orcutt

Haiti, Gonave

G. S. Miller

"

"

" San Michel

Limestone ridge at north edge of central plain alt. about 1500 ft March 15

"

"

"

"

"

"

Orcutt

"

L. Archais

March 10

"

Mexico

Orcutt 1925: 307

"

" : 307 1/2

"

" : 308

"

" : 309

"

" : 310

"

" : 311

- 25.178 *Eriocarpus retusus*
Seed = 25.164
- 25.179 *Echinocactus horizontalis*
- 25.180 *Neomammillaria chirocephala*
- 25.181 *Neomammillaria chirocephala*
Seed of the above
- 25.182 *Opuntia*
- 25.183 *Neolloidea conoidea*
- 25.184 *Echinocereus*
- 25.185 *Echinocereus*
- 25.186 *Opuntia microdasys?*
- 25.187 *Opuntia*
- 25.188 *Astrophytum asterias*
- 25.189 *Ferocactus*
- 25.190 *Echeveria*
- 25.191 *Sedum ternatum*
- 25.192 *Harrisia*
- 25.193 *Cereus hexagonus* (cult.)
(cult.)
L. Mill.

- Mexico
- Orcutt 1925: 315
- " " : 318
- " " : 320 in part.
- " " : 320 in part
- " " : 324
- " " : 326
- Mexico, Coah., Camero
- " " : 309
with underground stems
- " " : 320
- " " : 320
- " " : 330
- " " —
- " " —
- " " : 332
- Virginia Clarendon
Ralph Baldwin
- Holland, The Hague
A. Van Dijk. #1
- " " #2

- 25-194 *Echinopsis* (cult.)
 25-195 *Echinopsis* (cult.)
 25-196 *Echinopsis* (cult.)
 25-197 *Opuntia* (cult.)
 25-198 *Opuntia* (cult.)
 25-199 *Opuntia* (cult.)
 25-200 *Nopalium* (cult.)
 25-201 *Harrisia* (cult.)
 25-202 (cult.)
 26-203 (cult.)
 25-204 *Mamillot foetida* (seed)
 25-205 *Hippocrepis acapulcensis* (seed)
 25-206 *Quazuma ulmifolia* (seed)
 25-207 *Echinocereus pentalophus*
 25-208 *Echinocereus knippelianus*
 25-209 *Aphalocereus palmari*

- Holland, The Hague
 A. van Dijk. # 7
 " " # 8
 " " # 9
 " " # 10
 " " # 11
 " " # 13
 " " # 12
 " " # 4
 " " # 5
 " " # 6

Mexico

% Herrera

"

"

"

Orcutt 1925: 349

"

" : 396

"

" : 441

25. 226 *Echinofossulocactus octagonus*
 25. 227 *Neomammillaria decipiens*
 25. 228 *Thelocactus nidulans*
 25. 229 *Epithelantha micromeris* (Eng) Weber
 25. 230 *Echinocereus*
 25. 231 *Selaginella lepidota*
 25. 232 *Arvicarpus trigonus*
 25. 233 *Sedum lineare* Thunb. (Seeds)
 25. 234 *Coryphantha palmeri* B + R.
 25. 235 *Coryphantha*
 25. 236 *Neomammillaria candida*
 (Plant)
 25. 237 *Neomammillaria candida*
 (Seed)
 25. 238 *Echinofossulocactus*
 25. 239 *Echinofossulocactus coptonogonus*
 25. 240 *Leuchtenbergia principis*
 25. 241 *Amaryllis*
 (bulbs) (wild)

- Mexico S. Luis Potosi
 A.F. Moeller #12
 " " #13
 " " #14
 " n. Leon #15
 " Durango #16
 Mexico " -
 " " -
 Washington D.C. Bot. Gard. Native of Japan May 22
 H. N. Rose
 Mexico, San Luis Potosi
 A.F. Moeller #17
 " " #18
 " " #19
 " " #19
 " " #20+21
 " " -
 " " -
 Caracas Brazil
 Agnes Chase - May 28

- 25.242 *Amaranthus*
(wild bulbs)
- 25.243 *Cereus hexagonus*
- 25.244 *Acanthocereus floridanus*
- 25.245 *Composita aggregata*
- 25.246 *Opuntia versicolor*
- 25.247 *Echinocereus viridiflorus*
- 25.248 *Dudleya abramsii* Rose
- 25.249 *Opuntia*
- 25.250 *Panicum coeruleum* L.
- 25.251 " *herbertiana* Tundl.
- 25.252 " *edulis* Sims
- 25.253 " *rubra* L.
- 25.254 " "
- 25.255 " *navicata*?
- 25.256 " *legularis*

- Brazil, Serra de Gramma, Minas Gerais. May 28
Agnes Chase
- Florida, Winter Park. May 29
H. Siewert
- " " "
- Arizona, Oak Flat between the head of ^{Devils Canyon} Queen's Creek + May 25
A.R. Leding
- " " "
- Colorado, between Cherokee Park + Virginia Dale, northern Larimer Co. May 31
Edwin B. Payson
- California, Tehachapi mts. May
A. Davidson
- West Virginia, Harpers Ferry June 10
E. Wherry
- La Mortole, Italy (1459)
- " " (1461)
- Azores [B.P.I.] 1924
- Venezuela Pittier 11387 1925
[SP 51392]
- Colombia, Bogota - Killip 9721
- " Popayan Pennell & Bailey 6401

- 25.257 *Passiflora tryphostemmatoides*
 25.258 " *emarginata* HB.
 25.259 " *cheledonea* Mast.
 25.260 " *mollis* HBK.
 25.261 " *mauveita* (Juss.) Pers.
 25.262 ?
 25.263 *Passiflora*
 25.264 " *mexicana* (L.) Trin.
 25.265 *Amaryllis belladonna*
 25.266 *Mammillaria zuccariniana*
 25.267 *Echinocereus*
 25.268 *Echinofossulocactus tricuspidatus*
 25.269 *Echinofossulocactus*
 25.270 *Conyphartha cornifera*
 25.271 *Pachycereus marginatus*
 25.272 *Mammillaria decipiens*

- Colombia: La Cumbre Kaulip 5561
 " Dinto Garcia (P. K. 6982)
 " La Cumbre P. & K. 5752
 " " " 5657
 " San Andres " 6421
 " Popayan "
 Palmyra. Palmyra Killip 6199a
 Mexico: Monserate Purpus
 Africa, Cape Town May 14.
 R. Marloth
 Mexico
 Orcutt 1925.19
 "
 "
 " 1924: 1546.
 "
 " 1925: 88
 "
 "
 " 1924: 1540
 "

25.273 *Pelecyphea aseliformis*

Mexico

25.274 *Duraleya*

"

25.275 *Neomammillaria multiceps*

" n

25.276 *Coryphantha pectinata*

Texas, Pec

25.277 *Hamatocactus setispinus* Engelm. & R.

" Ho

25.278

25.279

25.280

25.281

25.282

25.283

25.284

25.285

25.286

25.287

25.288

25.278-25-286

Moeller

25.287 - 301

Orcutt

25.301 *Neomammillaria*

25.302 *Cephalanthus*

A.V. Fair - Mexico

May 12.

25.273 *Pelecypthera aseliformis*

25.274 *Dudleya*

25.275 *Neomammillaria multiceps*

25.276 *Coryphantha pectinata*

25.277 *Hamatocactus setispinus* Engelm. & R.

25.278

25.279

25.280

25.281

25.282

25.283

25.284

25.285

25.286

25.287

25.288

Mexico

Orcutt 1925: 71

"

"

-

" near Yauzare

✓ Orcutt & Runyon.

Texas, Pecos, near Rio Grande

J. H. Ferriss 516.

Mar 12.

" Home Top Mountain, Southern Texas

"

517.

25,289

25,290

25,291

25,292

25,293

25,294

25,295

25,296

25,297

25,298

25,299

25,300

25,301

25,302

25,303 *Coryphantha mexicana*

25,304 *Echinocereus*

El Paso Texas
Charles Hammond,
" " (2nd)

25,305 *Echinocereus chloranthus*

25,306 *Neolloydia concolor*

25,307 *Mimipoda*

25,308 *Neobessya similis*

25,309 seeds = " " "

25,310

25,311 seeds of 25,310

25,312 *Echinocereus*

25,313 *Opuntia macrochrysa*

25,314 *Dium*

25,315 *Opuntia frederici*

25,316 *Delonix pumila*

25,317 *Daphne mezereum* L
Dead

25,318 *Clusia minutata* Regel.

25,319 *Neomammillaria*

25,320 *Neomammillaria*

El Paso Texas 1925

C. Hammond, No 2

Notes

C. R. Orent # 1032

Kingville Texas 1925

Robert Runyon.

Huntville, Texas (6 miles west of)

S. R. Harnes

"

"

"

rems Bishop. Texas 1925

Texas, Cadmus

S. R. Harnes

Chiapas Mexico

Dr. E. A. Purpus

F. C. Lloyd July 1925

Monterrey B.C.

Dr. A. Davidson

Tehachafe Mts Los Angeles Cal 1925

Gen. Wilcox

my state

South Africa U.S. Dept. Agric.

25,318.

Mexico

Orent # 1133.

1925: 958.

- 25-321 *Echinocereus chloranthus*
 25-322 *Echinocereus viridiflorus*
 25-323 *Echinocereus standleyi*
 25-324 *Cacotaria tuberculosa*
 25-325 *Dioon tulleyii* Rose n. sp.
 25-326 *Sedum anglicum* Huds.
 25-327 *Sedum multiceps*
 25-328 *Sedum amplexicaule* DC.
 25-329 *Sedum dasycphyllum oblongifolium* Bel.
 25-330 *Sedum dasycphyllum glanduliferum* Morris
 25-331 *Sedum albicifolium* Ait.
 25-332 *Sedum stoloniferum* Griseb.
 25-333 *Sedum adolphi*
 25-334 *Sedum ellasiombianum* Raeyn.
 25-335 *Sedum verloti* Jordan
 25-336 *Umbilicus oppositifolius*

Texas

Chas. Hammond

July 31

"

"

"

"

"

"

Mexico

Mexican Embassy

France

Rec. Aug. 19, 1915

- 25.337 *Sedum altissimum* Poir
- 25.338 *Sedum dasysphyllum glandulosum* Maire
- 25.339 *Sedum chabeaudi*
- 25.340 *Sedum winkeri* Wollg. Prod.
- 25.341 *Sedum brevifolium* DC.
- 25.342 *Sedum turkestanicum* Regel.
- 25.343 *Sedum luteolum* Chab.
- 25.344 *Umbilicus pendulum* DC.
(*Tubercula*)
- 25.345 *Sedum gypsicolum* Bois
- 25.346 *Sedum amecamecardanum* Raezer.
- 25.347 *Sedum primulaoides* Blanchet.
- 25.347 *Sedum stribonji* Kilm.
- 25.348 *Sedum indicum*
- 25.349 *Sedum picardi*
- 25.350 *Sempervivum atlanticum* Bol.
- 25.351

France.

Mexico. Mich.
Arenas

- 25-352 *Mammillaria collina*
 25-353 *Echeveria*
 25-354 *Mammillaria dealbata*
 25-355 *Mammillaria*
 25-356 *Echinopsalocactus*
 25-357 *Agave*
 25-358 *Mammillaria*
 25-359 *Echeveria mucronata* Schott
 25-360 *Echeveria glauca*
 25-361 *Sedum spathulifolium*
 25-362
 Orijo de Buero
 25-363 *Opuntia*
 25-364 *Opuntia*
 25-365 *Ferocactus chrysacanthus* (Grutt.) R. & R.
 25-366 *Echinocereus maritimus* Jones) Sch.
 25-367 *Opuntia cholla* Weber

- Mexico
 Orcutt 1925-1484
 " " 1487
 " " 1531
 " " 1535
 " " 1536
 " " 1670
 " " 1672
 " " 1733
 " " 1852
 " " 1853
 " " 1855
 Lower California, Guadalupe Is. Apr. 20
 H. L. Mason 1547
 " Clarion Is. Apr. 29
 " " 1593
 " Cedis Island June 3
 " " 2005
 " " 2007
 " " 2043 June 6

- 25-399 Neomammillaria milleri
 25-400 Neomammillaria
 25-401 Opuntia (2)
 25-402 Coryphantha
 25-403 Mammillaria pseudo-perbella
 25-404 Echeveria
 25-405 Gymnocalycium
 25-406 Ferocactus alamosanus
 25-407 Ferocactus covillei
 25-408 Ferocactus townsendianus
 25-408^b Ferocactus townsendianus
 (seed)
 25-409 Ferocactus falcatus Orcutt
 25-410 Ferocactus
 25-411 Ferocactus
 25-412 Coryphantha
 25-413 Neomammillaria sheldonii R+R.

- Arizona, Phoenix.
 R.G. Haskett.
 " "
 " "
 Tortugas, Florida.
 Paul Bartsch
 Mexico
 Orcutt 1925: 1879
 Germany
 Bödeker Köln & Rhein.
 Peru, Dist of Allantaitarubo Prov. Murbamba ^{act} 2900m
 F.L. Herrera # 710
 Colorado
 Cockerell
 Mexico, Sonora
 Y. G. Orsego 5794 Aug.
 " " 5796
 " Lower California
 " 5797
 " " seed of 5797
 " -
 " " 5800
 " Sinaloa
 " 5801
 " " 5802
 " Sonora
 " 5745
 " " 5734

25.414 *Neomammillaria*

25.415 *Neomammillaria frailei* D+R.

25.416 *Neomammillaria*

25.417 *Neomammillaria*

25.418 *Neomammillaria*

25.419 *Neomammillaria*

25.420 *Neomammillaria*

25.421 *Neomammillaria*

25.422 *Neomammillaria*

25.423 *Neomammillaria*

25.424 *Neomammillaria*

25.425 *Neomammillaria*

25.426 *Neomammillaria*

25.427 *Neomammillaria*

25.428 *Neomammillaria*

25.429 *Neomammillaria*

Mexico, Sonora

J. G. Ortega 5235

Mexico, Lower California

" 5236

" I.M.

" 5237

" Sonora

" 5238

"

" 5239

"

" 5240

"

" 5241

"

" 5242

" -

" 5243

"

" 5244

" im

" 5247

" Sonora

" 5248

"

" 5249

"

" 5280

"

" 5281

" Sinaloa

" 5282

25.430	<i>Neomammillaria</i>	Mexico, Sinaloa	J. G. Ortega 5783
25.431	<i>Neomammillaria</i>	Mexico, "	" 5784
25.432	<i>Neomammillaria</i>	Mexico, "	" 5785
25.433	<i>Neomammillaria</i>	Mexico, "	" 5786
25.434	<i>Neomammillaria</i>	Mexico, "	" 5787
25.435	<i>Neomammillaria</i>	Mexico, "	" 5788
25.436	<i>Neomammillaria</i>	Mexico, Sonora	" 5789
25.437	<i>Neomammillaria</i>	Mexico, "	" 5790
25.438	<i>Neomammillaria</i>	Mexico, "	" 5791
25.439	<i>Neomammillaria</i>	Mexico, "	" 5792
25.440	<i>Neomammillaria</i>	Mexico, Durango	" 5793
25.441	<i>Neomammillaria</i>	Mexico, Sonora	" 5830
25.442	<i>Cochemia</i>	Mexico, "	" 5807
25.443	<i>Aphelocereus purpusii</i> B+R	Mexico, Sinaloa	" 5815
25.444	<i>Hyllocereus</i>	Mexico, "	" 5818
25.445	<i>Pachycereus pringlei</i>	Mexico, Sonora	" 5821

25.446 *Imaireocereus thurberi*

25.447 *Sedum*

25.448 *Opuntia abiculata*

perhaps 04.276, 04.426, 05.514, 09.318, n 12.164

25.449 *Escobaria chaffeyi* (Tota Fric)

25.450 *Possiflora palmieri*

25.451 *Cotyledon umbilicus teneris*

25.452 *Crassulaceae*

25.453 *Echeveria coccinea*

25.454 *Echeveria*

25.455 *Dolichotheca sphaerica* B&R.

25.456 *Neomammillaria microcarpa* B&R.

25.457 *Coryphantha neomexicana* B&R.

25.458 *Thelocactus bicolor* B&R.

25.459 *Echinocereus*

25.460 *Echinocereus*

25.461 *Echinocereus*

Mexico, Sonora

Y. G. Ortega 5123.
Mt. Blanc, France Kilip 13023 8/4/25

Dr. G. H. U.S.D. Agri

Sept.

Mexico

Fric
Yucatan - Gummer 23671

South Florida (Nat. Murres)

Oct 5.

David Fairchild

Mexico

Orcutt 1925: 2213.

" 1925: 2244

" 1925: 2310

Texas, Laredo

Alan, P. Dodd. 56

Aug 27.

Arizona, Tucson

" 70

" Pinaline Mts

" 108

Texas, Marathon

" 109

" , Uvalde

" 52

" , Devil's River

" 51

Arizona, southern

" 119

- 25-462 *Echinocereus*
- 25-463 *Echinocereus*
- 25-464 *Ferocactus covillei* B+R.
- 25-465 *Ancistrocactus brevipalmatus* B+R.
- 25-466 *Escobaria tuberculosa* (Engelm.) B+R.
- 25-467 *Coryphantha macromeris* B+R.
- 25-468 *Echinocereus fendleri* Engelm.
- 25-469 *Opuntia kunzii* Rose
- 25-470 *Opuntia*
(cult.)
- 25-471 *Opuntia*
- 25-472 *Opuntia*
- 25-473 *Opuntia*
- 25-474 *Opuntia*
- 25-475 *Opuntia*
- 25-476 *Opuntia*
- 25-477 *Opuntia*

- Arizona, northern, Mormon Lake Aug 27.
- Alon P. Dodd 77
- California, southern, Cuyamacca
- " 89
- Texas, Fort Davis
- " 85
- " , Walde
- " 106
- " , Shafter
- " 113
- " , Sanderson
- " 102
- " , Shafter
- " 111
- Arizona, Pinalino mts.
- " 82
- Texas, Walde
- " 55
- New Mexico, Carlsbad
- " 60
- " 61
- Arizona, southern, Huachuca mts.
- " 64
- " , Bisbee
- " 74
- " , northern, Mormon Lake
- " 79
- " , Globe
- " 81
- Texas, Sanderson
- " 92

- 25.478 *Opuntia*
 25.479 *Opuntia*
 25.480 *Opuntia*
 25.481 *Opuntia*
 25.482 *Macrozamia demisoni*
 (Lud)
 25.483 *Amaranthus*
 (Lud)
 25.484 *Neomammillaria denuda*
 25.485 *Selenicereus boeckmannii*
 25.486 *Selenicereus vagans*
 25.487 *Coryphantha neomexicana*
 25.488 *Echinocereus designatus*
 25.489 *Lunaria annua* L.
 25.490 *Coryphantha*
 25.491 *Opuntia polyacantha*
 (one planted Decatur Heights Md)
 25.492 *Opuntia fragilis*
 (" ")
 25.493 *Leucophyllum texanum*

- New Mexico, northern, Cimarron Aug 27
 Alan P. Dodd 96
 " " Tace 98
 Colorado, Trinidad " 99
 Colorado " " 100
 Australia, Queensland Aug 7, 1924
 Brazil Summit of Tera da Gramma
 P.H. Rolfs.
 Texas, El Paso Oct 13.
 Chas Hammond
 California, Los Angeles Cult. Sept 15.
 H.M. Wegener & L. Griffith.
 " " "
 " " "
 Texas C. Hammond (with 25.484)
 Texas " "
 Virginia PR. Monroe
 California, Riverside CC. Yalga
 Alberta, Brooks Oct 12
 T. E. Lloyd.
 " " "
 " " "
 US Dept. Agri G. House. Nov. 3.

25.494 *Dudleya goldmanii*

25.495 *Sedum spatulifolium* HBK.

(one in garden Decatur Heights Mt. O.C.K.)

25.496 *Oprembia engelmannii* ?

25.497 " *fuscata* Engelm

25.498 " " "

25.499 " *macbridei*

25.500 " "

25.501

25.502

25.503

25.504

25.505

25.506

25.507

25.508

25.509

California, Little San Bern. lower course of north fork.
D.F. MacDougal.

Oct. 26

Texas, Brewster Co

Muntzen #147

" Dean Bennett

137

" Deakey

141

" Dallas

126

Rock Springs

136

25.520

Small tree

25.521

Butt stack

25.522

Chisel

25.523

cut

25.524 Dudleya

25.525 Crassula

25.526 Graptopetalum ruschii

25.527 Echeveria

Cryco Peru

General

1925

California, Victorville near Barstow

Nov.

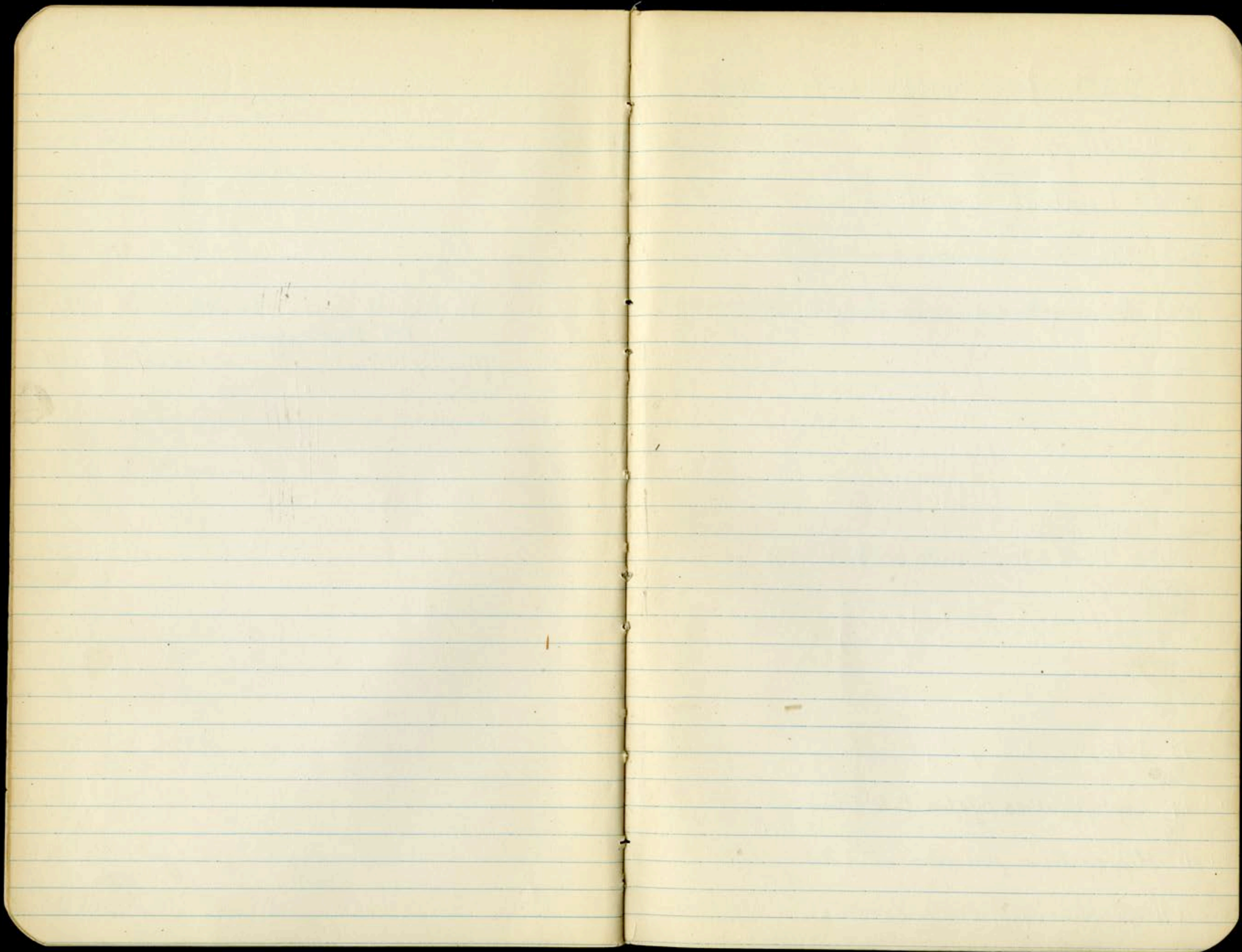
D.T. McElroy

Missouri, Mo. Bot. Gard.

Arizona, Superior

Cult.

Buchanan.



26.1 Echinocereus reichenbachii Haage

26.2 Phellospoma tetracontia (Engelm) B & N

26.3 Dudleya compacta

26.4 ~~Plectroseria~~

26.5 ~~Poinsettia~~

26.6

26.7

26.8

26.9 Echeveria

26.9a (sent by Anna W. Kidder (Apr 10 '26))

26.10

26.11

26.12 = 26.5a

26.13 Sclerocactus polyancistrus

26.14 Zephyranthes bifolia (Kuhl) Roem.

bull.

26.15 Hippeastrum puniceum (Lam) Wb.

bull.

26.16 Hippeastrum puniceum (Lam) Wb.

bull.

Oklahoma, near Sulphur

Wm E. Branch Jan 6 1926

Locaton Arizona

A.R. Ludwig Feb 16, 1926

San Francisco, Cal

A. W. Kidder Feb 14 26

~~Chile to Brazil Cilantro Joseph 2826~~

~~Peru + Honora~~ See #s 26.73 + 26.74

California, Cult.

Anna W Kidder 3/10 26.

California?

E. C. Root

3/15

Haiti, Gros Morne. Dry thicket, fl reddish purple

E.C. Leonard 9785

3/7

" Marmelade. In soil, border of thicket on cliff.

" 8323

12 25

" " Coffee plantation

8076

12 25

- 26.17 *Zephyranthes bifolia* (Pohl) Roem. Bulb
- 26.18 *Hymenocallis ~~multiflora~~ arenicola* Nathrop. Bulb
- 26.19 *Bletia florida* R.Br. orchid bulb.
- 26.20 *Bletia patula* Hook. orchid bulb
- 26.21 *Bletia florida* R.Br. orchid bulb.
- 26.22 *Epidendrum cochleatum* L. Orchid bulb.
- 26.23 *Canna coccinea* Mill. Fleshy roots?
- 26.24 *Oncidium variegatum* Sw. plants
- 26.25 *Rhoeo discolor* (L'Her) Kane. base of plant.
- 26.26 *Pachira*
this plant died Scale fumigation twigs
- 26.27 *Bryophyllum calycinum* Salisb. Scale fumigation twigs
- 26.28 *Annona reticulata* L. One plant Sept 1926. seed.
- 26.29 *Mirabilis jalapa* L. seed
- 26.30 *Carica papaya* L. germinating Apr 23, 1926. seed
- 26.31 *Hura crepitans* L. germinating Apr 23, 1926. Specimen July 13, 1926. Seed
- 26.32 *Terminalia catappa* L. Seed.

- Haiti, Marmelade, Open summit of mountain fl. bright red. $\frac{12}{20}$ 25
E.C. Leonard 8378
- " Dondon, Coffee plantation fl. white fragrant $\frac{1}{9}$ 26
" 8759
- " Marmelade, Steep grassy mountain slope fl. purple. $\frac{12}{19}$ 25
" 8203
- " St Michel, Mt. Platanmar, dry grassy slopes fl. bright purple $\frac{12}{23}$ 25
" 7790
- " Dondon, Open grassy ridge fl. purple. $\frac{1}{8}$ 26
" 8751
- " Marmelade, rocks, chicket on summit of mt. $\frac{12}{20}$ 25
" 8380
- " Pilate, piled on edge of field by natives $\frac{2}{11}$ 26
" no number.
- " Gros Morne on bush tree, fl. light purple $\frac{2}{17}$ 26
" 9901
- " Ennery, rocky banks. $\frac{2}{3}$ 26
" 9480
- " Vicinity of Thor. Large tree, fl. red. $\frac{2}{28}$ 26
" 10124
- " " " $\frac{2}{27}$ 26
" no no.
- " Gros Morne, Tree about 20 ft. $\frac{2}{17}$ 26
" 9819
- " Ennery fl. purple & white $\frac{1}{12}$ 26
" no #
- " Gros Morne, fruit purchased from native Feb 16, 1926
" no #
- " Ennery $\frac{1}{31}$ 26
" no #
- " " $\frac{2}{9}$ 26
" 9585

- 26.33 *Bixa orellana* L.
 (Seed)
- 26.34 *Canna coccinea* Willd.
 Seed
- 26.35 *Bletia florida* R.Br.
 Orchid.
- 26.36
 Seed. 2g.
- 26.37 *Epidendrum bifidum* Aubl.
 Orchid.
- 26.38
 Cutting
- 26.39 *Sansevieria gurneensis* Willd.
 leaf
- 26.40 *Tillandsia*
- 26.41 *Tillandsia*
- 26.42 *Tillandsia*
- 26.43 *Tillandsia*
- 26.44 *Tillandsia*
- 26.45 *Tillandsia*
- 26.46 *Tillandsia*
- 26.47 *Tillandsia*
- 26.48 *Tillandsia*

- Haiti, Ennery. Feb. 1926.
 E. C. Leonard 10022a
- " Marmelade. $\frac{12}{20}$ 25
 Dry landing July 13, 1926 " No #.
- " St. Michel. Grassy slope of Mt. La Sidre. $\frac{10}{16}$ 25
 " 8031
- " " " no # 19 25
- " St Raphael. antree $\frac{12}{2}$ 25
 " 7669
- " Gros Morne, in yard. $\frac{7}{8}$ 26
 " 9992
- " Plaisance, dry slope along stream $\frac{1}{2}$ 26
 " 9278
- " Gros Morne, in tree, $\frac{3}{8}$ 26
 " 10014
- " Ennery, in tree $\frac{3}{4}$ 26
 " 9525
- " Palate, in tree $\frac{7}{11}$ 26
 " 9691
- " Ennery, in tree $\frac{3}{4}$ 26
 " 9524
- " Ennery, on rocks. $\frac{3}{8}$ 26
 " 9580
- " Ennery, on rocks. $\frac{1}{21}$ 26
 " 9104
- " Ennery, on ground in dense thicket $\frac{3}{8}$ 26
 " 9539.
- " Gros Morne, on tree, dry thicket $\frac{7}{18}$ 26
 " 10017
- " Gros Morne, in tree $\frac{2}{16}$ 26
 " 10016

- 26.49 Tillandsia
- 26.50 Sedum dasyphyllum
- 26.51 Sedum anglicum
- 26.52 Sedum
- 26.53 Sedum
- 26.54 Begonia
- 26.55 Cassia (seed)
- 26.56 Opuntia polyacantha
- 26.57 Conyphorthe robustispina
- 26.58 Sedum
- 26.59 Dudleya
- 26.60 seeds
- 26.61 Opuntia opuntia
- 26.62 seed
- 26.63 Ipomoea vil. Y. seed
- 26.64 seed
- Haiti, Gros Morne Antee
E.C. Leonard 10015 $\frac{2}{17}$ 26.
- California (France)
Anna W. Kidder #1 $\frac{3}{13}$
- " (Germany)
" #2
- " (origin unknown)
" #3
- " #4
- Mexico, Hacienda Zacuapam, Huatusco, Ver.
C.A. Purpus
- Mexico
C.A. Purpus 10579
- Canada, Craigville Dist.
A.H. Brinkman #1831? July 11, 1925
- Arizona, Open desert S.E. of Tucson between ^{the Santa Rita Mts.} Continental and
G.J. Harrison & A.R. Leding
- California, The Desert Garden, Escondido
W.J. Beecroft
- California, San Geronimo Pals between White water + Calago
L.R. Abrams
- Mexico, Vera Cruz
C.A. Purpus in 1925
- Long Island
Mina Marshall
- Haiti, St. Michel (planted March 16, 1926)
E.C. Leonard 8529 $\frac{1}{2}$ 26.
- Haiti, St. Michel
" 2084a $\frac{1}{17}$ 25
- Haiti, St. Michel
" 2074 $\frac{1}{17}$ 25

26.65 *Phaseolus lunatus* L. (Seed)

26.66 *Ipomoea quinquefolia* L. (Seed)

26.67 Dead 5/14/16 (Seed)

26.68 *Ipomoea meyeri* (Sprung) G. Don. (Seed)

26.69 (Seed)

26.70 (Seed)

26.71 (Seed)

26.72 *Dioscorea pinnata*

26.73 *Alstroemeria*

26.74 *Passiflora pinnatistipula*

26.75 *Echinocereus*

26.76 *Tillandsia*

26.77 *Echinocereus*

26.78 *Echinocereus*

26.79 *Ferocactus*

26.80 *Dudleya*

Haiti, St. Michel E.C. Leonard 8484 $\frac{11}{26}$ '26

Haiti, St. Raphael " 7703 $\frac{12}{3}$ '26

Haiti, St. Raphael " 7699 $\frac{12}{3}$ '25

Haiti, St. Raphael " 7675 $\frac{12}{3}$ '25

Haiti, St. Michel " 8497 $\frac{12}{26}$ '25

Haiti, Ennery " 8765 $\frac{12}{26}$

Haiti, St. Michel " 8517 $\frac{1}{26}$

Mexico, Pampas 1925 See 25.378

Chile, La Prada Claude Gouph 2826 } Removed from #26.4 & 26.5, A.W. Kiddle's nos.

Penn Herrera

Texas, Brownsville B.C. Sharp

" " B.C. Sharp

Texas, Brownsville Robert Runyon Apr 17

" " " " " "

Arizona near Kingman Mrs. Chas. Bly. Apr 30

Arizona, Southwestern Arboretum Boyce Thompson #1

- 26.81 *Echeveria*
(native of Mexico)
- 26.82 *Graptopetalum rusbyi*
- 26.83 *Lophophora williamsii*
- 26.84 *Echinocereus stramineus*
- 26.85 *Echinomastus*
- 26.86 *Neomammillaria macdougalii*
- 26.87 *Coryphantha vivipara*
- 26.88 *Echinocereus baileyi*
- 26.89 *Echinocereus*
- 26.90 *Acer rubrum* L.
- 26.91 *Oudleya collomae*
- 26.92 *Crassula arborescens*
- 26.93 *Furocactus covillei* S+R.
- 26.94 *Furocactus wislizeni* (Engelm.) S+R.
- 26.95 *Neomammillaria macdougalii* Rose
- 26.96 *Echinocereus rigidissimus* (Engelm.) Rose.

- Arizona, Southwestern Arboretum
Boyce Thompson #2
- " " #3
- Texas Houston
Col. M. L. Crimmins May 4
- New Mexico, Hot Springs
Herbert L. Potter Apr. 27
- Texas, El Paso
" " " "
- Arizona, Sells, Bureau of Plant Industry
Frank A. Thackeray May 7
- Oklahoma
Robert F. Manda May 3
- " " " "
- " " " "
- Virginia, Clarendon
Ralph B. " "
- Arizona, Layton
Rose E. Callow May 4
- Florida
Blake " "
- Arizona, Sells
Frank A. Thackeray June 1
- " " " "
- " " " "
- " " " "
- " " " "

26.97 *Coryphantha aggregata* (Engelm.) B. & R.

26.98 *Echinomastus erectocentrus* (Cult.) B. & R.

26.99 *Echinocereus rigidissimus* Rose.

26.100 *Coryphantha* aff. *aggregata*

26.101 *Echinomastus erectocentrus*

26.102 *Cephalocereus senilis*

26.103 *Audleya collomae*

26.104 *Tradescantia macrantha*

26.105 *Sempervivum palmense*

26.106 *Zephyranthes carinata*

26.107 *Coryphantha vivipara*

26.108 *Opuntia polyacantha*

26.109

26.110 *Echinocactus*

dead Oct 1926

26.111 *Mammillaria*

26.112 *Cereus geometrizans*

Arizona, Sells.

Frank A. Thackeray.

June 1

Arizona Sells Batognivari Mts.

M. French Gilman #1

June 8

"

#2

"

#3

Mexico

of S. M. Scott.

June 9

Arizona, Payson

Mrs. W. B. Collom.

June 16

Texas?

Recd. lost.

Spain, ^{Gibraltar} seed rec. from P. Fairchild, yacht *Utowana*,
inspection house.

June 11

Cult.

E. C. Powell

June 11

Kansas, Tribune

C. R. Ball

June 26

New Jersey, West Orange (Cult.)

R. F. Manda #1

June 26

"

#2

"

#3

"

- 26.129 Ferocactus johnsonii Britt + Rose.
 26.130 Ferocactus acanthodes Britt + Rose.
 26.131 Echinocereus fendleri
 26.132 Neomammillaria grahamii
 26.133 Aporocactus flagelliformis
 26.134 Opuntia basilaris
 26.135 Opuntia hystricina
 26.136 Echinocereus caespitosus
 26.137 Echinocereus pectinatus
 26.138 Opuntia
 26.139 Ferocactus johnsonii
 (seed of 26.129)
 26.140 Opuntia atrispina
 26.141 Opuntia mackensenii Rose.
 26.142 Opuntia tortispina Engelm.
 26.143 Opuntia tortispina Engelm.
 26.144 Coryphantha echinus (Britt. + Rose)

- New Jersey Orange (Arizona)
 Manda #1
 "
 "
 " (Arizona)
 " (Arizona)
 "
 " (Arizona)
 " Arizona
 " no 1
 "
 "
 " Texas
 " # 2.
 " Arizona
 " # 1 (seed)
 Texas, E. Mortensen # 1
 " Leabery # 2
 " Fort Worth # 3
 " " # 4
 " " # 6
- July 10.

26.145 *Opuntia*

26.146 *Beschermeria*

26.147 *Urceolina*

det

26.148 *Agave sartorii*

26.149 *Nemastylis*

26.150 *Cypella peruviana* Baker

26.151 *Gephyranthes lunulata* Killip, type

26.152 *Boschmania*?

26.153 *Opuntia pagels*

26.154 *Pedum Kessleri* Danks ex Arn

26.155 *Lenophyllum*

26.156 *Lenophyllum*

26.157 "

26.158 *Agave utahensis* Engelm

26.159 *Euphorbia*

26.160 *Diron tilleyi*

Texas Douglas

E. Mortensen #7.

Mexico, Zacuapan

C.A. Purpus 10669^{ca}

Mexico, Zacuapan.

C.A. Purpus.

Rio Blanco, Peru - Macbride & Featherstone 829

Mito, Peru " " 1724

Peru T.L. Herrera

Zacuapan, Mexico

C.A. Purpus

Aug. 1926

Humboldt Club, Grangeville Co. Wash.

V. Bailey

Aug 26, 1926

27 of Bishop Creek Inyo Co. Cal.

Mr. Kessler (3621).

1926

Peru (det. herb)

Peru " "

Peru " "

Grand Canyon, Ariz. J.E. Sturdevant Sept. 10, 1926

U.S. Botanical Gardens

Irish Inver

Ma. Kessler

1926

- 26.177 *Opuntia stanleyi* Engelm.
- 26.178 *Opuntia phaeacantha* Engelm.
- 26.179 *Opuntia phaeacantha* Engelm.
- 26.180 *Opuntia polyacantha* Haw.
- 26.181 *Echinocereus polyacanthus* Engelm.
- 26.182 *Opuntia polyacantha* Haw.
- 26.183 *Echinocereus viridiflorus* Engelm.
- 26.184 *Echinocereus polyacanthus* Engelm.
- 26.185 *Coryphantha nemoralis* (Engelm.) B. & R.
- 26.186 *Opuntia viridiflora* Britt + Rose.
- 26.187 *Echinocereus triglochidiatus* Engelm.
- 26.188 *Opuntia polyacantha* Haw. **Nov 4, 1926**
- 26.189 *Echinocereus triglochidiatus* Engelm.
- 26.190 *Coryphantha nemoralis* (Engelm.) B. & R.
- 26.191 *Coryphantha nemoralis* (Engelm.) B. & R.
- 26.192 *Opuntia polyacantha* Haw.

- N. Mexico, Santa Fe. Aug 27, 1926;
Bro Arsine # 9.
- " " # 10
- " " # 11
- " " # 12
- " " # 14
- " " # 15
- " " # 16
- " " # 17
- " " # 18
- " " # 19
- " " # 20
- " " # 21
- " " # 22
- " " # 23
- " " # 24
- " " # 26

26.193 *Echinocereus triglochidiatus* Engelm.

26.194 *Echinocereus polyacanthus* Engelm.

26.195 *Opuntia imbricata* DC.

26.196 *Opuntia polyacantha* Haw.

26.197 *Echinocereus polyacanthus* Engelm.

26.198 *Opuntia polyacantha* Haw.

26.199 *Neomammillaria meiacantha* (Engelm.) B & R

26.200 *Echinocereus viridiflorus* Engelm.

26.201 *Echinocereus triglochidiatus* Engelm.

x 26.202 *Orypolis*

26.203 *Epithelantha*

26.204 *Echinocactus*

26.205 "

26.206 "

26.207 "

26.208 "

New Mexico, Santa Fe

Aug 27, 1926.

Bro. Arsene # 27

"

" # 28

"

" # 29

"

" # 30

"

" # 31

"

" # 32

"

" # 33

"

" # 34

"

N. Va. 2 mi S of Rumbleburg (intersection of N.W. Highway & ^{# 35} ~~Rumbleburg road~~) 1400-1500 ft. alt.
E.S. Steele Sept 28, 1926

V. Branden

" "

" "

" "

" "

" "

- 26.209 *Echinocactus*
 26.210 *Neomammillaria*
 26.211 " "
 26.212 *Ferocactus*
 26.213 *Neomammillaria*
 26.214 " "
 26.215 " "
 26.216 *Anhalonium milliamii*
 26.217 *Cephalocereus senilis*
 26.218 *Claytonia parvifolia*
 26.219 Rhoeo Dead Nov 4. 1926
 26.220 *Hymenocallis*
 26.221 *Sedum revii*
 26.222 *Hoffmannseggia jamesii* (seed)
 26.223 *Wisteria*
 26.224 *Moringa campestris*

V. Warden

" "

" "

Mex. Embury.

" "

" "

" "

" "

" "

California

R. E. MacDougal.

Aug 2, 1926

J. B. Blake

Oct. 19, 1926

Yucatan

E. L. Crandall.

1925

Texas

Thorp 4402

DC.

J. N. Rose

Texas

Thorp 4382

- 26.225 *Echinocactus johnsonii*
- 26.226 *Peneocereus gregii*
- 26.227 *Harrisia longlandii*
- 26.228. *Sempervivum setaliferum.*
- 26.229. " *tectorum*
violaceum
- 26.230. " *fimbriatum*
- 26.231. " *arachnoides*
- 26.232. *Crassula* #1.
- 26.233. *Sedum.* #2.
- 26.234. *Crassula* #3
- 26.235. *Polypodium phyllitidis*
- 26.236. *Episcendrum cochleatum.*
- 26.237 *Opuntia macrocentra*
- 26.238 *Neomammillaria johnstonii*
- 26.239 *Neomammillaria lloydii*
- 26.240 *Sedum neri* ~~wherryi~~ ~~patrim~~ ~~W.S.~~
- 27.1 *Begonia heracleifolia*

Arizona & New Mexico.

C.R. Orcutt

Mexico, Gomez Palacio

Oct. 20

Theo. Schwarz

Calif. Cult. Los Angeles

Oct. 12

H.M. Wegener

N.Y. Bot. Garden.

N.Y. Bot. Garden.

N.Y. Bot. Garden

N.Y. Bot. Garden

Florida, ^{Fort Myers} Mrs. Florence A. Standley

Florida, ^{Fort Myers} Mrs. Florence A. Standley

New Mexico, Mountain Park

James Allen

Köln, Germany (cult.)

Fr. Bodeker

Mexico, Chiapas, roadside in moist shady places
C.A. Purpus

- 27.18 *Coryphantha arizonica* Arizona, near Twin Buttes, Pima Co. Jan 15.
E.B. Bartram.
- 27.19 *Echinocactus sokrensis* Chile, Santiago
Alfredo Frazar, Dr. Aldrich.
- 27.20 *Hymenocallis* Yucatan E. L. Crandall
- 27.21 *Hymenocallis?* Yucatan E. L. Crandall
- 27.22 *Crinum* Yucatan E. L. Crandall
- 27.23 P. Yucatan E. L. Crandall
- 27.24 ? Yucatan E. L. Crandall
- 27.25 *Sempervivum schottii* France: W. R. Lucas
- 27.26 *Sempervivum requienii* France: W. R. Lucas
- 27.27 *Sempervivum fulchellum* France: W. R. Lucas
- 27.28 *Sempervivum murale* France: W. R. Lucas
- 27.29 *Sempervivum sabaudum* France: W. R. Lucas
- 27.30 *Homaloccephala texensis* Texas: Sandy plains near Post City Jan. 1927.
Albert Ruth. 1465
- 27.31 *Lithops mundii* Frolich Germany, Mahlsdorf cult.
W. Mund.
- 27.32 *Lithops pseudotruncatella* Berger "
- 27.33 *Anacamptis tomentosa* Berger "

- 27.34 *Quizotia abyssinica*
- 27.35 *Cassia alata*
(Seed)
- 27.36 *Passiflora*
(Seed)
- 27.37 *Chamaecrista*
(Seed)
- 27.38 *Pachyrhizus erosus* L. Nut.
(Seed)
- 27.39 *Galactia burchii* Nut.
(Seed)
- 27.40 *Indigofera viscosa* Lam.
(Seed)
- 27.41 *Teramnus uncinatus* (L.) Sw.
(Seed)
- 27.42 *Mirabilis jalapa* L.
(Seed from plants with pale flowers.)
- 27.43 *Acacia*
(Seed)
- 27.44 *Mimosa biencifera*
(Seed)
- 27.45 *Neomammillaria grahamii*
- 27.45^a *Neomammillaria microcarpa* Br. & R.
(Seed)
- 27.46 *Coryphantha arizonica*
- 27.47 *Echinocereus rigidissimus*
- 27.48 *Coryphantha arizonica*

- Blake #1.
Mexico, Monserate
CA Purpus
- Brazil
Chore 9548.
- Haiti, Mt La Mine, St Michel.
Leonard 7228
- Haiti, Abolaye Plantation, St Michel.
Leonard 7173.
- Haiti, Mt La Mine, St Michel.
Leonard 7327.
- Haiti, Mt La Mine, St. Michel
Leonard 7331.
- Haiti, Mt La Ciche, St. Michel
Leonard 7612^a.
- Haiti, Ennery
Leonard Jan. 1926 no. #
Nov. 15, 1926
- Arizona
E.B. Bartram
- Arizona
E.B. Bartram
Jan. 22, 1927.
- Arizona, Twin Buttes, Pima Co.
E.B. Bartram
Jan. 26, 1927
- "
"
- "
"
- Arizona, Texas Canyon, Dragoon Mts, Cochise Co.
"
- "
"

- 27-49 *Echinocereus fendleri* Arizona, Texas Canyon, Dragon Mt., Cochise Co.
C.B. Bartram
- 27-50 *Ferocactus* Arizona
(Seed)
- 27-51 *Dudleya* California Santa Ana Canyon 35 mi S.E. Los Angeles.
Ernest Brauntton.
- 27-52 *Dudleya* California "
- 27-53 *Mammillaria baronii* Köln Germany
Fr. Bodeker.
- 27-54 *Leucaena palmeri* Mexico, Western
M.G. Ortega 6627
- 27-55 *Dudleya* California; San Diego Co. Imperial Beach. ^{San Diego} 14 mi S.W.
L.H. Bailey
- 27-56 *Opuntia bigelovii* Engelm. California, San Diego Co.
L.H. Bailey.
- 27-57 *Dudleya collmanii* Arizona, Payson.
Rene E. Callow.
- 27-58 *Agave* "
- 27-59 *Ferocactus* "
- 27-60 *Neomammillaria mainae* Arizona, Baboquivari Mt.
Mr. M. French Gilman 1
- 27-61 *Neomammillaria olivae* " " 2
- 27-62 *Neomammillaria viridiflora* B+R " " 3
- 27-63 *Neomammillaria microcarpa* " " 4
- 27-64 *Ferocactus* California
S.B. Parish

- 27.65 *Neomammillaria olivacea*
Seed.
- 27.66 *Amaryllis belladonna*
- 27.67 *Testudinaria glauca*
- 27.68 *Bergerocactus emoryi*
- 27.69 *Tierocactus johnsonii*
white spines.
- 27.70 *Tierocactus johnsonii*
red spines
- 27.71 *Roseocactus lloydii* (Perc) Berger.
- 27.72 *Roseocactus lloydii* (Perc) Berger
- 27.73 *Opuntia*
- 27.74 *Coryphantha*
- 27.75 *Epithelantha micromeris*
- 27.76 *Astrophytum asteris*
- 27.77 *Escobaria lloydii*
- 27.78 *Echinofossulocactus multicoctatus*
- 27.79 *Echinofossulocactus multicoctatus*
- 27.80 *Thelocactus bicolor* B+R.

Arizona; Baboquivari Mts.
M. French Gelman #2

Africa, Cape Town
R. Marloth.

California, Canyon near La Yolla along Sea Feb. 24
L. H. Bailey.

Arizona
E. C. Rost

"
" "
Mexico (northern)
A. F. Moeller #1

#2.

#3

#4

#6

#7

#8

#9

#10

" { #2

27.81 *Dudleya pulcherrima*

27.82 *Stylophyllum edule*

27.83 *Stapelia variegata*

27.84 *Stapelia hirsuta*

27.85 *Echeveria imbricata*

27.86 *Cotyledon macranthum*

27.87 *Stapelia grandiflora*

27.88 *Stapelia maculosoides*

27.89 *Stapelia revoluta*

27.90 *Stapelia atro-purpurea*

27.91 *Stapelia hanburyana*

27.92 *Echeveria purpurascens*

27.93 *Kalanchoe marmorata*

27.94 *Echeveria gussonei*

27.95 *Kalanchoe somaliensis*

27.96 *Echeveria secunda-glaucosa*

California, Canyon near La Jolla along sea Feb. 24
L. H. Bailey

Australia (not from Australia but from the botanical
garden at Sydney probably)
Edwin Ashby. # 10

"

" # 14

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" # 3

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" # 16

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" # 11

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" # 15

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" # 6

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" # 18

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" # 1

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" # 19

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" # 2

- 27.97 *Echeveria bracteolata*
 27.98 *Echeveria retusa-floribunda*
 27.99 *Echeveria*
 27.100 *Echeveria*
 27.101 *Echeveria gibbiflora - metalica*
 27.102 *Sedum*
 27.103 *Sedum*
 27.104 *Stylophyllum*
 27.105 *Dudleya grandiflora* Rose
 27.106 *Opuntia*
 27.107 *Echinocereus*
 27.108 *Neomammillaria*
 27.109 *Neomammillaria*
 27.110 *Echinocereus viridiflorus*
 27.111 *Coryphantha mexicana*
 27.112 *Echinocereus*

Australia

- Edwin Ashby # 4.
 " # 7.
 " # 8
 " # 9
 " # 5

lives out all winter on Buttermilk St
 near Walter Reed Hospital in a concrete urn no
 protection collected later part of Feb. by W. R. Lucas

California

Ernest Branston

California. gravel pit between Garnett + Widewater near Soledad Pacific Ry.
 Frank A. Thackeray.

New Mexico, Las Vegas.

Bro. Arcene 39.

- "
 " 40.
 " 41. (= 42)
 " 42
 " 43
 " 45
 " 47

Note
 # 38 # 44 + 46
 were dead.

27-113 *Opuntia*

27-114 *Opuntia polyacantha*

27-115 *Echinocereus*

27-116 *Echinocereus*

27-117 *Echinocereus*

27-118 *Coryphantha neomexicana*

27-119 *Echinocereus*

27-120 *Echinocereus*

27-121 *Caesalpinia*

(Seed)

27-122

27-123 *Echinocactus johnsoni lutescens*
(Seed - red lemn)
= 17.67

27-124 *Biptadenia peregrina*

27-125 *Opuntia*

27-126 *Sempervivum haworthii*

27-127 *Sempervivum haworthii*

27-128 *Hudleya*

New Mexico

Bro Arceine 48 (= 39)

" 49

" 50

" 51

" 52

" 53 (= 44)

" 54 (= 43)

" 55 (= 43)

Jamaica

Orcutt 136

" 144

Nevada, near Searchlight.

M.E. Jones & S.B. Parish.

Porto Rico

Britten 3986.

Argentina

Comber 3 % a Hill of Peru

California

W.D. Beecroft

27.129 *Sedum pachyphyllum*

27.130 *Sedum aureum* ?

27.131 *Crassula lycopodioides*

27.132 *Senecio pugioniformis*

27.133 *Phellosperma tetrancistra* (Engelm) B+R

27.134 *Acanthoseris*

27.135 *Phellosperma tetrancistra* (Engelm) B+R

27.136 *Cassia*

27.137 *Mesembryanthemum adscendens*

27.138

(orchid.)

27.139

27.140

27.141 *Lemaireocereus*

27.142 *Cephalocereus*

27.143 *Hylocereus*

27.144 *Opuntia dillenii*

California

W.J. Rees.

"

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"

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Arizona, near Phoenix.

Mrs. W.B. Collom.

Florida Dr. T.C. Corbett

Arizona

Mrs. W.B. Collom.

Africa, French Guianas, Ronapuy, Fore Caral. March 16, 27
Dr. David Fairchild. SPI. 20899 FH 67350.

Uruguay

Mrs. Luis Guillet S.P.I. 66812.

Mexico; Achatla, Guerrero

Jan. 1927

B.P. Ribo 5126

"

" 5125

" Cerro del Gallo

" 5123

" Achatla

" 5112

" Rio ?

" 5127

" Achatla

" 5122

Florida, Siesta Key, just below Sarasota
Henry Goodman.

27.145 *Harrisia simpsonii*

27.146 *Hechtia*

27.147 *Beaucarnea recurvata*

27.148 *Hamstroa* ~~reticulata~~ *Boulby* ^{reud.}

27.149 *Begonia hydrocotylifolia* O + H.

27.150 *Begonia*
aff. vicinifolia

27.151 *Begonia*

27.152 *Echinocereus berlandieri*

27.153 *Neomammillaria*

27.154 *Neomammillaria*

27.155 *Neomammillaria wilcoxii*

27.156 *Graptopetalum bartramii*

27.157 *Echinomastus erectocentrus*

27.158 *Campylantha*

27.159 *Stapelia handburyana*

27.160 *Stapelia variegata*

Florida, Siesta Key, just below Sarasota.
Henry Goodman.

Mexico Vera Cruz, common on rocks.

Ca Pampas

Mexico " , common on rocks

" -

" "

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" "

Texas, S.A.

Mrs. Eugene A Harris
Arizona (northwestern) Baboquivari Mts.
Edwin B Bartram

" "

" "

" "

" "

" Texas Canyon, Dragoon Mts.

" " Baboquivari Mts.
M. French Gilman.

Harvard Bot. Gard.

"

- | | | | |
|--------|---|------------|---|
| 27.161 | <i>Stapelia angulata</i> | - | Harvard Bot Gard. |
| 27.162 | <i>Stapelia</i> sp. | - | " |
| 27.163 | <i>Euphorbia pentagona</i> | - | " |
| 27.164 | <i>Malacocarpus tetracanthus</i> | Argentina | A. V. Fric. |
| 27.165 | <i>Malacocarpus tridactylatus</i> Fric + Sch. | " | " |
| 27.166 | <i>Opuntia</i> | Uruguay | # 3 |
| 27.167 | <i>Opuntia</i> | " | # 5 |
| 27.168 | <i>Agave atrovirens</i> | Mexico | Purpus. |
| 27.169 | <i>Agave sartorii</i> | " | " |
| 27.170 | <i>Beschermeria</i> | " | " |
| 27.171 | <i>Agave</i> | " | " |
| 27.172 | <i>Agave miradorensis</i> | " | " |
| 27.173 | <i>Dudleya</i> | Arizona | Mormon Flats, abundant on rocky hillsides
G. H. Namson + R. H. Peck 3892 / J. H. Kearney |
| 27.174 | <i>Brynesia weinbergii</i> | California | San Francisco (cult)
Eric Walther. |
| 27.175 | <i>Dioon edule</i> | Mexico | Hacienda Zucrapan, Huatusco, Veracruz ^{apr. 21}
C. A. Purpus |
| 27.176 | <i>Cactus</i> | Colombia | Ciudad 215 m alt. and land Mar 23
Kilip + Smith 21027. |

- 27.143 *Echeveria*
 27.144 *Sempervivum*.
 27.145 *Neomammillaria*
 27.146 *Asterophytum asterias* Lem.
 27.147 *Ancistrocactus of berichamatus*
 27.148 *Hamatocactus setispinus* Britt + Rose
 27.149 *Echinocereus reichenbachii* Haage & Gr.
 27.150 *Echinocereus*
 27.151 *Escobaria dasyacantha* Britt + Rose.
 27.152 *Lophophora williamsii* Connt.
 27.153 *Ancistrocactus of scheeri*
 27.154 *Feroactus uncinatus* Britt + Rose.
 27.155 *Echinocereus lacteus* ?
 27.156 *Neomammillaria denudata* Britt + Rose.
 27.157 *Neolloydia texana* Britt + Rose
 27.158 *Neomammillaria*

California cult.

Eric Walther.

Texas, near Marathon.

Jan.

- Fred H. Hall # 1.
 " Hills north of Rio Grande City
 " " # 2.
 " 7 mi west of " # 3.
 " 5 mi west of Thompsonville # 4.
 " near Austin # 5.
 " North of Rio Grande City # 6.
 " Near Marathon # 7.
 " Hills north of Rio Grande City # 8.
 " 5 miles west of Thompsonville # 9.
 " near Marathon Edegar Hall # 10.
 " " " # 11.
 " " " # 12.
 " " " # 13.
 " " Castell
 Fred H. Hall. # 14

- 27-159 *Wilcoxia tuberosa* B+R.
 27-160 *Coryphantha neomexicana* Britt + Rose.
 27-161 *Ferocactus hamatacanthus* Britt + Rose.
 27-162 *Echinocereus*
 27-163 *Echinocereus*
 27-164 *Echinocereus*
 27-165 *Sempervivum haworthii*
 27-166 *Opuntia*
 27-167 *Neomammillaria heydeni* B+R.
 27-168 *Echinocereus pentaloplus*
 27-169 *Escobaria*
 27-170 *Ferocactus hamatacanthus* B+R.
 27-171 *Homaloccephala texensis* B+R.
 27-172 *Hamatocactus setispinus* B+R.
 27-173 *Dolichothela sphaerica* B+R.
 27-174 *Ancistrocactus scheeri* B+R.

- Texas, 5 miles north of Rio Grande City Jan.
 Fred H. Hall # 15.
 New Mexico, near Orogrande May
 C.E. Martin # 16.
 Texas, near Marathon. Jan.
 Edgar Hall # 17.
 New Mexico, near Orogrande May.
 C.E. Martin # 18
 " " Jan.
 " # 19
 Texas, near Marathon
 Edgar Hall # 20
 California Cult. June 4.
 E. Walther
 California, Banning
 M. French Gilman.
 Texas, Laredo June 2
 V. J. Shiner # 1
 " # 2
 " # 3
 " # 4
 " # 5
 " # 6
 " # 7
 " # 8

- 27.175 *Echinocereus*
 27.176 *Pompeda*
 27.177 *Anastrocactus bertinii*
 27.178 *Sansevieria quinquevittata* (Young) Willd.
 27.179
 27.180
 27.181
 27.182
 27.183
 27.184
 27.185
 27.186
 27.187 *Sedum*
 27.188 *Dudleya virgens* Rose
 27.189 *Agave*
 27.190 *Hamatocactus setispinus* (Engelm.) B. & R.

Texas, Laredo.

V.J. Skinner #9.

S. Co. near Comden.

Wm. H. ...

Argentina Rio Negro

Dominican Rep.

Wetmore.

M. J. Peckshild St. Mary's Convent

Sister Mary Regina #1

"

#2

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#7

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#8

Mexico

Mrs Anna W. Kidder

"

"

Texas, between Rio Grande + Sanfordyce

Robert Runyon.

Texas 5 mi. W. of Thompsonville

Fred. H. Wall # 21

June 27.

- | | | | | |
|--------|---|--|--------------------|----------|
| 27.191 | <i>Neomammillaria micocarpa</i> (Engelm) B&R. | N. Mex., Near Hachita, (Wyde Park, Floral Co.) | C. E. Martin # 22 | June |
| 27.192 | <i>Ferocactus</i> | Texas Near Marathon | Edgar Hall # 23 | Jan. |
| 27.193 | <i>Opuntia</i> | N. Mexico, Socorro, | C. E. Martin # 24 | June. |
| 27.194 | <i>Echinocereus rigidispinus</i> (Engelm) Rose. | Arizona, Tucson | C. E. Martin # 25 | June |
| 27.195 | <i>Echinocereus reichenbachii</i> Hoage Y. | Texas, Marathon | Edgar Hall # 26 | Jan. |
| 27.196 | <i>Carnegiea gigantea</i> (Engelm) B&R. | Arizona, Tucson | C. E. Martin # 27 | June |
| 27.197 | <i>Coryphantha echinus</i> (Engelm) B&R. | Texas, Marathon | Edgar Hall # 28 | Jan. |
| 27.198 | <i>Echinocereus</i> | " | C. E. Martin # 29 | June. |
| 27.199 | <i>Echinocereus chloranthus</i> Engelm. | " | C. E. Martin # 30 | Jan. |
| 27.200 | <i>Escobaria tuberculosa</i> (Engelm) B&R. | " | C. E. Martin # 31 | June. |
| 27.201 | <i>Echeveria ^{micrantha} oreulata</i> | Mexico (^{Nonwoody} Cult. Ohio) | Belden C. Sauer. | July 19. |
| 27.202 | <i>Coryphantha aff. pycnacantha</i> | Mexico, Plains of Oriental, Puebla | C. P. Pampus # 20. | July 20 |
| 27.203 | <i>Neomammillaria</i> | " | " # 21 | |
| 27.204 | <i>Neomammillaria</i> | " Plains of Oriental, Puebla | " # 22 | |
| 27.205 | <i>Neomammillaria</i> | " Plains of Real del Monte, Hidalgo | " # 23 | |
| 27.206 | <i>Neomammillaria</i> | " | " # 24 | |

27. 207 *Neomammillaria*
 27. 208 *Neomammillaria*
 27. 209 *Neomammillaria mystax* (mat) B. & P.
 27. 210 *Neomammillaria*
 27. 211 *Neomammillaria*
 27. 212 *Neomammillaria*
 27. 213 *Agave*
 27. 214 *Agave*
 27. 215 *Aloe vulgaris*
 27. 216 *Begonia*
 27. 217 *Echinopsis*
 27. 218 *Sedum album* L.
 27. 219 *Manfreda*
 27. 220 *Yucca*
 27. 221 *Aechmea*
 27. 222 *Agave rigida*

- Mexico, Oaxaca
 Ca. Purpus 25.
 " Real de Monte. Hidalgo
 Ca. Purpus 26.
 " Plains of Oriental
 Ca. Purpus -
 "
 " Perote, Vera Cruz
 "
 " Plains + hillsides of Oriental, Puebla
 "
 " hillsides Oriental, Puebla
 "
 " Tehuacan
 "
 Mexico. D.F.
 Md. cult. Justav. Bassler.
 Y.B.S. Norton.
 Loc.?
 Popenoe # 3.
 Ja, Whigham Eric Hawthorne.
 Jamaica, Montego Bay
 Oseult 2212
 Mexico
 Purpus
 Jamaica
 Oseult.

27. 223

27. 224 *Opuntia jamaicensis*

27. 225 *Lemaireocereus*

27. 226 *Cercis arizonensis* B+S.

27. 227 *Coryphantha arizonica* (Engelm.) B+S.

27. 228 *Cactus harenensis* (Miquel)

27. 229 *Echinocereus fendleri*

27. 230 *Peniocereus greggii*

27. 231 *Neomammillaria macrocarpa*.

27. 232 *Neomammillaria muscdongali*

27. 233 *Rhipsalis cassutha*

27. 234 *Mammillaria*

27. 235 *Mammillaria*

27. 236

27. 237

27. 238

Jamaica

C.R. Orcutt 2436

"

" 2445

"

" 2531.

Arizona, Gr. Canyon
Glen E. Sturdevant.

Arizona
Mrs. W. B. Collom.

Cuba

Pro Leon.
Arizona, Douglas to Tombstone
H. A. Kuesche.

"

"

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"

Jamaica

C.R. Orcutt.

Arizona Sells Exp. Sta

"

Oct.

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"

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27.239
 27.240
 27.241
 27.242
 27.243
 27.244
 27.245
 27.246
 27.247
 27.248 *Neomammillaria cocasana*
 27.249 *Cereus tricoloratus*
 27.250 *Plenrothallis*
 27.251
 (ambid)
 27.252 *Stelis*
 27.253

Arizona - Sells, Exp. Sta.

Oct.

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Calif. Alhambra

E.C. Rost 709 N. Stoneman

Oct 27.

Texas, Brewster Co. Glen Spring.

Oct 27.

G. Z. Fisher, 610 Hadley Ave. Houston, Tex

Mexico, Ind. Durango.
 Pikes

California

H.M. Wegener

212 E 24th St Los Angeles.

Mexico.

Purpus

"

"

"

"

"

"

from 27.216
 E.C. Rost
 709 N. Stoneman
 Alhambra
 Calif

27.254

(Orchid)

27.255 *Pleurothallis*

27.256

(Orchid)

27.257

(Orchid)

27.258

(Orchid)

27.259 *Milcovia poseelgeri*

27.260 *Opuntia leptocaulis*

27.261 *Agave*

27.262 *Agave americana*

27.263 *Manfreda variegata*

27.264 *Echinocereus*

27.265 *Aloe*

27.266 *Manfreda*

27.267 *Manfreda*

27.268 *Opuntia schottii*

27.269 *Stapelia variabilis*

Mexico

Pampas.

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"

on branches.

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"

Texas, Laredo

V.J. Skinner #10

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" #11

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" #16

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" #19

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" #20

Nov 29.

27.270 Schlumbergera russelliana

27.271 Echinocereus reichenbachii

27.272 Hamatocactus setispinus

27.273 *Cylindropuntia* ~~arborescens~~ ~~var. setispinus~~

Texas, Laredo.

V. J. Shiner # 21.

22.

NY Bot Gard.

Dr. N. L. Britton

Dec. 29.

- 28.1 *Dahlia coccinea*
(cult.)
- 28.2 " "
(seed)
- 28.3 " "
(seed)
- 28.4 *Opuntia*
- 28.5 *Stapelia variegata crenata*
- 28.9 *Opuntia opuntia*
- 28.10 *Opuntia opuntia*
- 28.11 *Coryphantha neomexicana* (Engl.) Hook
- 28.12 *Coryphantha arizonica* (Engl.) Britt + R
- 28.13 *Coryphantha robustispina* (Schott) Britt + R
- 28.14 *Echinocactus horizontalis* Lemée
- 28.15 *Dudleya*
- 28.16 *Harrisia*
- 28.17
- 28.18 *Dudleya pulverulenta*
- 28.19

- Mexico
- " C.A. Purpus
- " "
- " "
- Cal. Los Angeles (cult)
Frank South
- " "
- Ill. Desplains R. at Channahon on limestone
Ralph O Baird #1
- Ill. Braidwood in dunes
" #2
- N. Mexico (central)
James Allen
- Arizona, Grand Canyon
Glen E. Sturdevant Mar. 22
- Arizona
Edwin B. Bartram Mar. 21
- "
- California, Hospital Rock, Sequoia Nat. Pk. Mar. 26
L.R. Abrams
- Dominican Republic near Montecristo Apr. 1, 1928.
Miller
- California San Luis Obispo
Miss Gertrude Simshimer Apr. 24.
- "

28.20 *Dudleya*

28.21 *Sedum*

28.22 *Crossulaceae*

28.23 *Crossulaceae*

28.24 *Crossulaceae*

28.25 *Cactus*

28.26 ~

Arizona, Sierra Estrella

Apr. 19.

R. H. Peebles.

Arizona mts above Payson 6000 ft alt. Apr.
Mrs W.B. Collins.

California; San Luis Obispo Co.
Miss Gertrude Sinsheimer.

"

"

"

"

Cuba. Paul Bartsch

July 1928

"

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"

"

—1929—

29.1 *Echinocereus Baileyi* Rose

Texas: South of Ranger, Vernon Bailey,
coll. May 1, 1929.

1930

30.1 *Raiis colorado* from Dr. Harrington
grow for identification

30.2 *Solanum* sp. Zuni reservation
W. New Mexico, F. H. Roberts
Aug. 1930

30.3 *Nemostylis lyonnetii* Morton n. sp.
bulb from Lyonnet 271

1931

31.1 *Oreobroma hechneri*
6 plants received from
Frank Gabrielson on
Jan. 25, 1931

1933

- 33.1 *Dudleya collonae* Rose
33.2 " "
33.3 " "
33.4 " "
33.5 " "
33.6 *Oreobroma heckeri* Morton
33.7 *Sedum obtusatum* Gray

Payson Arizona June 1933 by Miss Collins

"
"

"

"

Tamity Mts. Calif. July 1933 John Hecker

"

1934

34.1 *Neomamillaria selciana* (Lam.) B+P

Mell's label reads "On fresh
rocks in twigs"

34.2 *Neomamillaria* sp.

Mell's label reads "This is a small
The clusters are sometimes on
rocks (limestone) either in dry
streambeds."

34.3 *Dudleya colhouae*

34.4 *Dudleya*

34.5 *Dudleya*

34.6 "

1935

35.1 *Zamia*

Chivela, Oaxaca. Mar. 19, 1934 C. D. Mell, coll.
limestone, occurring usually single,

Chivela, Oaxaca. Apr. 19, 1934 C. D. Mell, coll.
sprout from a cluster of a dozen or more.
Large as a man's head. They occur on
or wet places, occasionally in

Near Payson, Arizona, coll. by Mrs. Rose E. Collins
Spring 1934

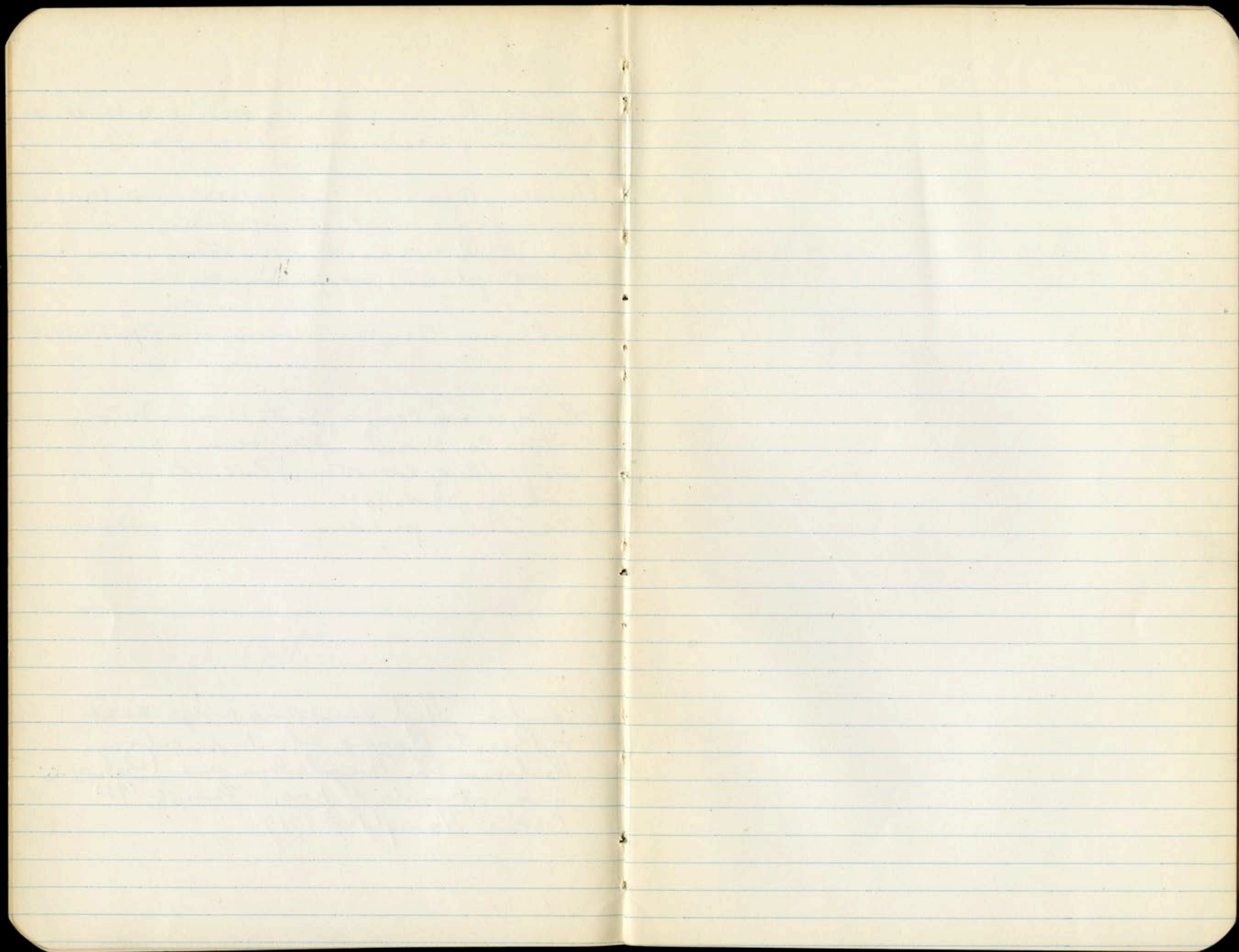
Has pale flowers?

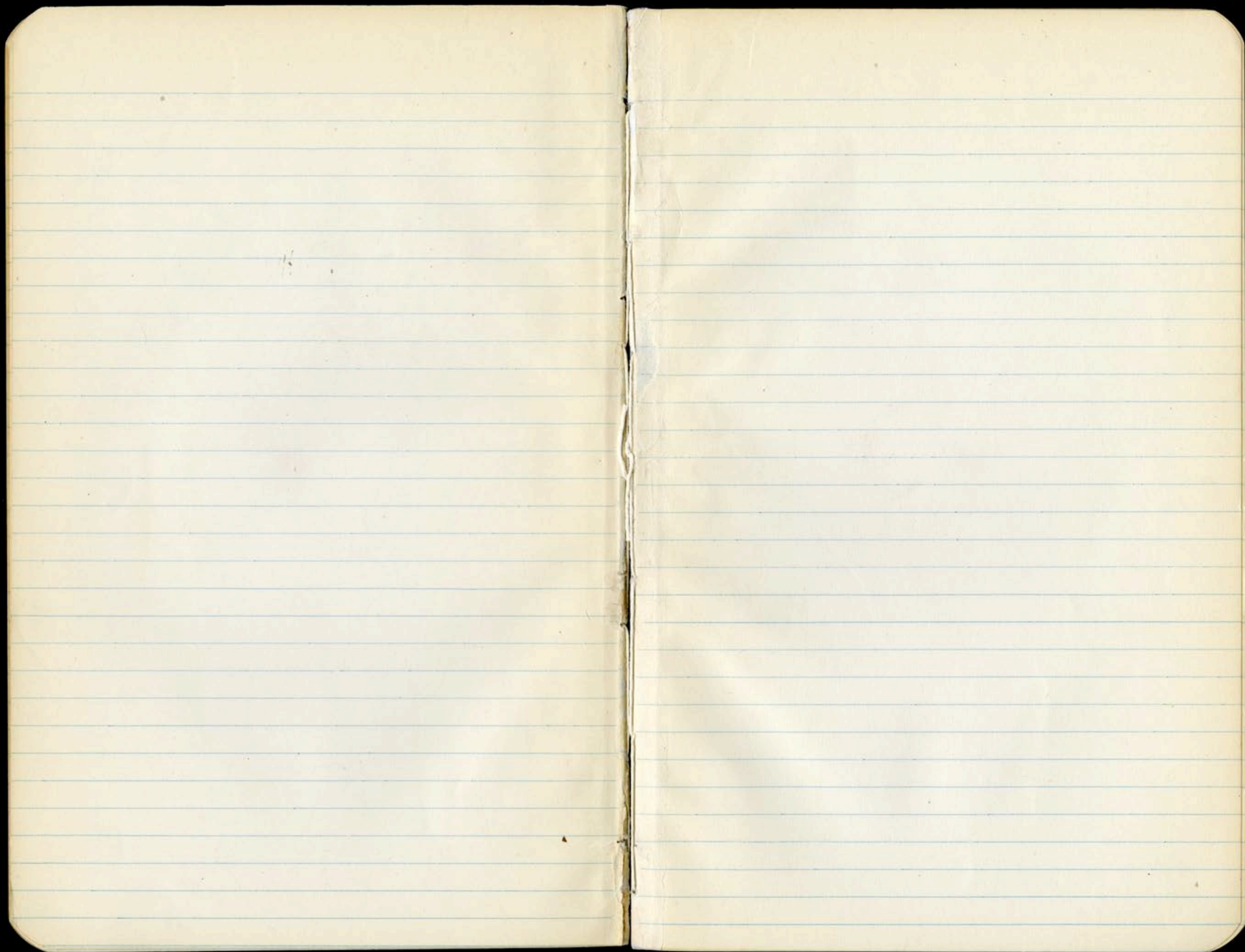
Little Sycamore Canyon, Santa Monica Mts.,
Ventura Co., 5 miles from ocean. See
note in file of *Comptonia*. Coll. Ellen
Rooksby, July 1934.

Data same as preceding

" " " "

Colombia: "High sandstone ridge east
of Puerto Berrio, about midway
between the Magdalena and Cabrari;
very abundant here." May 18, 1935.
Oscar Haught #1717.





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