

Hinton List.

Copy sent Mr. Hinton  
Apr. 18, 1939

(11)

all entered  
6/25/41  
R.G.S.

- ✓ 4795 *Desmanthus virgatus* (L.) Willd.
- ✓ 6885 " " " "
- ✓ 7693 *Mimosa aculeaticarpa* Ortega
- ✓ 6546 *Mimosa mistecana* J. P. Bradey.
- ✓ 8485 " *somnians* Humbt. + Bonpl.
- ✓ 4381 " *Calbera* Karst.
- ✓ 8068 " " "
- ✓ 6298 " *distachya* Cav.
- ✓ 10746 *Inga edulis* Mart.
- ✓ 4142 *Acacia Coulteri* Benth.
- ✓ 11187 *Pedilanthus Palmeri* Millsp.
- ✓ 11058 " " "
- ✓ 10255 " " "
- ✓ 4840 *Eupharbia dioscoreoides* Baill.
- ✓ 6924 " " " ?
- ✓ 4770 *E. graminea* Jacquin
- ✓ 1772 *E. "* "
- ✓ 5101 *E. californica* Rose
- ✓ 1787 *E. dioscoreoides* Baill.
- ✓ 1751 *E. "* "
- ✓ 1475 *Schrankia distachya* Moc. + Less in DC.
- ✓ 5865 *Pithecollobium unguis-cati* (L.) Mart
- ✓ 7756 " " " "
- ✓ 7806 *Calliandra bijuga* Rose
- ✓ 5417 *Acacia acatlensis* Benth
- ✓ 3747 " " "
- ✓ 5507 *Acacia macilenta* Rose
- ✓ 1757 *Acalypha hypogaea* S. Watson
- ✓ 4405 *A. ocymoides* HBK ?
- ✓ 4596 " " " "

entered  
6/25/41

- √5377 *Acacia filicioides* (Cav.) Trel.
- √7872 *Aeschynomene compacta* Rose.
- √312 *Diphysa racemosa* Rose
- √1580 *Cologania grandiflora* Rose
- √10656 " *pulchella* HBK.
- √10957 *Centrosema pubescens* Benth.
- √5836 *Coursetia glandulosa* A. Gray
- √7291 *Myrospermum frutescens* Jacq.
- √1182 *Rhynchosia potosina* Brandegee
- √5605 *Phaseolus vulgaris* L.
- √623 " *obvallatus* Schlecht.
- √10927 *Ramiszella Buseri* (Micheli) Rose
- √9350 " *strobilophora* (Robinson) Rose
- √1989 " " " "
- √6603 *Tephrosia littoralis* (Jacq.) Pers.
- √2281 *Dalea nutans* (Cav.) Rose
- √3692 *Dalea nutans* (Cav.) Rose
- √5856 *Indigofera Palmeri* Watson ? (no leaves).
- √5173 *Tpomoea Tuerckheimii* Vatke
- √6543 " *Robinsonii* House
- √5002 " *minutiflora* (Mart. & Gal.) House.
- √4817 *Operculina rubicunda* House
- √4991 *Quamoclit coccinea* (L.) Moench.
- √4606 *Tpomoea purpurea* (L.) Roth.
- √6525 " *decasperma* Hallier f.
- √3434 " *tiliacea* (Willd.) Choisy
- √5511 " *batatas* (L.) Poir.
- √2164 " *igualensis* Weatherby
- √2177 *Jacquemontia pentantha* (Jacq.) Don
- √6638 " " " "
- √5124 " *azurea* (Desr.) Choisy
- √4704 " " " "

*D. submontana*  
(Rose) Bullock fide  
Bullock  
Kew Bull  
p. 198 (1939)

entered 6/25/41  
Bgg.

Hinton List - 3 -

- ✓ 5243 *Eupatorium Holwayanum* Robinson  
 ✓ 2815 " " "  
 ✓ 3336 " *mairetianum* DC.  
 ✓ 2551 " *hebebotryum* (DC.) Hemsl.  
 ✓ 2486 " " " "  
 ✓ 5185 *Crotalaria sagittalis* L., var. *Blumeriana* Senn. ined  
 ✓ 6498 " *filifolia* Rose  
 ✓ 4717 " " "  
 ✓ 1290 " *eriocarpa* Benth.  
 ✓ 2205 *Stevia rhombifolia* HBK.  
 ✓ 4537 " *elator* HBK. var. *dissoluta* (Schlecht.) Robinson  
 ✓ 4964 *Crotalaria molliscula* HBK. var. *Schaffneri* Senn ined.  
 ✓ 10843 " *vitellina* Ker  
 ✓ 10352 " " "  
 ✓ 2417 *Vernonia capreaefolia* (Sch. Bip.) Gleason  
 ✓ 2724 " " "  
 ✓ 5320 *Verbesina Klattii* Robinson & Greenman  
 ✓ 2763 " " "  
 ✓ 2469 " *perymenioides* Sch.-Bip.  
 ✓ 2425 " " "  
 ✓ 2469 " " "  


---

 ✓ 6521 *Pectis capillaris* DC.  
 ✓ 6677 " " "  
 ✓ 6606 " *linifolia* L.  
 ✓ 4797 " *propetes* Greenman  
 ✓ 2509 " " "  
 ✓ 5944 " *canescens* HBK.  
 ✓ 6472 " " "  
 ✓ 1270 " *dichotoma* Klatt  
 ✓ 6450 *Zinnia Tenella* Robinson  
 6316 " *maritima* HBK.

Entered  
6/25/41

## Hinton List -

} 41

- ✓ 6207 *Melampodium oblongifolium* DC.  
 ✓ 1661 " *gracile* Less.  
 ✓ 2038 *Liabum Palmeri* Gray  
 ✓ 3286 *Brickellia laucifolia* Rob. & Greenman  
 ✓ 3063 " "  
 ✓ 4546 *Bidens pilosa* L. var. *bimucronata* (Turcz.) D. E. Schulz  
 ✓ 1786 *Cosmos caudatus* HBK.  
 ✓ 6745 " " "  
 ✓ 4790 " " "

Entered 6/25/41

Mexican Grasses collected by George B. Hinton  
(Acc. no. 158298)

Identified by A. Chase, U. S. National Museum, October 1943

- ✓ 913. *Agrostis Schaffneri* Fourn.
- ✓ 1062a. *Panicum hirticaule* Presl
- ✓ 1338. *Agrostis Schaffneri* Fourn. mixed with *A. Verticillata* Vill.
- ✓ 1807. *Paspalum Hintonii* Chase (type)
- ✓ 1987. *Muhlenbergia Emersleyi* Vasey
- ✓ 2317. *Peyritschia koelerioides* (Payr.) Fourn.
- ✓ 2702. *Leptochloa dubia* (H.B.K.) Nees
- ✓ 2702a. *Eragrostis pectinacea* (Michx.) Nees
- ✓ 10801. *Panicum biglandulare* Scribn. & Smith

none in Gray Herb.

Sociedad Cooperativa de Producción de Minerales  
"MINERAL DEL RINCON SECCION 45" S. C. L.

NUM. DE REGISTRO DE LA SECRETARIA DE LA ECONOMIA NACIONAL: 830-P.

FECHA DE CONSTITUCION:

5 DE DICIEMBRE DE 1939.

MINA EL RINCON

VIA TOLUCA MEX.

IDENTIFICATIONS BY DR H.A.GLEASON

NEW YORK BOTANICAL GARDEN

106  
30

- 14700 *Topobea calycularis* Naud
- 14661 " " "
- 9936 *Miconia heterothrix* Gleason TYPE
- 12710 " " "
- 10752 " " "
- ✓ - 13933 *Miconia anisotricha* (Schl.) Triana
- 1377 " " "
- 9256 *Conostegia xalapensis* (Bonpl.) Don.
- 14510 *Leandra multiplinervia* (Naud.) Cogn. ?
- 10361 *Miconia obconica* Gleason TYPE
- LL)cc
- 11070 *Tibouchina durangensis* Standl.
- 7533 " *Pringlei* Rose
- 7298 " " "
- 12810 " " "
- 7398 " " "
- o 110 " *scabriuscula* (Schl.) Cogn.
- 7066 " " " "
- 6815 " " " "
- 7183 " " " "
- 7177 " " " "
- 8695 " *hirsuticalyx* Gleason TYPE
- checked → 7187 " " "
- in ledger - 7165 " " "
- 12706 " *Naudiniana* (Dec.) Cogn.
- 12569 " " " "
- 9952 " *connata* Gleason TYPE
- 11015 " *Hintonii* Gleason TYPE
- 11503 " " " "
- 10612 " " " "
- 14993 " " " "

entered  
5-21-69  
K.R.

## ACANTHACEAE.

Determined by E.C. Leonard. U.S. Nat. Museum.

68

- 102
- ✓ Aphelandra Deppeana C. & S. (9903, 10919, 11477, 14691)
  - ✓ " madrensis Lindau (11648)
  - ✓ " verticillata Nees (13486)
  - ✓ Barleria micans Nees (8738, 8764, 8782, 9956, 11008, 11017, 11022, 11570, 11739, 14930)
  - ✓ Carlowrightia glabrata Fernald (11216)
  - ✓ Chalarothyrsus amplexicaulis Lindau (8867, 11270)
  - ✓ Dicliptera aquatica Leonard (5602)
  - ✓ " Haenkeana Nees (13309)
  - ✓ " resupinata Juss. (9840, 12619, 13400)
  - ✓ Dyschoriste hirsutissima (Cav.) Kuntze (9203, 11325, 11573, 13404)
  - ✓ " ovata (Cav.) Kuntze (11416, 13071)
  - ✓ " saltuensis Fernald (11036)
  - ✓ Elytraria squamosa (Jacq.) Lindau (5953, 9791, 9812, 10995, 11578)
  - ✓ Glockeria gracilis Nees (10758)
  - ✓ Henrya scorpioides Nees (11217, 11779, 7611)
  - ✓ Jacobinia capitata Leonard (8598, 8075, 8100)
  - ✓ " mexicana Seem. (9679, 12620, 5190)
  - ✓ " umbrosa (Benth.) Blake (12558)
  - ✓ Justicia carthaginensis (8308, 10645, 10878)
  - ✓ Justicia furcata Jacq. (13137)
  - ✓ " paniculata Rose (14095)
  - ✓ " Pringlei Rob. (13244)
  - ✓ " reflexiflora Rich. (10855, 10955, 11478, 12624, 15322)
  - ✓ " salviiflora HBK (11319, 11721)
  - ✓ [Odontomema callistachyum (C. & S.) Kuntze (12585)aa]
  - ✓ Pseuderanthemum praecox (Benth.) Leonard (8274, 11243, 11305, 14072)
  - ✓ " Standleyi Leonard (8865)
  - ✓ Ruellia alboviolacea Lindau (11018)
  - ✓ " Galeottii Leonard (9820, 9837, 15323)
  - ✓ " Hookeriana (Nees) Fensl. (10480, 10594, 8117)
  - ✓ " intermedia Leonard (9074, 13004)
  - ✓ " jaliscana Standl. (12689)
  - ✓ " megasphaera Lindau (110195, 11756, 12611)
  - ✓ " nudiflora var. puberula Leonard (12015)
  - ✓ " Palmeri Greem. (11757)
  - ✓ " rubicaulis Cav. (9905, 11564, 14995)
  - ✓ " spissa Leonard (10523, 13039)
  - ✓ Stenandrium mexicanum Leonard (7707, 8080, 8127)
  - ✓ Tetramerium hispidum Nees (9789, 9806, 11327, 15316)
  - ✓ " nervosum Nees (11744)
  - ✓ Elytraria squamosa (Jacq.) Lindau (15321)
  - ✓ Hygrophila Pringlei Greem. (15387)
  - ✓ Dicliptera peduncularis Nees (238)
  - ✓ Dyschoriste hirsutissima (Cav.) Kuntze (204, 14573)
  - ✓ Justicia Clinopodium Gray (8065)
  - ✓ Pseuderanthemum praecox (Benth.) Leonard (351)
  - ✓ Tetramerium tenuissimum Rose (6969)

Mexican Compositae collected by George B. Hinton.  
(Mus.no. 156182: Lot 4, in part)

Identified by S.F. BLAKE.

December 1940

✓ A		
✓	Archibaccharis glandulosa (Greenm.) Blake	(15405) -
✓	" sescenticeps Blake	(14784) -
✓	Aspilia strigosa (H. & G.) B. & H.?	(14868) -
✓	Bidens aff. pilosa L.	(14895) -
✓	Brickellia scoparia (DC.) Gray	(14872) -
✓	Calea scabra (Lag.) Rob.	(14802) -
✓	" urticifolia (Mill.) DC.	(14911) -
✓	Carminatia tenuiflora DC.	(14949) -
✓	Cosmos cf. diversifolius Otto	(14804) -
✓	Desmanthodium fruticosum Greenm.	(14628) -
✓	Eclipta alba (L.) Hassk.	(14876) -
✓	Elephantopus mollis HBK.	(14992) -
✓	Eupatoriastrium triangulare (DC.) Rob.	(14634) -
✓	Eupatorium areolare Rob.	(14811, 14879) -
✓	" collinum DC.	(14839) -
✓	" odoratum L.	(14841) -
✓	Heliopsis buphthalmoides (Jacq.) Dunal.	(14736, 14749, 14876) -
✓	Lagascea angustifolia DC.	(14918) -
✓	" dicipiens Hemsl.	(14827) -
✓	Melampodium dicoelocarpum Rob.	(14614) -
✓	" divaricatum (Rich.) DC.	(14648) -
✓	Montanoa patens Gray	(14852) -
✓	" subtruncata Gray?	(14618) -
✓	" uncinata Sch. Bip.	(14818) -
✓	Notoptera tequilana var. acuminata (Wats.) Blake	(14866) -
✓	Oxypappus Seemannii (Sch. Bip.) Blake	(14913) -
✓	Perezia Pringlei Rob. & Greenm.	(14912) -
✓	Pseudelephantopus spicatus (Juss.) Rohr.	(14990) -
✓	Rumfordia floribunda DC.	(14890) -
✓	Salmea scandens (L.) DC.	(14978) -
✓	Sigesbeckia jorullensis HBK.	(14745) (14805) -
✓	Spilanthes ocymifolia (Lam.) A.H. Moore	(14847) -
✓	Stevia latifolia Benth. vel aff.	(14957) -
✓	" rhombifolia HBK.	(14671) -
✓	Synedrella nodiflora (L.) Gaertn.	(14701) -
✓	Tagetes cf. remotiflora Kunze	(14663) -
✓	" stenophylla Rob.	(14910) -
✓	" subulata Llave & Lex.	(14914) -
✓	Tithonia rotundifolia (Mill.) Blake	(14702) -
✓	Trigonospermum floribundum Greenm.	(14934) -
✓	Vernonia cenescens HBK.	(15393) -
✓	Verbesina Liebmannii Sch. Bip.	(14756) -
✓	Viguiera buddleiaeformis (DC.) B. & H.	(14870) -
✓	Zexmenia crocea Gray	(14835) -



Mexican COMPOSITAE collected by Geoge B. Hinton  
Identified by Dr. S.F. Blake.

79  
55

✓	Archibaccharis asperifolia (Benth.) Blake.	8836	—
✓	" glandulosa (Greenm.) Blake.	8823	—
✓	" hieracioides Blake.	3271	—
✓	" hirtella var. intermedia Blake.	3089	—
✓	" sescenticeps Blake.	2461, 3266	-2
✓	Aster moranensis HBK.	8804	—
✓	Barroetia sessilifolia Greenm.	6873	—
✓	Bidens pilosa var. radiata Sch.Bip.	7545	—
✓	" sp. Too fragmentary	474	—
✓	" sp. " "	118	—
✓	Calea scabra (Lag.) Rob.	1503, 1827, 7958, 8133, 8190	—
✓	" urticifolia (Mill.) DC.	188	—
✓	Carminatia tenuiflora DC.	6870	—
✓	Coreopsis petrophiloides Rob. & Greenm.	8796	—
✓	Cosmos crithmifolius HBK.	8686	—
✓	Cotula minuta (L. f.) Schinz	8002	—
✓	Dahlia crocea Cav.	7999	—
✓	Desmanthodium fruticosum Greenm.	2015	—
✓	Elephantopus mollis HBK.	7182	—
×	Erechtites hieraciifolia (L.) Raf.	7603	—
2 ✓	Erigeron Karwinskianus DC.	226, 7687	—
✓	Eupatorium areolare DC.	8685	—
✓	" Arsenei Rob.	129	—
✓	" bellidifolium Benth.	8688	—
✓	" monanthum Sch.Bip.	3185	—
✓	Gnaphalium oxyphyllum DC.?	372	—
✓	" salicifolium (Bertol.) Sch. Bip.	8825	—
✓	Heliopsis procumbens Pemsf.	7970	—
✓	Iostefhane heterophylla (Cav.) Benth.	7992	—
✓	Jaegeria hirta (Lag.) Less.	128	—
✓	Lagascea helianthifolia HBK.	224	—
✓	" " var. suaveolens (HBK.) Rob.	8833	—
✓	Melanthera oxylepis DC.	7050	—
✓	Pinaropappus roseus Less.	385	—
✓	Piqueria trinervis Cav.	135, 136	—
×	Rumfordia floribunda DC.	7612	—
✓	Salmea scandens (L.) DC.	7572	—
✓	Sclerocarpus multifidus Greenm.	8150	—
✓	Senecio cinerarioides HBK.	8822	—
✓	Senecio praecox DC.	3206	—
✓	Senecio salignus DC.	7614	—
✓	Sonchus oleraceus L.	7567	—
✓	Stevia elongata HBK.	112, 131	—
✓	" serrata var. linoides (Sch.Bip.) Rob.	7932	—
✓	Synedrella nodiflora (L.) Gaertn.	7553, 7581	—
✓	Tridax brachylepsis Hemsl.	8687	—
✓	Verbesina tetraptera (Ort.) Gray.	8130	—
✓	- Vernonia sp. Not in condition for identification	7565	—
✓	Viguiera dentata (Cav.) Spreng.	121	—
✓	Xanthium saccharatum Wallr.	5501	—
✓	Zinnia angustifolia HBK.	7959	—
✓	" multiflora L.	8168	—
✓	" elegans L.	8143	—
✓	Mikania <del>dro</del> difolia (L. f.) Willd.	7599	—

Compositae collected by George B. Hinton (Lot 5a in part)

(Accession No. 156922)

Identified by S. F. Blake, May 1942.

117-1  
217

- 2536. *Verbesina Greenmanii* Urban
- 5639. *Tridax procumbens* L.
- 6615. *Bidens refracta* Brandeg.
- 7480. *Senecio Aschenbornianus* Schauer
- 7482. *Senecio toluccanus* DC.
- 7496. *Lagascea helianthifolia* H.B.K.
- 7738. *Tithonia rotundifolia* (Mill.) Blake
- 7739. *Viguiera dentata* (Cav.) Spreng.
- 8175. *Zinnia elegans* Jacq.
- 8182. *Zinnia angustifolia* H.B.K.
- 8309. *Iostephane heterophylla* (Cav.) Benth.
- 8310. *Bidens aurea* (Ait.) Sherff
- 8332. *Dahlia variabilis* Desf.
- 8337. *Senecio reticulatas* DC.
- 8344. *Feaella plantaginea* (H.B.K.) Blake
- 8369. *Eupatoriastrium triangulare* (DC.) Rob.
- 8371. *Tithonia tubaeformis* (Jacq.) Cass.
- 8382. *Ageratum corymbosum* Zucc.
- 8383. *Senecio roldana* DC.
- 8384. *Viguiera Hemsleyana* Blake
- 8385. *Senecio lineolatus* DC.
- 8396. *Sigesbeckia jorullensis* H.B.K.
- 8412. *Eupatorium deltoideum* Jacq.
- 8432. *Verbesina stenophylla* Greenm.
- 8435. *Cosmos parviflorus* (Jacq.) H.B.K.
- 8436. *Bidens aurea* (Ait.) Sherff
- 8448. *Zinnia angustifolia* H.B.K.
- 8481. *Tithonia rotundifolia* (Mill.) Blake
- 8484. " *diversifolia* (Hemsl.) Gray
- 8486. *Zexmenia crocea* Gray
- 8536. *Zinnia elegans* Jacq.
- 8539. *Zinnia angustifolia* H.B.K.
- 8543. *Eupatoriastrium triangulare* (DC.) Rob.
- 8551. *Bidens refracta* Brandeg.
- 8596. *Verbesina sphaerocephala* Gray
- 8578. *Simsia lagascaeformis* DC.
- 8581. *Tithonia tubaeformis* (Jacq.) Cass.
- 8582. *Simsia foetida* (Cav.) Blake
- 8593. *Zexmenia ceanothifolia* (Willd.) Sch.Bip.
- 8604. *Dyssodia Seleri* Rob. & Greenm. ex char.
- 8626. *Senecio roldana* DC.
- 8641. *Stevia viscida* H.B.K.
- 8656. *Lagascea heteropappus* Hemsl.
- 8672. *Brickella scoparia* (DC.) Gray
- 8731. *Dyssodia Seleri* Rob. & Greenm. ex char.
- 8785. " " " " " "
- 8908. *Eupatorium Mairetianum* DC.
- 8954. " *oresbium* Rob.
- 8958. *Lagascea helianthifolia* Cav. (form).
- 8971. *Senecio Aschenbornianus* Schauer
- 8972. " *picridis* Schauer
- 8982. " *Aschenbornianus* Schauer

*Senecio*

*Senecio*

Hinton -2

- 117-2
- Should have ✓
- 8995. *Eupatorium oresbium* Rob.
  - 9113. *Melampodium linearilobum* DC.
  - 9134. " *heterophyllum* Lag.
  - 8187. *Sclerocarpus multifidus* Greenm.
  - 9205. *Melampodium oblongifolium* DC.
  - 9206. *Tragoceros Schiedeianum* Less.
  - 9275. *Zexmenia helianthoides* (DC.) Gray
  - 9278. *Zinnia multiflora* L.
  - 9293. *Melampodium perfoliatum* H.B.K.
  - 9333. *Verbesina stenophylla* Greenm.
  - 9377. *Zinnia multiflora* L.
  - 9414. *Verbesina stenophylla* Greenm.
  - 9419. *Sclerocarpus multifidus* Greenm.
  - 9438. *Cosmos crithmifolius* H.B.K.
  - 9439. *Dahlia coccinea* Cav.
  - 9467. *Stevia connata* Lag.
  - 9497. *Tragoceros Schiedeianum* Less.
  - 9509. *Millieria quinqueflora* L.
  - 9529. *Cosmos sulphureus* Cav.
  - 9551. *Zinnia multiflora* L.
  - 9559. *Desmanthodium fruticosum* Greenm.
  - 9577. *Zexmenia crocea* Gray
  - 9606. *Cosmos sulphureus* Cav.
  - 9617. *Simsia foetida* (Cav.) Blake
  - 9625. " " " "
  - 9656. *Heterosperma pinnatum* Cav.
  - 9658. *Decachaeta Haenkeana* DC.
  - 9681. *Montanoa grandiflora* (DC.) Sch. Bip.
  - 9716. *Tragoceros Schiedeianum* Less.
  - 9726. *Tithonia diversifolia* (Hemsl.) Gray
  - 9733. *Stevia Aschenborniana* Sch. Bip.
  - 9735. *Stevia viscida* H.B.K.
  - 9745. *Piqueria trinervia* Cav.
  - 9770. *Eupatoriastrium triangulare* (DC.) Rob.
  - 9772. *Cosmos caudatus* H.B.K.
  - 9795. *Viguiera tenkis* Gray
  - 9805. *Tithonia rotundifolia* (Mill.) Blake
  - 9821. *Eupatorium odoratum* L.
  - 9822. *Zinnia elegans* Jacq.
  - 9827. *Dyssodia Seleri* Rob. & Greenm. ex char.
  - 9828. *Zexmenia crocea* Gray
  - 9843. *Calea urticifolia* (Mill.) DC.
  - 9855. *Coreopsis petrophiloides* Rob. & Greenm.
  - 9856. *Eupatorium areolare* DC.
  - 9868. *Sigesbeckia jorullensis* H.B.K.
  - 9871. *Viguiera buddleiiformis* (DC.) B. & H.
  - 9874. *Tithonia tubaeformis* (Jacq.) Cass.
  - 9889. *Eupatorium areolare* DC. (form)
  - 9919. " *Mairetianum* DC.
  - 9923. *Guardiola tulocarpus* Gray
  - 10019. *Eupatorium monanthum* Sch. Bip.
  - 10039. *Verbesina crocata* (Cav.) Less.
  - 10069. *Fleischmannia arguta* (H.B.K.) Rob.
  - 10145. *Stevia trifida* Lag.
  - 10170. *Senecio barba-johannis* DC.
  - 10173. " *salignus* DC.

- 10288. *Fleischmannia arguta* (H.B.K.) Rob.
- 10539. *Verbesina stenophylla* Greenm.
- 10546. *Eclipta alba* (L.) Hassk.
- 10596. *Ageratum corymbosum* Zucc. (form).
- 10600. *Tragoceros zinnioides* H.B.K.
- 10620. *Milleria quinqueflora* L.
- 10703. *Zexmenia crocea* Gray
- 10719. *Melampodium oblongifolium* DC.
- 10742. *Zexmenia elegans* Sch. Bip.
- 10837. *Eupatorium ovalifolium* H. & A.
- 10861. *Tragoceros zinnioides* H.B.K.
- 10913. *Decachaeta Haenkeana* DC.
- 10962. *Montanoa grandiflora* (DC.) Sch. Bip.
- 10969. *Calyptocarpus vialis* Less.
- 11029. *Eupatoriastrium triangulare* (DC.) Rob.
- 11057. *Lagascea helianthifolia* H.B.K.
- 11079. *Eupatorium areolare* DC.
- 11083. *Dahlia variabilis* Desf.
- 11106. *Lagascea angustifolia* DC.
- 11125. *Eupatorium Mairetianum* DC.
- 11134. *Rumfordia floribunda* DC.
- 11135. *Stevia nepetifolia* var. *leucantha* (Sch. Bip.) Rob. ex char.
- 11137. *Dahlia variabilis* Desf.
- 11140. *Eupatorium areolare* DC. (form).
- 11171. *Eupatorium bellidifolium* Benth.
- 11205. *Zinnia angustifolia* H.B.K.
- 11235. *Brickellia nutans* (H.B.K.) Rob.
- 11237. *Stevia trifida* Lag.
- 11254. *Coreopsis petrophila* Gray
- 11268. *Eupatorium pycnocephalum* Less.
- 11287. " *areolare* DC.
- 11293. *Sigesbeckia jorullensis* H.B.K.
- 11301. *Viguiera dentata* (Cav.) Spreng.
- 11304. *Stevia elongata* H.B.K. var. *caracasana* (DC.) Rob.
- 11310. *Eupatorium adenospermum* Sch. Bip.
- 11313. *Calea integrifolia* (DC.) Hemsl.
- 11328. *Fleischmannia arguta* (H.B.K.) Rob.
- 11329. *Stevia trifida* Lag.
- 11340. *Zexmenia helianthoides* (DC.) Gray
- 11411. *Cosmos caudatus* H.B.K.
- 11441. *Eupatoriastrium triangulare* (DC.) Rob.
- 11469. *Tithonia rotundifolia* (Mill.) Blake
- 11492. *Desmanthodium fruticosum* Greenm.
- 11497. *Cosmos sulphureus* Cav.
- 11506. *Zexmenia ceanothifolia* (Willd.) Sch. Bip.
- 11547. *Tithonia tubaeformis* (Jacq.) Crass.
- 11550. *Zexmenia crocea* Gray.
- 11552. *Viguiera Hemsleyana* Blake
- 11596. *Eupatorium odoratum* L.
- 11597. *Dyssodia aurantia* (L.) Rob.
- 11614. *Viguiera tenuis* Gray f. *alba* (Rose) Blake
- 11639. *Verbesina Greenmai* Urban
- 11685. *Viguiera dentata* (Cav.) Spreng. toward var. *lancifolia* Blake
- 11698. *Senecio roldana* DC.
- 11749. *Fleischmannia arguta* (H.B.K.) Rob.

- 117-4
- 11753. Mikania micrantha H.B.K.
  - 11836. Senecio stoechadiformis DC.
  - 11852. Sigesbeckia jorullensis H.B.K.
  - 11902. Piqueria trinervia Cav.
  - 11970. Eclipta alba (L.) Hassk.
  - 11994. Aster exilis Ell.
  - 12031. Parthenium hysterophorus L.
  - 12091. Sclerocarpus divaricatus (Benth.) B. H.
  - 12130. Zinnia elegans Jacq.
  - 12493. Stevia viscida H.B.K.
  - 12498. Zexmenia Ghiesbreghtii Gray
  - 12512. Eupatorium odoratum L.
  - 12517. Pseudelephantopus spicatus (Juss.) Rohrb.
  - 12521. Bidens pilosa var. radiata Sch. Bip.
  - 12522. Dyssodia porophylla Cav.
  - 12567. Carminatia tenuifolia DC.
  - 12571. Stevia alatipes Rob.
  - 12586. Lagascea Palmeri Rob.
  - 12626. Eupatorium odoratum L.
  - 12632. Cosmos caudatus H.B.K.
  - 12633. Zinnia peruviana L.
  - 12647. Viguiera tenuis Grav. f. alba (Rose) Blake
  - 12684. Montanoa pyramidata Sch. Bip.
  - 12765. Viguiera dentata (Cav.) Epreng.
  - 12766. Rumfordia floribunda DC.
  - 12774. Senecio lineolatus DC.
  - 12816. Stevia Liebmanii var. chiapensis Rob. ex char.
  - 12830. Lagascea mollis Cav.
  - 13002. Guardiola mexicana H. & B.
  - 13065. Tragoceros zinnioides H.B.K.
  - 13087. Zinnia elegans Jacq.
  - 13116. " " "
  - 13144. Sclerocarpus frutescens Brandeg.
  - 13206. Lagascea decipiens Hemsl.
  - 13214. Melampodium linearilobum DC.
  - 13232. Sigesbeckia jorullensis H.B.K.
  - 13239. Cosmos diversifolius Otto.
  - 13242. Stevia viscida H.B.K.
  - 13288. Zexmenia helianthoides (DC.) Gray.
  - 13289. Simsia foetida (Cav.) Blake.
  - 13320. " sanguinea Gray
  - 13330. Tithonia rotundifolia (Mill.) Blake
  - 13364. Ageratum corymbosum Zucc.
  - 13380. Stevia Aschenborniana Sch. Bip.
  - 13390. Montanoa grandiflora (DC.) Sch. Bip.
  - 13408. Sanvitalia procumbens Lam.
  - 13419. Stevia hirsuta DC.
  - 13461. Lagascea heteropappus Hemsl.
  - 13487. Simsia sanguinea var. Palmeri (S.Wats.) Blake.
  - 13507. Verbesina Greenmanii Urban
  - 13555. Eupatorium bellidifolium Benth.
  - 14021. Baccharis trinervia var. rhexioides (H.B.K.) Baker
  - 14042. Eupatorium leucocephalum Benth.

Mexivan Compositae collected by George B. Hinton  
Lot 5b (acc.no. 156922 )

118

7

Identified by S. F. Blake, U. S. National Museum, June, 1942.

- 2954. *Vernonia Alananii* DC.
- 3027 Probably *Fleischmannia arguta* (H.B.K.) Rob. Material poor.
- 3311 *Fleischmannia arguta* (H.B.K.) Rob.
- 3433 *Calea integrifolia* (DC.) Hemsl.
- 4423 *Galeana pratensis* (H.B.K.) Rudb.
- 4815 *Pectis* cf. *capillaris* DC.
- 4820 *Eupatoriastrium* sp.? Too young.
- 5026 *Xanthium australe* Millsp. & Sherff

8

Mexica Compositae collected by George B. Hinton

119

Lot 8b (acc. no. 158635)

Identified by S. F. Blake, U.S. National Museum, June, 1942.

- | 15548 Tagetes lucida Cav.
- o 15565 Tagetes foetidissima DC.
- o 15567 Stevia rhombifolia f. glandulifera (Schl.) Rob.
- o 15570 Eupatorium pazcuarense H.B.K.
- | 15574 Ageratum corymbosum Zucc.
- | 15575 Viguiera buddleiaeformis (DC. O B. & H.
- o 15578 Tagetes remotiflora Kunze
- | Tithonia tubaeformis (Ort.) Cass.
- o 15586 Stevia alatipes Rob.
- o 15587 Melampodium Kunthianum DC.
- o 15589 Zinnia Greggii Rob. & Greenm.
- o 15595 Senecio reticulatus DC.
- | 15614 Eupatorium areolare DC.
- | 15616 Verbesina Greenmanii Urban
- o 15624 Cacalia brachycome Blake
- | 15636 Cosmos sulphureus Cav.
- | 15664 Galea scabra (Lag.) Rob.
- | 15689 Lagascea helianthifolia Cav.
- | 15694 Sigesbeckia jorullensis H.B.K.
- o 15695 Brickellia secundiflora var. nepetifolia (H.B.K.) Rob.
- o 15707 Eupatorium longipes Gray
- o 15708 Senecio angulifolius DC.
- o 15731 Senecio barba-johannis DC.

Aguililla  
Mich.

April 21 1941

Dr Lyman B. Smith  
The Gray Herbarium  
Cambridge Mass.

Dear Dr Smith:-

I will be very much obliged if you will be so kind as to send me some more determinations. There are some orders on hand I have not sufficient material to fill

I take the occasion to enclose my lists Nos 67, 68, 70, 76, 79, 82, 83, 84, 85, 86, 87, 88, 90 & 91., with a total of 522 determinations received from other institutions.

Yours Very Truly,

*Geo. B. Hinton*  
Geo. B. Hinton.

37 nos of *Quercus* from Ann Arb. (not in H)  
12  
15

3 nos. *Conium* in H.

67

not in H.

				21
				4
				55
5239	14391	15451	15527	19
15432	14538	15444	15485	53
5724	14825	15443	13707	48
3589	15606	15442	13665	17
15661	15678	15437	12988	19
15662	15625	15371	12891	13
13633	15706	13160	12837	2
15520	7603	13453	11954	99
12968	7612	12329	13378	94
12998	3206	12171		444
13585	4146	15726		67
13789	15612	15703		377
13798	15600	15501		
13823	15674	15677		
14146	15688	15545		
14151	15704	12598		



- labelled

HERBARIUM Geo.B.Hinton.  
FAGACEAE.  
Determined by C.V.Morton.

only

57  
97

✓	14363	Quercus	acapulcensis	Trel.	Previously known from TYPE.	
✓	6514	"	aristata	H. & A.		
✓	14203	"	"	"		
✓	14405	"	"	"		
✓	10673	"	candicans	Nee		
✓	10722	"	"	"		
✓	11912	"	"	"		
✓	12341	"	"	"		
✓	14953	"	"	"		
✓	13672	"	"	"		
✓	13696	"	"	"	?	
✓	5780	"	castanea	Nee	Synonym:- Q. Rossii Trel.	
✓	9225	"	"	"	"	"
✓	9226	"	castanea	Nee	Synonym Q. Rossii Trel.	
✓	9316	"	"	"	"	"
✓	10736	"	"	"	"	"
✓	11890	"	"	"	"	"
✓	13344	"	"	"	"	"
✓	13345	"	"	"	"	"
✓	13437	"	castanea	Nee	Synonym:- Q. Rossii Trel.	
✓	13468	"	"	"	"	"
✓	13545	"	"	"	"	"
✓	13559	"	"	"	"	"
✓	13560	"	"	"	"	"
✓	13685	"	"	"	"	"
✓	732	"	centralis	Trel.	(Det. Warburg & Morton.)	
✓	5933	"	centralis	Trel.	(Det. C.V.Morton.)	
✓	13703	"	chrysophylla	H. & B.	Known previously only from TYPE	
✓	6238	"	conspersa	Benth.	(Det. Warburg & Morton.)	
✓	6589	"	"	"	"	"
✓	10374	"	conspersa	Benth.	(Det. C.V.Morton.)	
✓	10729	"	"	"	"	"
✓	10737	"	"	"	"	"
✓	12151	"	"	"	"	"
✓	12152	"	"	"	"	"
✓	12153	"	"	"	"	"
✓	13195	"	"	"	"	"
✓	13378	"	"	"	"	"
✓	13730	"	"	"	"	"
✓	14411	"	"	"	"	"
✓	14421	"	"	"	"	"
✓	14850	"	"	"	"	"
✓	13692	"	"	"	"	"
✓	14520	"	corrugata	Hook.	Previously known only from Chiapas and Guatemala.	
✓	3451	"	crassifolia	H. & B.	(Cited as Q. candicans by F. Warburg.)	
✓	5920	"	crassifolia	H. & B.	(Warburg and Morton.)	
✓	5935	"	"	"	"	"
✓	15026	"	crassifolia	H. & B.		
✓	13675	"	"	"		
✓	13680	"	"	"		
✓	13682	"	"	"		
✓	13697	"	"	"		
✓	13523	"	crassipes	H. & B.		
✓	13547	"	"	"		

HERBARIUM GEO B. HINTON.

FAGACEAE.

Determined by C.V.Morton.

✓	15348	Quercus	crassipes	H.&B.					
✓	13681	"	"	"	"	"	"	"	?
✓	13029	"	dolichopus	Warburg					
✓	13097	"	"	"					
✓	9051	"	glaucoides	M. & G.	Synonym:-	Q.baldoquinae	Trel.		
✓	9198	"	"	"	"	"	"	"	"
✓	13099	"	"	"	"	"	"	"	"
✓	14393	"	"	"	"	"	"	"	"
✓	6810	"	Hintonii	Warburg	(This species is somewhat doubtful Morton.)				
✓	10454	"	magnoliifolia	Nee	Synonym:-	Q.panduriformis	Trel.		
✓	10515	"	magnoliifolia	Nee.					
✓	10613	"	magnoliifolia	Nee					
✓	15229	"	panduriformis	Trel.	Synonym:-	Q.magnoliifolia	Nee.		
✓	10024	"	magnoliifolia	Nee.					
✓	13688	"	"	"					
✓	13724	"	"	"					
✓	11377	"	obtusata	H.& B.	"Rare"				
✓	11954	"	ocoteifolia	Liebm.	"Very close to	Q.Bourgaei	Oerst-Trel!"		
✓	13028	"	"	"	"	"	"	"	"
✓	9297	"	peduncularis	Nee					
✓	9312	"	"	"					
✓	9315	"	"	"					
✓	12245	"	"	"					
✓	10023	"	"	"					
✓	10079	"	"	"					
✓	10084	"	"	"					
✓	10213	"	"	"					
✓	13719	"	"	"					
✓	13747	"	"	"					
✓	14044	"	"	"					
✓	9314	"	"	"					
✓	13479	"	reticulata	H.& B.	Synonym:-	Q.rhodophlebia	Trel		
✓	13503	"	"	"	"	"	"	"	"
✓	14792	"	"	"	"	"	"	"	"
✓	13704	"	"	"	"	"	"	"	"
✓	11913	"	platyphylla	Warburg					
✓	11948	"	"	"					
✓	9901	"	salicifolia	Nee					
✓	10214	"	salicifolia	Nee					
✓	10292	"	"	"					
✓	13748	"	"	"					
✓	13726	"	scytophylla	Liebm	?				
✓	305	"	"	"	"				
✓	6556	"	sororia	Liebm.					

-----

SMITHSONIAN INSTITUTION.  
UNITED STATES NATIONAL MUSEUM  
Geo. B. Hinton - Mexican Plants. October 1940  
Determined by Mr. E. P. Killip.

67

-----  
URTICACEAE.

- ✓ Myriocarpa brachystachys S. Wats. ? 7519
- ✓ Parietaria floridana Nutt. 8473
- 55 ✓ Parietaria macrophylla Rob. & Greenm. 8953
- ✓ Phenax mexicanus Wedd. 14053
- ✓ Pilea hyalina Fenzl 11790
- ✓ Pilea hyalina var. Hindii 9630
- ✓ Pilea filicaulis Killip n. sp. 8240 (type)
- ✓ Pouzolzia nivea S. Wats. sens. lat. 9125
- ✓ Pouzolzia Palmeri S. Wats. 10606
- ✓ Urera caracasana (Jacq.) Griseb. forms 767, 10115, 10235, 10274
- ✓ Urera Hintonii Killip n. sp. 9238 (type)
- ✓ Myriocarpa brachystachys S. Wats. 4329
- ✓ Pouzolzia glabrifolia Killip n. sp. 1492 (type), 4212
- ✓ Urera caracasana (Jacq.) Griseb. ? 3737
- ✓ Pilea microphylla var. longifolia Wedd. 8122
- ✓ Pouzolzia nivea S. Wats. 6266

PASSIFLORACEAE

- ✓ Passiflora biflora Lam. 7405
- ✓ Passiflora bryonioides H.B.K. 9095
- ✓ Passiflora colimensis Mast. & Rose 9141, 10925, 13094
- ✓ Passiflora exsudans Zucc. 8224
- ✓ Passiflora filipes Benth. 11218
- ✓ Passiflora foetida var. gossypiifolia (Desv.) Mast. 13049,
- ✓ Passiflora jorullensis H.B.K. 7834
- ✓ Passiflora mexicana Juss. 11007
- ✓ Passiflora prophyretica var. angustata Killip 11563
- ✓ Passiflora suberosa L. 6533, 8607, 13492
- ✓ Passiflora subpeltata Ort. 7638, 7913, 8233, 13051
- ✓ Passiflora viridiflora Cav. 10999
- ✓ Passiflora colimensis Mast. & Rose 1210
- ✓ Passiflora jorullensis H.B.K. 7088
- ✓ Passiflora colimensis Mast. & Rose 8013, 8018, 8043
- ✓ Passiflora exsudans Zucc. 8000
- ✓ Passiflora foetida var. gossypiifolia (Desv.) Mast. 6879, 8045,  
8076
- ✓ Passiflora jorullensis H.B.K. 6558, 6809, 7009
- ✓ Passiflora Pavonis Mast. 7974
- ✓ Passiflora pilosa R. & P. 8069 A rare species.
- ✓ Passiflora subpeltata Ort. 470

AMARYLLIDACEAE

- ✓ Bomarea hirtella (H.B.K.) Herb. 8111

(55)

File

Hinton Plants

- 234 Castilleja arvensis Cham. & Schlechtd.
- 332 Phoebe sp. ? det C. K. Allen
- 338 Photinia mexicana (Baill.) Hemsl.
- 350 Acalypha mollis HBK. det L. C. Wheeler
- 378 Phoebe Ehrenbergii Mez det C. K. Allen
- 477 Photinia mexicana (Baill.) Hemsl.
- 1319 Valeriana procera HBK.
- 1368 " affinis Mart. & Gal.
- 1417 " pratensis Benth. & Hook.
- 1484 Diodia teres Walt. ?
- 1568 Valeriana sorbifolia HBK. ?
- 2224 Diodia teres Walt.
- 2233 " rigida (HBK.) Cham. & Schlechtd.
- 2781 Diastatea tenera (Gray) McV.
- 3032 Phoebe Ehrenbergii Mez det. C. K. Allen
- 3033 Helianthemum glomeratum Lag.
- 3117 Photinia mexicana (Baill.) Hemsl.
- 3167 Persea Schiedeana Nees det. C. K. Allen
- 3188 Litsea glaucescens var. subsolitaria (Meissn.) Hemsl. det. C.K.Allen
- 3257 " " " " " " " " " "
- 3527 Photinia mexicana (Baill.) Hemsl.
- 3533 Persea Hintonii Allen type-no.
- 3573 Phoebe sp. det. C. K. Allen
- 3599 Phoebe sp. ? " " "
- 3816 Nectandra salicifolia (HBK.) Nees det. C. K. Allen
- 3895 Phoebe Ehrenbergii Mez det. C. K. Allen
- 3940 Litsea glaucescens var. subsolitaria (Meissn.) Hemsl. det. Allen
- 3980 Persea Hintonii Allen det. C. K. Allen
- 4021 Photinia mexicana (Baill.) Hemsl. ?
- 4024 Persea Hintonii Allen det. C. K. Allen
- 4247 Viburnum guatemalense Gandog. ?
- 4420 Valeriana pratensis Benth. & Hook.
- 4712 " cucurbitifolia Standl.
- 4988 Callitriche deflexa var. Austinii (Engelm.) Hegelm.
- 5688 Hemiangium excelsum (HBK.) A. C. Smith det. A. C. Smith
- 5689 Melochia nodiflora Swartz ?
- 5771 Phoebe Ehrenbergii Mez det. C. K. Allen
- 5772 Borreria ocimoides (Burm.) DC.
- 5858 Ludwigia palustris var. nana Fern. & Griseb. det. P. A. Munz
- 6052 Richardia brasiliensis (Moq.) Gom.
- 6142 Rosa multiflora Thunb.
- 6286 Phoebe Ehrenbergii Mez det. C. K. Allen
- 6344 Valeriana pratensis Benth. & Hook. ?
- 6352 Lobelia sp.
- 6526 Mitracarpus Schizangium DC.
- 6970 Hyperbaena ilicifolia Standl.
- 7024 Alchemilla aphanoides var. subalpestris (Rose) L. M. Perry
- 7064 " " " " " " " " " "
- 7137 Diastatea tenera (Gray) McV.
- 7191 Hoffmannia cuneatissima Robinson / ?
- 7201 Deppea sp. (flowers lacking)
- 7204 Rosa multiflora Thunb.
- 7223 Litsea glaucescens var. subsolitaria (Meissn.) Hemsl. det. Allen
- 7286 Jussiaea erecta L. det. P. A. Munz
- 7457 Hypericum gnidioides Seem.
- 7465 Rosa multiflora Thunb.
- 7615 Symplocos prionophylla Hemsl.
- 7642 Casearia platyphylla Briq. ex char.
- 7758 Casearia corymbosa HBK.
- 7946 Valeriana procera HBK.

Hinton Plants--2

- 7960 Valeriana pratensis Benth. & Hook.  
 8110 Aristolochia sp.  
 8210 Lobelia sp.  
 8249 Lobelia picta Robins. & Seat.  
 8256 Lobelia Cardinalis L.  
 8323 Lobelia gruina Cav.  
 8335 Alchemilla Pringlei Fedde  
 8374 Diastatea virgata var. ciliata McV.  
 8376 Valeriana toluicana DC.  
 8408 Diastatea micrantha (HBK.) McV.  
 8409 Fuchsia Pringlei Robins. & Seat. det. P. A. Munz  
 8446 Mitracarpus Schizangium DC.  
 8449 Diodia teres Walt.  
 8488 Diastatea tenera (Gray) McV.  
 8625 " expansa McV.  
 8655 " micrantha (HBK.) McV.  
 8661 " tenera (Gray) McV.  
 8770 Lobelia Hartwegii A. DC.  
 8914 Hypericum formosanum HBK., var.  
 8920 Callitriche heterophylla Pursh  
 8981 Valeriana sorbifolia HBK. ?  
 8990 Helianthemum glomeratum Lag.  
 9218 Ranunculus petiolaris HBK.  
 9220 Fuchsia tetradactyla Lindl. ? det. P. A. Munz  
 9277 Polygala rivinaefolia HBK.  
 9308 Valeriana Palmeri Gray  
 9381 Polygala rivinaefolia HBK.  
 9417 Diodia rigida (HBK.) Cham. & Schlechtd.  
 9604 Valeriana toluicana DC.  
 9680 Lobelia Cardinalis subsp. graminea var. pseudosplendens McV.  
 9683 Jussiaea suffruticosa var. octofila (DC.) Munz det. Munz  
 9736 Geranium unguiculatum H. E. Moore, Jr.  
 9757 Hypericum denticulatum HBK.  
 9764 Rondeletia Langlassei Standl.  
 9803 Jussiaea linifolia Vahl det. Munz  
 9832 Jussiaea suffruticosa var. ligustrifolia (HBK.) Griseb. det. Munz  
 9835 " repens var. peploides (HBK.) Griseb. det. Munz  
 9852 Diastatea expansa McV.  
 10029 Jussiaea suffruticosa var. octofila (DC.) Munz det. Munz  
 10047 Casearia corymbosa HBK.  
 10059 " " "  
 10063 " " "  
 10099 Daphnopsis salicifolia (HBK.) Meissn.  
 10140 Clusia Salvinii Donn. Sm. ?  
 10171 Lobelia laxiflora HBK.  
 10194 Licaria Cervantesii (HBK.) Kosterm. det. C. K. Allen  
 10197 Casearia obovata Schlechtd.  
 10203 Xylosma ellipticum (Clos) Hemsl.  
 10204 Casearia ~~dichophylla~~ Standl. ? *dolichophylla*  
 10246 Daphnopsis Bonplandiana (Kunth) Standl.  
 10251 Xylosma velutinum (Tul.) Triana & Karst.  
 10254 Licaria sp. det. C. K. Allen  
 10268 Daphnopsis salicifolia (HBK.) Meissn.  
 10273 Licaria Cervantesii (HBK.) Kosterm. det. C. K. Allen  
 10290 " " " " " "  
 10291 " " " " " "  
 10402 Ardisia compressa HBK. ?  
 10410 Bernardia aspera Pax & Hoffm.  
 10438 Casearia corymbosa HBK. ?  
 10448 Valeriana sp.

Hinton Plants--3

- 10501 *Valeriana podocephala* HBK. ?  
 10565 *Jussiaea suffruticosa* var. *octofila* (DC.) Munz det. Munz  
 10589 *Nectandra tabascensis* Lundell det. C. K. Allen  
 10603 *Jussiaea bonariensis* Micheli det. Munz  
 10908 *Melochia nodiflora* Swartz  
 10946 *Valeriana sorbifolia* HBK.  
 10964 *Samyda mexicana* Rose  
 11033 *Lobelia laxiflora* HBK.  
 11056 *Triumfetta coriacea* Hochr.  
 11081 *Lobelia aguana* E. Wimmer ?  
 11108 " *Dielsiana* E. Wimmer  
 11127 " *aguana* E. Wimmer ?  
 11162 *Diastatea tenera* (Gray) McV.  
 11186 *Gonzalagunia panamensis* (Cav.) K. Schum.  
 11193 *Triumfetta coriacea* Hochr.  
 11277 *Centropogon grandidentatus* (Schlechts.) Zahlbr.  
 11256 *Diastatea expansa* McV.  
 11311 *Lobelia laxiflora* HBK.  
 11355 *Casearia sylvestris* Swartz  
 11356 *Vismia mexicana* Schlechts.  
 11473 *Nectandra tabascensis* Lundell det. C. K. Allen  
 11518 *Polygala brachysepala* Blake  
 11557 *Melochia urticaefolia* (Turcz.) Standl.  
 11584 *Jussiaea suffruticosa* L., var. det. Munz  
 11640 *Zornia diphylla* (L.) Pers.  
 11661 *Jussiaea linifolia* Vahl det. Munz  
 11710 *Lobelia laxiflora* HBK.  
 11815 *Lobelia laxiflora* HBK.  
 11823 *Jussiaea repens* var. *peplodes* (HBK.) Griseb. det. Munz  
 11865 *Ranunculus sibbaldioides* HBK.  
 11905 *Lobelia* sp.  
 12004 *Hintonia Standleyana* Bullock  
 12009 *Bdallophyton Andrieuxii* Eichl. male plant  
 12012 " " " female plant  
 12108 *Lennea caerulea* (HBK.) Fourn.  
 12160 *Ranunculus petiolaris* HBK. ?  
 12263 *Fuchsia michoacanensis* Sessé & Moc. ? det. Munz  
 12343 *Triumfetta Hintonii* Sprague  
 12365 *Litsea glaucescens* var. *subsolitaria* (Meissn.) Hemsl. det. Allen  
 12374 *Alchemilla aphanoides* var. *subalpestris* (Rose) L. M. Perry  
 12418 *Fuchsia michoacanensis* Sessé & Moc. det. Munz  
 12525 *Malachra radiata* L.  
 12529 *Jussiaea suffruticosa* var. *ligustrifolia* (HBK.) Griseb. det. Munz  
 12717 *Pavonia Palmeri* (Bak. f.) Schery  
 12744 *Lobelia laxiflora* var. *stricta* (Planch. & Oerst.) McV.  
 12800 *Litsea glaucescens* var. *subsolitaria* (Meissn.) Hemsl. det. Allen  
 12987 *Persea Schiedeana* Nees det. Allen  
 13014 *Hypericum formosanum* HBK., var.  
 13016 *Potentilla ranunculoides* HBK.  
 13021 *Ranunculus macranthus* var. *Arsenei* L. Benson  
 13046 *Martynia annua* L.  
 13143 *Jussiaea bonariensis* Micheli det. Munz  
 13170 *Lobelia* sp.  
 13208 *Lobelia Cardinalis* subsp. *graminea* (Lam.) McV.  
 13319 *Waltheria Pringlei* Rose  
 13363 *Alchemilla procumbens* Rose  
 13373 *Mentzelia hispida* Willd.  
 13393 *Diastatea expansa* McV.  
 13413 *Hypericum submontanum* Rose ?  
 13530 *Aristolochia* aff. *pardina* Duchar.

Hinton Plants--4

- 13537 *Lobelia laxiflora* HBK.  
 13548 *Helianthemum glomeratum* Lag.  
 13667 *Nectandra perdubia* Lundell det. C. K. Allen  
 13668 " " " " "  
 13737 *Cryptocarya Hintonii* Allen type-no.  
 13827 *Marsdenia mexicana* Decne.  
 13841 *Pinguicula caudata* Schlechtd.  
 13856 *Nectandra perdubia* Lundell det. C. K. Allen  
 13918 " " " " "  
 13993 *Viola reptans* Robinson  
 13999 *Hypericum fastigiatum* HBK.  
 14011 *Hintonia Standleyana* Bullock  
 14014 *Phoebe helicterifolia* (Meissn.) Mez det. C. K. Allen  
 14027 *Persea Hintonii* Allen det. C. K. Allen  
 14195 *Persea Hintonii* Allen " "  
 14220 *Centropogon grandidentatus* (Schlechtd.) Zahlbr.  
 14265 *Heuchera Hemsleyana* Rosend. Butt. & Lak.  
 14333 *Casearia dolichophylla* Standl. ?  
 14334 *Jacquinia aurantiaca* Ait.  
 14443 *Valeriana mexicana* DC. ?  
 14444 *Alchemilla sibbaldiaefolia* HBK.  
 14456 *Hypericum formosanum* HBK., var.  
 14481 *Lobelia pulchella* Vatke  
 14539 *Jussiaea suffruticosa* var. *octofila* (DC.) Munz det. Munz  
 14540 *Jussiaea erecta* L. det. Munz  
 14569 *Aristolochia* sp.  
 14574 *Jussiaea repens* var. *peplodes* (HBK.) Griseb. det. Munz  
 14714 *Casearia arguta* HBK.  
 14767 *Cuphea cyanea* DC.  
 14770 *Lobelia Hartwegii* A. DC.  
 14778 *Fuchsia tacanensis* Lundell det. Munz  
 14860 *Diastatea tenera* (Gray) McV.  
 14903 *Cuphea cyanea* DC.  
 14905 " " "  
 15025 *Lobelia laxiflora* var. *stricta* (Planch. & Oerst.) McV.  
 15097 *Nama jamaicense* L.  
 15144 *Triumfetta columnarioides* Bullock  
 15418 *Litsea glaucescens* var. *subsolitaria* (Meissn.) Hemsl. det. Allen  
 15423 *Sphaeralcea rosea* (DC.) Standl.  
 15720 " " " "  
 15732 *Abutilon acerifolium* (Lag.) G. Don  
 15746 *Litsea glaucescens* var. *subsolitaria* (Meissn.) Hemsl. det. Allen

## Hinton Plants determined at the

Gray Herbarium, July, 1947

Entered in  
Ledger  
5-21-69  
K.F.

307. *Mimulus glabratus* HBK.  
 500. *Orthrosanthus chimboracensis* var. *exsertus* R.C.Foster  
 1055. *Desmodium orbiculare* Schlechtd. var. *rubricaula* (Rose & Painter) Schubert, ined. det. B.G.Schubert  
 1401. Change to *Sphenostigma mexicanum* R.C.Foster  
 1453. " " " " " "  
 1463. *Gomphrena Pringlei* Coult. & Fish. ?  
 2809. *Centaurium speciosum* (Benth.) Druce ?  
 2822. *Desmodium Sumichrastii* (Schindl.) Standl. det. B.G.Schubert  
 3327. *Croton calvescens* S. Wats. ? det. L.C. Wheeler  
 3503. *Orthrosanthus chimboracensis* var. *exsertus* R.C.Foster  
 4611. Change to *Sphenostigma longispathum* var. *filiforme* R.C.Foster type-no.  
~~5388. *Desmodium Sumichrastii* (Schindl.) Standl. det. B.G.Schubert~~  
 6303. *Gomphrena Pringlei* Coult. & Fish. ?  
 6554. *Mirabilis Jalapa* L.  
 6777. *Triumfetta apetala* Hochr.  
 7247. *Pisonia capitata* (Wats.) Standl.  
 ✓8010. Change to *Sphenostigma mexicanum* R.C.Foster type-no.  
 8253. *Centella renifolia* (Lag.) Urb.  
 8355. *Mimulus glabratus* HBK.  
 8575. *Desmodium intortum* (Mill.) Urb. var. *apiculatum* Schubert. det. BGS.  
 8690. " *Sumichrastii* (Schindl.) Standl. det. B.G.Schubert  
 8734. " " " " " " " " " "  
 8827. Change to *Nama prostratum* Brand det. L. Constance  
 8835. *Orthrosanthus chimboracensis* var. *exsertus* R.C.Foster  
 8871. *Desmodium Sumichrastii* (Schindl.) Standl. det. R/B BGS.  
 8979. *Croton stylosus* det. L. Croizat  
 ✓9163. Change to *Cypella ~~Rosei~~ mexicana* Morton & Foster, ined.  
 9251. *Mirabilis Jalapa* L. ?  
 9258. *Desmodium orbiculare* Schlechtd. det. B.G.Schubert  
 9390. *Desmodium strobilaceum* Schlechtd. det. B. G. Schubert  
 9441. *Eryngium gracile* Delar. f.  
 9564. *Delphinium bicornutum* Hemsl.  
 9568. *Desmodium strobilaceum* Schlechtd. det. B.G.Schubert  
 9605. *Aralia humilis* Cav.  
 9663. *Clematis dioica* L.  
 9893. *Hydrocotyle mexicana* Cham. & Schlechtd.  
 10297. *Mirabilis sanguinea* Heimerl  
 10323. *Okenia hypogaea* Schlechtd. & Cham.  
 10331. *Pedilanthus Pringlei* Robinson det. L. Croizat  
 10345. *Manihot colimensis* Croiz. " "  
 10346. *Okenia hypogaea* Schlechtd. & Cham.  
 10376. *Manihot colimensis* Croiz. det. L. Croizat  
 10452. *Mirabilis sanguinea* Heimerl  
 10480. *Castilleja lithospermoides* HBK.  
 10502. *Centella renifolia* (Lag.) Urb.  
 10911. *Triumfetta acracantha* Hochr.  
 10914. *Desmodium intortum* (Mill.) Urb. var. *apiculatum* Schubert det. BGS  
 10921. Change to *Russelia Hintoni* Lundell type-no.  
 11014. *Clematis dioica* L.  
 11031. *Desmodium prehensile* Schlechtd. det. B.G.Schubert  
 11080. *Castilleja chiapensis* Brandg.  
 11092. *Desmodium Sumichrastii* (Schindl.) Standl. det. B.G.Schubert  
 11098. *Clematis dioica* L. ?  
 11251. " " " ?  
 11295. *Aralia humilis* Cav.  
 11298. *Ilysanthes anagallidea* (Michx.) Robinson



Hinton Plants, 1947--2.

11348. *Desmodium orbiculare* Schlechtd. var. *rubricaula* (Rose & Painter) Schubert, ined. det. BG Schubert  
 11458. *Desmodium sericophyllum* Schlechtd. " " "  
 11505. *Clematis dioica* L.  
 11511. *Desmodium prehensile* Schlechtd. det. B.G.Schubert  
 11524. " *intortum* (Mill.) Urb. var. *apiculatum* Schubert det. BGS.  
 11545. *Cleome serrata* Jacq.  
 10574. *Croton glandulosus* subsp. *hirtus* (L'Hér.) Croiz. det. Croizat  
 11622. *Pisonia capitata* (Wats.) Standl.  
 10939. *Manihot colimensis* Croiz. det. Croizat  
 10973. *Pedilanthus Purpusii* Brandg. " "  
 11697. *Desmodium Sumichrastii* (Schindl.) Standl. " B.G.Schubert  
 11767. *Clematis dioica* L. ?  
 11818. *Croton calvescens* S. Wats. det. Croizat  
 11976. *Mirabilis sanguinea* Heimerl ?  
 11993. *Mimulus glabratus* HBK.  
 12177. *Desmodium sericophyllum* Schlechtd. det. B.G.Schubert  
 12425. *Mimulus glabratus* HBK.  
 12685. *Pedilanthus coalcomanensis* Croiz. det. Croizat  
 12690. *Croton pedicellatus* HBK. " "  
 12771. *Desmodium Sumichrastii* (Schindl.) Standl. " B.G.Schubert  
 12867. *Centaurium quitense* (HBK.) Robinson  
 12913. *Abutilon Hemsleyanum* Rose  
 12960. *Helianthemum exaltatum* (Rose & Standl.) R.C.Foster  
 13010. *Croton adpersus* Benth. det. Croizat  
 13123. *Eryngium phyteumae* Delar. f.  
 13171. *Linum hypericifolium* Presl  
 13230. *Triumfetta Mexiae* Morton, ined.  
 13257. *Delphinium bicornutum* Hemsl.  
 13264. *Spananthe paniculata* Jacq.  
 13280. *Holodiscus argenteus* var. *velutinus* (Rydb.) Ley  
 13286. *Desmodium strobilaceum* Schlechtd. det. B.G.Schubert  
 13328. *Bdallophyton* sp. male plant.  
 13353. *Clematis dioica* L.  
 13367. " " "  
 13394. *Neogoezia planipetala* Hemsl.  
 13477. *Castilleja glandulosa* Greenm. ?  
 13518. *Delphinium bicornutum* Hemsl.  
 13524. *Eryngium Bonplandii* Delar. f.  
 13575. *Rumex crispus* L.  
 13663. *Anoda* cf. *ctistata* (L.) Schlechtd.  
 13702. *Orthrosanthus chimboracensis* var. *exsertus* R.C.Foster  
 13791. *Nectandra* cf. *longicaudata* (Lundell) Allen det. C.K.Allen  
 13835. " " " " " " " " "  
 13845. *Russelia leptopoda* Lundell type-no.  
 ✓13957. Change to *Sphenostigma Hintonii* R.C.Foster  
 ✓13996. " " " " " " " " " type-no.  
 14320. *Mirabilis sanguinea* Heimerl ?  
 14587. *Ilysanthes anagalløidea* (Michx.) Robinson  
 14619. *Clematis dioica* L.  
 14638. *Triumfetta apetala* Hochr.  
 14796. *Linum hypericifolium* Presl (mixed with another species?)  
 14982. *Clematis grossa* Benth.  
 15097. Change to *Nama prostratum* Brand det. L. Constance  
 15106. *Orthrosanthus chimboracensis* var. *exsertus* R.C.Foster  
 15841. *Russelia tenuis* Lundell type-no.  
 16127A. Change to *Russelia teres* Lundell type-no.  
 16130. *Desmodium intortum* var. *apiculatum* Schubert det. B.G.Schubert  
 16131. " " " " " " " " "

84 24

- ✓ 1568. Valeriana sp.--not a member of the Umbelliferae!  
 — ✓ 1662. Rhodosciadium diffusum (C.& R.) Mathias & Constance  
 — ✓ 4108. Prionosciadium thapsoides (DC.) Mathias & Constance  
 × 4146. Prionosciadium sp.??--no fruit and flowers apparently  
           all sterile!  
 × 15612. Eryngium Ghiesbreghtii Dcne.  
 — ✓ 7939. Arracacia longipedunculata C.& R.  
 — × 7967. Donnellsmithia biennis (C.& R.) Mathias & Constance  
 — ✓ 8099. Rhodosciadium diffusum (C.& R.) Mathias & Constance  
 — ✓ 8138.           "                   "                   "                   "                   "  
 — ✓ 8904. Arracacia atropurpurea (Lehm.) Benth. & Hook.  
 — ✓ 10165.           "                   "                   "                   "                   "  
 — ✓ 14267. Ottoa oenanthoides H.B.K.  
 — ✓ 14324. Donnellsmithia serrata (C.& R.) Mathias & Constance  
 — ✓ 14382. Prionosciadium Nelsoni C.& R.  
 — ✓ 14384. Micropleura renifolia Lag.  
 — ✓ 14410. Arracacia atropurpurea (Lehm.) Benth. & Hook.  
 — ✓ 14762. Eryngium gracile Delar.  
 — ✓ 14883. Eryngium longifolium Cav.  
       ✓ 15380. Eryngium Bonplandi Delar.  
       ✓ 15381. Eryngium gracile Delar.  
       × 15600. Donnellsmithia mexicana (Robins.) Mathias & Constance  
       × 15674. Eryngium Beecheyanum Hook. & Arn.  
       × 15688. Eryngium longifolium Cav.

Plants not sent to Gray + Hook

- POLEMONIACEAE- × 15704. Loeselia mexicana (Lam.) Brand.--Det. by H.L. Mason, 1941

HERBARIUM GEO B. HINTON.  
UMBELLIFERAES  
Determined by Mathias & Constance.

91  
5-

UMBELLIFERAES

- ✓ 12188 Eryngium gracile Delar
- ✓ 12373 Daucus montana Humb. & Bonpl.
- × 15520 Daucus montana Humb. & Bonpl. *not sent*
- ✓ 12340 Neogoezia planipetala Hemsl.
- ✓ 12360 ~~13260~~ Coulterophytum laxum Robins.  
-----

(4)

HERBARIUM of Geo B, Hinton  
L A B I A T A E.  
Determined by Carl Erling

76

Hinton	✓ 14712	Pyptis mutabilis (Rich.) Brig.	already received
	✓ 10800	" lantanaefolia Poit.	
	✓ 12140	" rhomboidea M. & G.	
	✓ 12641	" mutabilis (Rich.) Brig.	
	✓ 14798	Salvia sapinea sp. nov. Type.	
	✓ 14758	" " "	
	✓ 14897	" Leninae sp. nov. Type.	
	× 15451	" microphylla Kunth	
	× 15444	Monarda austromontana Epl.	
	× 15443	Salvia clinopodioides Kunth	
	× 15442	" lavanduloides Kunth	
	× 15437	" mexicana L. var. minor Benth.	
	× 15371	" graviora Epl.	
	× 13160	" Sessei Benth.	
	× 13453	" elegans Vahl	
	aa 10838	" lavanduloides Kunth	
	× 12329	" chalarothyrsa Fern.	
	× 12171	" "	
aa. —	✓ 13570	" generaeflora L. & P.	

(2)

7 had already been sent or  
received from Ann. Arb.

HERBARIUM . . . GOE. B. - HINTON. .  
LABIATAE.  
Determined by. Carl Epling.

83  
26

- ✓ 11266 *Hyptis pseudolantana* sp.nov. type
- × 15726 *Salvia Mocinoi* Benth.
- × 15703 " *iodantha* Fern.
- × 15501 *Stachys boraginoides* C.& S.
- × 15677 *Salvia graviora* Epl.
- × 15545 *Salvia hispanica* L.
- × 12598 *Salvia languidula* Epl.
- × 15527 " *plurispicata* Epl.
- × 15485 " *longispicata* M. & G.
- ✓ 15399 *Lepechinia Nelsonii* (Fern.) Epl.
- ✓ 14961 " " " "
- ✓ 15140 *Hyptis macrocephala* M.&G.
- ✓ 14924 " *oblongifolia* Benth.
- ✓ 14655 " *spicigera* Lam.
- ✓ 14624 " *lantanaefolia* Poit.
- ✓ 14608 " *suaveolens* (L) Poit.
- × 13707 *Calamintha macrostema* Benth.
- × 13665 *Hyptia rhomboidea* M.& G.
- × 12988 *Hyptis albida* Kunth
- × 12891 *Hyptia oblongifolia* Benth.
- × 12837 *Salvia* (?) *riparia* Kunth
- ✓ 1597 *Hyptis involucrata* Benth.
- ✓ 14162 *Salvia Langlassii* Fern
- ✓ 14866 *Cunila polyantha* Benth.
- ✓ 14994 *Cunila polyantha* Benth.
- ✓ 14940 *Salvia tricuspis* Epl.

---

(13)

Sociedad Cooperativa de Producción de Minerales  
"MINERAL DEL RINCON SECCION 45" S. C. L.

NUM. DE REGISTRO DE LA SECRETARIA DE LA ECONOMIA NACIONAL; 830-P.

FECHA DE CONSTITUCION,

5 DE DICIEMBRE DE 1939.

MINA EL RINCON

VIA TOLUCA MEX.

DETERMINATIONS BY CARL . C. EPLING

105  
10

- 3878 *Mentha rotundifolia* L.
- 4098 " "
- o 3084 *Cunila pycnantha* R. & G.
- o 15772 *Leonotis nepetaefolia* R. Br.
- 12290 *Myrtis suaveolens* (L.) Poit.
- o 15744 *Salvia dasycalyx* Fern
- o 15769 " "
- o 15904 " *nisella* Kunth
- o 15887 *Myrtis albida* Kunth
- o 15755 *Calamintha macrostema* Lth.

entered  
5-21-69  
K.P.

Sociedad Cooperativa de Producción de Minerales  
"MINERAL DEL RINCON SECCION 45" S. C. L.

NUM. DE REGISTRO DE LA SECRETARIA DE LA ECONOMIA NACIONAL: 830-P.

FECHA DE CONSTITUCION.

5 DE DICIEMBRE DE 1939.

MINA EL RINCON

VIA TOLUCA MEX.

LABIATAE Determined by CARL EPLING.

L\_ "%/0

- 16255 Stachys coccinea Jacq.
- 16081 Salvia lavanduloides Kunth
- 16080 Hyptis septentrionalis Epl. ?
- 16079 Salvia iodantha Fern
- 16156 Hyptis subtilis Epl. (H. perpulchra Epl.)
- 16066 Salvia iodantha Fern
- 16064 Salvia gesneraeflora Lindl. & ~~Mart~~ Paxt.
- 16078 Salvia polystachya Kunth
- 16077 Salvia purpurea Cav.
- 16068 Salvia tiliaefolia Vahl.
- 16067 Salvia iodantha Fern
- 16058 Stachys coccinea Jacq.
- 16075 Salvia Teresae Fern
- 1117 Salvia Teresae Fern. correction - Salvia scaposa Epling -
- 16073 Salvia Xalapensis Benth.
- 16072 Salvia patens Cav.
- ✓ ◦ 15599 Salvia capilosa Epl. ?
- 16036 Salvia languidula Epl.
- 16069 Salvia oreopola Fern ?

Entered  
5-21-69  
K.R.

107

19

Herbarium of Geo. B. Hinton

Identified at the U.S. National Museum, October 1943.

- o 1719 *Salix Hartwegii* Benth det. C. R. Ball
- o 3807 *Juglans glabrata* Manning. det Manning
- o 3973 *Juglans glabrata* Manning n. sp. type
- 8212 *Selaginella binervis* Liebm. det. Morton
- 4251 *Calamagrostis* aff. *eriantha* det Chase
- 5154 *Thunbergia alata* Bojer det. Leonard
- *Microchloa Kunthii* Desv. det Chase 4476
- 5669 *Elytraria imbricata* (Vahl) Pers. det. Leonard
- 5685 *Ruellia inundata* H.B.K. det. Leonard
- 8858 *Selaginella Schaffneri* Hieron. det. Morton
- o 12884 *Tridax accedens* Blake n. sp. Type
- 12850 *Tridax accedens* Blake det Blake
- o 13654 *Perezia simulata* Blake n. sp. Type
- o 13793 *Jatropha* cfr. *cordifolia* Pax det. Croizat
- o 15691 *Oreopanax echinops* (Cham. & Schl.) Decne. & Planch. form  
det. A.C. Smith
- o 15718 *Lobelia cardinalis* var. *graminea* McVaugh det. McVaugh
- o 15765 *Pedilanthus coalcomanensis* Croizat n. sp. Type
- o 15793 *Pedilanthus Palmeri* Millsp. det. Croizat
- o 15838 *Perezia scapsa* Blake n. sp. Type
- o 15853 *Phyllanthus coalcomanensis* Croizat n. sp. Type
- o 15859 " " "
- o 15892 *Pedilanthus Purpusii* Brandeg. det. Croizat
- o 15899 *Croton xalapensis* H.B.K. det. Croizat
- o 15934 *Parietaria pennsylvanica* Muhl. sens. lat. det. Killip
- o 15935 *Phanerophlebia pumila* (Mart. & Gal.) Fée det. Maxon
- o 15936 *Dahlia coccinea* Cav. det. Blake
- o 15939 *Passiflora foetida* var. *Maxonii* Killip det. Killip
- o 15947 *Peperomia* sp. Not matched in U.S.N.H.
- o *Dahlia coccinea* Cav. det. Blake 15954
- o 15955 *Peperomia* sp. Not matched in U.S.N.H.
- o 15956 *Adiantum amplum* Presl ? det. Maxon & Morton
- o 15969 *Polypodium phyllitidis* L. det. Maxon.

o = not used by G. H.

9655 - missing

pay James Hinton

for 8 nos. at 15¢ each \$1.20

- Voucher appor.  
for Bursar  
Jan. 28, 44



90

3

HERBARIUM BY  
GEO B. HINTON  
) ) ) ) ) ) ) ) ) ) ) )

Identified by E.P. Killip.

URTICACEAE

Phenax hirtus (SW.) Wedd. form.

5239

not in G.H.

Pouzolzia occidentalis Wedd.

15432

- Not sent to Gray Her.

Identified by E.C. Leonard.

ACANTHACEAE.

Jacobinia sp. ? Not identifiable

Tetramerium Hillii Happ. n. sp. TYPE

5724

not in G.H.

Tetramerium Hintonii Happ.

3589

Cited in the original description.

not in G.H.

-----

Entered  
5-21-69  
K.R.

HERBARIUM OF GEO B. HINTON.  
PIPERACEAE.  
Determined by Wm. Trelease,

86  
23

- Peperomia.  
- ✓ 9145 P. pleacuerasana TYPE. ✓  
✓ 10652 (10632) P. Langlassei  
✓ 10783 (10183) P. montesensis TYPE  
- ✓ 10765 P. pasionana TYPE  
- ✓ 10672 P. pilasana TYPE.  
✓ 10280 (10282) P. pulicaris  
x 15661 P. tancitaroana TYPE.  
- ✓ 7226 P. opaca ✓  
- ✓ 7804 (7894) P. Jonesii ined.  
x 15662 P. cretifolia ined.

PIPER.

- ✓ 14017 P. auritum glabrum  
- ✓ 13633 P. coalcomanum TYPE.  
- ✓ 14050 P. obesispicuum var. Hintoni TYPE.  
- ✓ 10576 P. multinervium  
✓ 10348- (103684) P. multinervium f.  
- ✓ 10780 P. populifolium  
- ✓ 10506 P. Uhdei

POTHOMORPHE

- ✓ 10568 P. Nanchal TYPE  
- ✓ 10777 P. Lessertiana var. pasionis TYPE.

Arctottomia.

- ✓ 10261 (10251) A. Pavoniana  
- ✓ 13836 A. Micheliana  
- ✓ 4287 A. tejupicoana TYPE  
- ✓ 13855 A. aguilana

HERBARIUM GEO B. HINTON.  
POLEMONIACEAE.  
Determined by Dr. H.L. Mason.

82  
20

- ✓ 10078 *Loeselia amplexans* (H. & A.) Benth.
- ✓ 11574 " " " "
- ✓ 14024 " " " "
- ✓ 12534 *Bonplandia geminiflora* Cav. var *erosa* Brand
- ✓ 12707 *Loeselia mexicana* (Lam.) Brand
- [✓ 11276 *Bonplandia geminiflora* Cav. (var. *erosa* ? ) ]
- ✓ 12807 *Loeselia pumila* (Mart. & Galeot.) Walp.
- ✓ 11240 )
- ✓ 11164 )
- ✓ 11303 ) *Loeselia glandulosa* G. Don
- ✓ 8813 ) (a genetic complex)
- ✓ 13483 )
- ✓ 12743 )
- ✓ 11671 *Cobaea macrostema* Pav.
- ✓ 11945 *Cobaea scandens* Cav.
- ✓ 12736 )
- ✓ 11657 )
- [✓ 11276 ) *Bonplandia geminiflora* Cav. ]
- ✓ 13531 )
- ✓ 9841 )

-----

(19)

HERBARIUM-OF GEO. B. HINTON.  
VERBENACEAE.  
Identified by H.N. Moldenke.

05  
34

- ✓ 12170 *Priva aspera* H.B.K.
  - ✓ 12224 *Priva lappulacea*(L.) Pers.
  - ✗ ✓ 12257 *Phyla scaberrima* (A.L.Juss.) Moldenke.
  - ✓ 12301 *Lantana achyranthifolia* Desf.
  - ✓ 12315 *Lantana scandens* Moldenke. TYPE COLLECTION
  - ✓ 12383 *Lippia callicarpaefolia* H.B.K.
  - ✓ 12462 *Lantana achyranthifolia* Desf.
  - × 12968 *Phyla scaberrima* (A.L. Juss.) Moldenke.
  - × 12998 *Bouchea prismatica* var. *brevirostra* Grenz.
  - × 13585 *Lippia alba* (Mill.) N.E.Br.
  - × 13789 *Vitex Hemsleyi* Briq.
  - × 13798 *Phyla scaberrima* (A.L.Juss.) Moldenke.
  - × 13823 *Phyla nodiflora* var. *longifolia* Moldenke.
  - ✓ 13844 *Lantana velutina* Mart. & Gal.
  - ✓ 13852 *Lantana scorta* Moldenke.
  - ✓ 13961 *Lantana achyranthifolia* Desf.
  - ✓ 13968 *Bouchea prismatica* var. *brevirostra* Grenz.
  - ✓ 13970 *Priva lappulacea* (L.) Pers.
  - ✓ 13975 *Priva lappulacea* (L.) Pers.
  - ✓ 14121 *Vitex mollis* H.B.K.
  - ✓ 14135 *Petrea volubilis* L.
  - × 14146 *Duggena panamensis* (Cav.) Standl. (RUBIACEAE)
  - × 14151 *Stachytarpheta mutabilis* var. *violacea* Moldenke
  - × 14391 *Priva lappulacea* (L.) Pers.
  - ✓ 14523 *Phyla nodiflora* var. *canescens* (H.B.K.) Moldenke.
  - × 14538 *Heliotropium procumbens* Mill. (Boraginaceae)
  - × 14825 *Citharexylum glabrum* (S.Wats.) Greenm.
  - ✓ 14868 *Lippia callicarpaefolia* H.B.K.
  - ✓ 15183 *Lantana frutilla* Moldenke.
  - ✓ 15456 *Borreria podocephala* DC. (RUBIACEAE)
  - × 15606 *Citharexylum hidalgense* Moldenke.
  - × 15678 *Citharexylum Sessaei* D.Don
  - × 15625 *Priva aspera* H.B.K.
  - × 15706 *Lippia umbellata* Cav.
-

Mexican plants collected by George E. Hinton

Lot. 11 first report.  
(acc.no.162529)

Entered  
5-21-69  
JK  
11531  
135

Identified by C.V. Morton except as otherwise indicated,  
U.S. National Museum, June, 1942.

- Gramineae.- Identified by Agnes Chase  
Lasiacis ruscifolia (H.B.K.) Hitchc. 16121  
Olyra latifolia L. 16137  
○ Pharus Mezii Prod. 16043, 16059. A very rare species, not found before north of Costa Rica.
- Palmae.  
○ Chamaedorea sp. Not matched in our collection. It may be new. 15984
- Araceae.  
○ Xanthosoma roseum Schott 16047
- Commelinaceae.  
Tinantia leiocalyx Clarke 15985  
Tradescantia disgrega Kunth 16050
- Liliaceae.  
Anthericum echeandioides Baker 16162
- Cannaceae.  
Canna edulis Ker? 16165
- Zingiberaceae.  
○ Costus mexicanus Liebm.? 16011  
Zingiber officinale Rosc. 16007 Introduced
- Silicaceae.  
Salix taxifolia H.B.K. 16141
- Ulmaceae.  
Trema micrantha (L.) Blume 16260
- Moraceae.  
Trophis racemosa (L.) Urban 16291
- Urticaceae.  
Pilea microphylla Liebm. 16114
- Opiliaceae.  
Agonandra racemosa (DC.) Standl. 16304
- Aristolochiaceae.  
○ Aristolochia odoratissima L. 16147  
○ Aristolochia pardina Duchartre 16167
- Polygonaceae.  
○ Coccoloba floribunda (Benth.) Lindau 16132  
○ Coccoloba Juergensenii Lindau 16033, 16271
- Amaranthaceae.  
○ Celosia Moquini Guillem. 16173. A rare species.  
○ Lagrezia (Celosia) Monosperma (Rose) Standl. 16200
- Nyctaginaceae.  
Commicarpus scandens (L.) Standl. 16220  
Mirabilis jalapa L. 16017
- Phytolacaceae.  
Phytolacca octandra L. 16183  
Rivina humilis L. 16004, 16311
- Ranunculaceae.  
○ Anemone mexicana H.B.K. 16071  
Clematis dioica L. 16181, 16208
- Lauraceae  
○ Nectandra nitida Mez ? 16215  
Nectandra sanguinea Rottb. 16250

criticized  
5-21-69  
12K

115-2

## Hernandiaceae.

- *Gyrocarpus americanus* Jacq. 16187

## Papaveraceae.

- ( *Bocconia arborea* Wats. 16179

## Capparidaceae.

- *Cleome pilosa* Benth. 16019

## Mimosaceae.

- Acacia glomerosa* Benth. 16110

- Leucaena macrophylla* Benth. 16182

- Piptadenia constricta* (Micheli & Rose) Macbride 16102

## Caesalpinaceae.

- *Bauhinia amblyophylla* Harms 16113

- *Bauhinia subrotundifolia* Cav. 16217

- *Bauhinia unguolata* L. 16240

- *Caesalpinia cacalaco* H. & B. 16199

- *Caesalpinia caladenia* Standl. 16198, 16228

- *Caesalpinia eriostachys* Benth. 16216, 16224

- *Cassia biflora* L. 16012

- *Cassia* sp. 15995

- *Cassia* sp. 16105

- *Swartzia ochracea* DC. 16230

## Fabaceae.

- *Aeschynomene Palmeri* Rose 16060, 16163

- *Aeschynomene rudis* Benth. 16016

- *Apoplanesia paniculata* Presl 16034

- *Centrosema pubescens* Benth. 16154, 16222

- *Crotalaria longirostrata* H. & A. 16157

- *Coursetia mollis* Rob. & Greenm. 16225

- *Dalea unifoliolata* Rob. & Greenm. 16158

- *Diphysa puberulenta* Rydb. 16205. Not typical

- *Drepanocarpus lunatus* Mey. 16283

- *Erythrina leptorhiza* DC.? This number is probably wrong. We have another 15402 *Eurya* sp. This specimen was collected at Sultepec, June 18, 1940.

It is a prickly herb with a long root and trifoliolate leaves.

- *Gliridicia sepium* (Jacq.) Steud. 16234, 16288, 16289

- *Indigofera mucronata* Spring 16117

- *Lonchocarpus parviflorus* Benth. 16272

- *Phaseolus* (*Ramirezella*) *strobilophorus* (Rob.) Morton 16138

- *Tephrosia multifolia* Rose 16180

- *Tephrosia piscatoria* (Ait.) Pers. 16116

- *Wenderothia villosa* (Benth.) Piper 16263

## Rutaceae.

- *Pilocarpus longipes* Rose 16178 Not common.

## Simarubaceae.

- *Alvaradoa amorphoides* Liebm. 16035, 16115

- *Quassia amara* L. 16221

## Burseraceae.

- *Bursera* spp. Will report later. 15992, 16010, 16148, 16149, 16150, 16279

## Meliaceae.

- *Trichilia colimana* C. DC. 16303

## Malpighiaceae.

- *Bunchosia Lindeniana* Juss. 16101, 16280

- *Gaudichaudia cynanchoides* H.B.K. 16111

- *Thryallis gracilis* (Bartl.) Kuntze 16245

## Euphorbiaceae.

- *Acalypha ocymoides* H.B.K.? 16030

- *Euphorbia adenoptera* Bertol. 16252

- *Euphorbia Francoana* Boiss. 16119

- *Phyllanthus brasiliensis* (Aubl.) Poir. 16109

continued  
5-21-69  
KR

115-3

## Sapindaceae.

- Cupania glabra Sw. 16152  
Thouinidium sp.? 16277

## Rhamnceae.

- Colubrina glomerata (Benth.) Hemsl. 16207, 16261  
Zizyphus mexicana Rose 16210

## Vitaceae.

- Cissus sicyoides L. 16028 A teratological form.

## Tiliaceae.

- Belltia insignis Baill. 16145, 16306  
Heliocarpus tigrinus Hochr. Previously known only from type. 16118  
Triumfetta lappula L. 15996  
Triumfetta semitriloba Jecq. 16238

## Sterculiaceae.

- Ayenia Wrightii Rob. 16211 A rarity.

## Dilleniaceae.

- Saurauja serrata DC. 16257

## Guttiferae.

- Calophyllum brasiliensis var. Rekoii. (Standl.) Standl. Probabli en exten  
sion od range. (cion.)  
Rheedia edulis (Seem.) Tr. & Planch. 16144

## Cochlospermaceae.

- Cochlospermum vilifolium (Willd.) Spreng. 16273

## Flacoutiaceae.

- Casearia Pringlei Brinq. 16406  
Xylosma flexuosum (H.B.K.) Hemsel. 16209

## Myrtaceae.

- Eugenia exillaria (Sw.) Willd. 16244  
Eugenia Mex iae Standl. 16124, 16266, 16274. A rare species.  
Eugenia sp. 16212  
Eugenia sp. 16292

## Onagraceae,

- Lopezia pubescens. H.B.K. 16251  
Riesanbachia sp.? Probably n. sp. Will be reported later. 16133, 16136,  
16297

## Theophrastaceae.

- Jacquinia aurantaica Ait. 16201  
Jacquinia pungens Gray 16282

## Myrsinaceae.

- Ardisia compressa H.B.K. 16265

## Plumbaginaceae

- Plumbago scandens L. 16185

## Gentianaceae.

- Schultesia guianensis (Aubl.) Malme 16151

## Asclepiadaceae.

- Asclepias curassivica L. This number is wrong. No. 15398 is Coriaria  
thymifolia. This plant was collected at Sultepec, June 17 1940.

## Apocynaceae.

- Mandevilla ? Will be reported later.

## Cuscutaceae.

- Cuscuta spp. Will be reported later. 16286, 16294

## Polemoniaceae.

- Loeselia amplexans (H. & A.) Benth. 16160

## Loeselia pumila M. &amp; G. 16191

- Bonplandia geminiflora Cav. 16134

- Bonplandia geminiflora var. erosa Brand 16041, 16202

## Solanaceae

- Solanum piluliferum Benth. 16005

collected  
5-21-69  
K.R. 117-2

Bignoniaceae.

- Amphilophium paniculatum (L.) H.B.K. 16278
- Cydista diversigolia (H.B.K.) Miers 16213
- Tabebuia Donnell-Smithii Rose 16307
- Tecoma stans (L.) H.B.K. 16142

Gesneriaceae.

- Achimenes antirrhina (DC.) Morton 15993
- Achimenes longiflora DC. 15997

Rubiaceae.

- Guettarda alliptica Sw. 16122
- Guettarda sp.? 16143
- Sickingia mexicana Bullock 15987
- Cayaponia attenuata Cogn. 16226 (Cucurbitaceae)

Cucurbitaceae.

- Elaterium gracile Cogn. 16003

Lobeliaceae

- Heterotoma cordifolia (H. & A.) McV. det. R. McVaugh. 16192, 16298

Family unknown.

- Sterile leaves with insect galls 16219
- Not recognized. 16177. In fruit.



Maxican Ferns collected by Geo. B. Hinton  
(Acc. 162529)

116  
20

Identified by William R Maxon, U.S.National Museum, June 1942.

asa  
ash

ask

- 16025. *Pteris grandifolia* L.
- 16026. *Tectaria heracleifolia* (Willd.) Underw.
- 16039. " *dilacerata* (Kunze) Maxon.
- 16040. *Dryopteris mexicana* (Presl) C.Chr.
- 16065. (New genus. To be describet by Ballard at Kew?)
- 16155. *Dryopteris mexicana* (Presl) C.Chr.
- 16171. *Athyrium Skinneri* Moore
- 16172. *Tectaria dilacerata* (Kunze) Maxon
- 16254. *Dennstaedtia rubiginosa* (Kaulf.) Moore
- 16256. *Dryopteris dentata* (Forsk) C.Chr.
- 16258. *Diplazium lonchophyllum* Kunze
- 16262. *Hemitelia costaricensis* (Kl.) Mett.
- 16264. *Blechnum occidentale* L.
- 16267. *Dennstaedtia rubiginosa* (Kaulf.) Moore
- 16269. *Polypodium phyllitidis* L.
- 16284. *Dryopteris Feei* C.Chr.? Rhizome wanting.
- 16290. *Tectaria heracleifolia* (Willd.) Underw.
- 16293. *Pityrogramma calomelanos* (L.) Link
- 16295. " " " "
- 16301. *Adiantum trapeziforme* L.
- 16305. *Bolbitis cladorrhizans* (Spreng.) Ching

Entered  
5-21-69  
K.R.