

Killip-Smith, Colombia.

- ✓14005. *Beureria cumanensis* (Loefl.) Schulz)
✓14086. *Nissolia fruticosa* Jacq. (Exact match for type at Brit. Mus., which has long inflorescences)
✓14112. *Caesalpinia crista* L.
✓14300. *Bauhinia pavetta* Pers. (Det. N. L. B.)
✓14302. *Desmodium albiflorum* Salzm.
✓14396. *Trigonostemon membranacea* A. C. Smith (type)
✓14414. *Morisonia americana* L.
✓14429. *Desmodium uncinatum* (Jacq.) DC.
✓14448. *Parosela barbata* (Oerst.) Rydb.
✓14635. *Nephromeria infracta* (DC.) Schindl.
✓14695. *Lonchocarpus punctatus* H. B. K.
✓14760. *Desmodium axillare* (Sw.) DC.
✓14763. *Renealmia strobilifera* P. & E.
✓14827. *Desmodium molliculum* (H. B. K.) DC.
✓14911. " *barbatum* (L.) Benth.
✓14979. *Megaskepasma erythrochlamys* Lindau (Erroneously reported as 14779)
✓15171. *Spherospermum buxifolium* P. & E. (Det. A. C. Smith)
✓15242. *Rynchospora caracasana* (Kunth) Boeckl. (Det. Gross)
✓15394. *Trigonostemon sericea* H. B. K.
✓15485. *Carex cladostachya* Wahl (Det. Gross)
✓15649. *Xyris acutifolia* (Heimerl) Malme
✓15868. *Disterigma alaternoides* (H. B. K.) Ndz.
✓15873. *Guzmania candelabrum* André
✓15958. *Guzmania coriostachya* (Griseb.) Mez
✓16000. *Desmodium adscendens* (Sw.) DC.
✓16005. *Cyperus niger* R. P. (C. *melanostachyus* H. B. K.; det. Gross)
✓16062. *Carex purdiei* Boott (Det. Gross)
✓16437. *Polymnia riparia* H. B. K.
✓16444. *Desmodium uncinatum* (Jacq.) DC.
✓16591. *Desmodium campylocladum* Hemsl.
✓16634. *Marcgravia rectiflora* Tr. & Pl.?
✓16837. *Parosela coerulea* (L. f.) Macbr.
✓16854. *Phaseolus erythroloma* Mart.
✓17119. *Carex cladostachya* Wahl (Det. Gross)
✓17143. *Psoralea mexicana* (L. f.) Vail
✓17290. *Lupinus santanderensis* C. P. Smith (type)
✓17409. *Plantago* (aff. *P. linearis* H. B. K.)
✓17727. *Vaccinium moritzianum oblongum* Kl.
✓17775. *Oreopanax cyclophyllum* Harms (type)
✓18007. *Parosela coerulea* (L. f.) Macbr.
✓18043. *Polymnia pyramidalis* Triana
✓18093. *Carex bonplandii* Kunth (Det. Gross)
✓18376. *Oreopanax santanderianum* Harms (type)
✓18391. *Aragoa lycopodioides* Benth. (Det.) Pennell
✓18503. *Lupinus mutabilis* Sweet
✓18572. *Aragoa lycopodioides* Benth. (Det. Pennell)
✓18582. *Aragoa lycopodioides* Benth. (Det. Pennell)
✓18687. *Oreopanax killipii* Harms (type)

K.-S, Colombia-2

- ✓18689. *Greigia columbiana* L. B. Smith (type)
- ✓18694. *Lupinus humifusus famelicus* C. P. Smith (type)
- ✓18909. *Vaccinium caracasenum* H. B. K.
- ✓18953. *Carex purdiei* Boott (Det. Gross)
- ✓19023. *Psoralea mexicana* (L.f.) Vail
- ✓19049. *Macrocnemum latilimbum* Standl.
- ✓19120. *Psoralea mexicana* (L. f.) Vail
- ✓19489. *Carex cladostachya* Wahl. (Det. Gross)
- ✓19504. *Parosela caerulea* (L. f.) Macbr.
- ✓19621. *Aragoa lycopodioides* Benth. (Det. Pennell)
- ✓19632. *Lobelia tenera* H. B. K.
- ✓19654. *Ligustrum lucidum* Ait.
- ✓19693. *Polymnia pyramidalis* Triana
- ✓19697. *Panopsis suaveolens* (Kl.) Pittier (Det. A.. C. Smith)
- ✓19888. *Psoralea mexicana* (L. f.) Vail
- ✓20078. *Carex cladostachya* Wahl. (Det. Gross)
- ✓20195. *Guzmania mitis* L. B. Smith (type)
- ✓20252. *Spherospermum cordifolium* Benth.
- ✓20484. *Polymnia pyramidalis* Triana
- ✓20688. *Gaulthera ramosissima* Benth.
- ✓20799. *Polymnia riparia* H. B. K.
- ✓20910. *Phaseolus erythroloma* Mart.
- ✓20978. *Ruellia tuberosa* L. (Det. Leonard)
- 21057. *Beureria succulenta* Jacq.
- ✓21191. *Fuchsia hybrida* Voss.

Colombia:

Killip & Smith:

- ✓14020. *Hippocratea verrucosa* HBK. (type loc.) (comp. type at P.)
- ✓14116. " " "
- ✓14115. *Bursera glabra* (Jacq.) Tr. & Pl. (approx. type loc.)
(ex illustr.)
- ✓14192. *Celtis aculeata* Sw.
- ✓14207. *Gouania tomentosa* Jacq.
- ✓14326. *Bombax cumanense* HBK. (comp. type at P.)
- ✓14384. (N) *Phthirusa pyrifolia* (HBK.) Eichl.
- ✓14547. *Lecythis elliptica* HBK. (comp. type at P.)
- ✓14590. *Cissus erosa* L.C.Rich.
- ✓14655. *Disciphantha appendiculata* Diels
- ✓14657. *Zizyphus strychnifolia* Tr. & Pl.
- ✓14704. *Cissus erosa* L.C.Rich.
- ✓14742. " " "
- ✓14817. *Gouania tomentosa* Jacq.
- ✓14881 *Chelonanthus acutangulus* (R. & P.) Gilg
- ✓14905. *Corynostylis arborea* (L.) Blake
- ✓14977. *Phthirusa theobromae* (Willd.) Eichl.
- ✓14983. *Clematis caripensis* HBK.
- ✓14998. *Chelonanthus angustifolius* (HBK.) Gilg (comp. type at P.)
- ✓15001. *Bejaria subserrata* Fedtsch. & Basil. (type loc.) (comp.
type coll. at P.)
- ✓15122. *Clusia petiolaris* Pl. & Tr. (comp. type coll. at K.)
- ✓15217. *Rhytidanthera sulcata* v. Tiegh. (comp. type at P.)
- ✓15220. *Persea Mutisii* HBK.
- ✓15380. *Smilax Pöppigii* Kunth
- ✓15456. (N) *Smilax cumanensis* H. & B.
- ✓15476. *Ficus gigantea* HBK. (comp. type at P.)
- ✓15575. *Monnina mollis* Pl. & Lind.
- ✓15668. (N) *Sisyrinchium bogotense* HBK.
- ✓15788. *Vaccinium caracasenum* HBK.
- ✓15815. *Gaultheria rigida* HBK.
- ✓15837. *Gaultheria buxifolia* Willd.
- ✓15855. *Gaultheria rigida* HBK.
- ✓15894. *Ilex uniflora* Benth.
- ✓15905. *Symbolanthus latifolius* Gilg
- ✓15913. *Gaultheria rigida* HBK. (comp. type at P.)
- ✓15985. *Disterigma alaternoides* (HBK.) Nied.
- ✓15988. *Gaultheria buxifolia* Willd.
- ✓16039. *Siparuna venezuelensis* Perk.
- ✓16089. *Hydrangea durifolia* Briq. (comp. type at C.)
- ✓16106. *Cissampelos pareira* L. v. *Haenkeana* Presl
- ✓16209. *Bombax barrigon* (Seem.) Decne. (comp. type at K.)
- ✓16260. *Bredemeyera lucida* (Benth.) Benn.
- ✓16326. *Aristolochia maxima* Jacq. (!O.C.Schmidt)
- ✓16329. *Clematis caripensis* HBK.
- ✓16319. *Phthirusa pyrifolia* (HBK.) Eichl.
- ✓16331. *Bombax barrigon* (Seem.) Decne.
- ✓16361. *Trichilia alba* C.DC. var. (det. Harms)
- ✓16383. *Daphnopsis tinifolia* (Sw.) Meissn.
- ✓16552. *Smilax tomentosa* HBK.
- ✓16620. *Panopsis suaveolens* (Kl.) Pittier (comp. type at B.)
- ✓16758. *Boussingaultia baselloides* HBK. (comp. type at P.)
- ✓16765. *Gaultheria buxifolia* Willd.

Killip & Smith (cont.):

- ✓16766. *Vaccinium caracasatum* HBK.
- ✓16767. " "
- ✓16907. " "
- ✓16939. *Cissus rhombifolia* Vahl
- ✓17056. *Clethra repanda* Turcz. (comp. type coll. at K.)
- ✓17085. *Picramnia corallodendron* Tul.
- ✓17096. *Cleome gigantea* L.
- ✓17126. *Gaultheria rigida* HBK.
- ✓17274. *Bejaria resinosa* Mutis
- ✓17350. *Cleome anomala* HBK. (comp. type at P.)
- ✓17352. *Berberis Guillache* Tr. & Pl.
- ✓17420. *Monnina densa* Pl. & Lind.
- ✓17504. *Pernettya Pentlandii* DC. v. *parvifolia* (Benth.) Wedd.
- ✓17552. (N) *Sisyrinchium pusillum* HBK.
- ✓17558. *Vaccinium floribundum* HBK.
- ✓17609. " "
- ✓17637. *Pernettya Pentlandii* DC. v. *parvifolia* (Benth.) Wedd.
- ✓17668. " " " "
- ✓17719. *Bejaria resinosa* Mutis
- ✓17727. *Vaccinium moritzianum* Kl. v. *oblongum* Kl.
- ✓17785. *Distierigma alaternoides* (HBK.) Nied.
- ✓17791. *Distierigma empetrifolium* (HBK.) Nied.
- ✓17886. *Daphnopsis bogotensis* Meissn. (comp. type at K.)
- ✓17890. *Monnina mollis* Pl. & Lind. (comp. type coll. at K.)
- ✓17918. *Pernettya myrsinoides* (HBK.) Zucc.
- ✓17927. *Monnina densa* Pl. & Lind.
- ✓17936. *Orthrosanthus chimboracensis* (HBK.) Baker
- ✓18040. *Gaultheria rigida* HBK.
- ✓18048. *Gaultheria scabra* Willd.
- ✓18049. *Gaultheria buxifolia* Willd.
- ✓18153. *Ocotea calophylla* Mez
- ✓18213. *Bejaria resinosa* Mutis
- ✓18264. *Gaultheria buxifolia* Willd.
- ✓18300. *Picramnia corallodendron* Tul. (comp. type at P.)
- ✓18368. *Gaultheria rigida* HBK.
- ✓18371. *Smilax floribundum* Kunth.
- ✓18381. *Monnina elongata* Pl. & Lind. (comp. type coll. at K.)
- ✓18383. *Vaccinium caracasatum* HBK.
- ✓18390. *Bejaria resinosa* Mutis
- ✓18415. *Pernettya Pentlandii* DC. v. *parvifolia* (Benth.) Wedd.
- ✓18418. *Vaccinium floribundum* HBK.
- ✓18468. " "
- ✓18535. *Sisyrinchium bogotense* HBK.
- ✓18633. *Pernettya Pentlandii* DC. v. *parvifolia* (Benth.) Wedd.
- ✓18636. *Distierigma empetrifolium* (HBK.) Nied.
- ✓18657. *Sisyrinchium bogotense* HBK.
- ✓18768. *Distierigma alaternoides* (HBK.) Nied.
- ✓18819. *Clethra fagifolia* HBK. (comp. type at P.)
- ✓18894. *Vaccinium caracasatum* HBK.
- ✓18899. " "
- ✓18905. *Gaultheria buxifolia* Willd.
- ✓18909. *Vaccinium caracasatum* HBK.
- ✓18911. *Cissus rhombifolia* Vahl
- ✓18929. *Gaylussacia buxifolia* HBK.
- ✓18934. *Gaultheria rigida* HBK.

Killip & Smith (cont.):

- ✓18972. *Siparuna venezuelensis* Perk.
- ✓19150. x " "
- ✓19177. " "
- ✓19299. *Gaultheria buxifolia* Willd.
- ✓19307. " "
- ✓19326. *Smilax floribunda* Kunth.
- ✓19470. *Picramnia gracilis* Tul.
- ✓19530. *Vaccinium moritzianum* Kl. v. *oblongum* Kl. (comp. type at B.)
- ✓19531. *Bejaria resinosa* Mutis
- ✓19570. *Monnina densa* Pl. & Lind.
- ✓19575. *Pernettya Pentlandii* DC. v. *parvifolia* (Benth.) Wedd.
- ✓19610. *Gaultheria bracteata* (Cav.) G. Don
- ✓19709. *Gaultheria buxifolia* Willd.
- ✓19722. " " " (comp. type at B.)
- ✓19758. *Maytenus Jamesonii* Briq. (comp. type coll. at K.)
- ✓19815. *Bejaria lindeniana* Hering (comp. type at P.)
- ✓19836. *Symbolanthus tricolor* Gilg
- ✓19877. *Lagenanthus princeps* (Lindl.) Gilg (comp. type at K.)
- ✓20027. *Symbolanthus tricolor* Gilg
- ✓20203. *Prunus recurviflora* Koehne (comp. type at B.)
- ✓20283. *Monnina mollis* Pl. & Lind.
- ✓20515. *Nectandra reticulata* (R. & P.) Mez
- ✓20577. *Gaultheria buxifolia* Willd.
- ✓20579. *Symbolanthus tricolor* Gilg (type loc.) (comp. type at B.)
- ✓20596. *Persea Mutisii* HBK.
- ✓20610. *Clethra bicolor* HBK. (comp. type at P.)
- ✓20626. *Ternstroemia meridionalis* Mutis v. *nigricans* Choisy
- ✓20671. *Disterigma alaternoides* (HBK.) Nied.
- ✓20677. *Ternstroemia meridionalis* Mutis v. *nigricans* Choisy
- ✓20678. *Disterigma alaternoides* (HBK.) Nied.
- ✓20679. *Rhamnus Goudotianus* Tr. & Pl.
- ✓20682. *Gaultheria rigida* HBK.
- ✓20687. *Bejaria resinosa* Mutis
- ✓20703. *Gaultheria buxifolia* Willd.
- ✓20740. *Dendrophthora squamigera* (Benth.) B. & H. (comp. type at K.)
- ✓20882. *Ocotea macropoda* (HBK.) Mez vel aff.
- du ✓20893. *Gouania pubescens* Lam.
- ✓20896. *Bredemeyera floribunda* Willd.
- ✓20899. *Ocotea Bofo* HBK. (comp. type at P.)
- ✓20914. (N) *Phthirusa pyrifolia* (HBK.) Eichl.
- ✓20998. *Ayenia magna* L.
- ✓21081. *Struthanthus orbicularis* (HBK.) Blume
- ✓21132. *Gouania tomentosa* Jacq.
- ✓21161. *Siparuna venezuelensis* Perk. (comp. type coll. at K.)
- ✓21179. *Vaccinium floribundum* HBK. (comp. type ~~at P.~~ at P.)

KILLIP & SMITH -- COLOMBIA

(Det. Standley)

- ✓14023. *Alternanthera brasiliana* (L.) Kuntze
 ✓14055. " " " "
 Du 14065. *Amaranthus dubius* Mart.
 ✓14114. *Alternanthera brasiliana* (L.) Kuntze
 ✓14389. *Amaranthus dubius* Mart.
 Du 14446. *Alternanthera ficoidea* (L.) R. Br.
 ✓14580. " *polygonoides* (L.) R. Br.
 Du 14725. " *ficoidea* (L.) R. Br.
 ✓16194. *Iresine celasia* L.
 Du 16206. *Pfaffia iresinoides* (H.B.K.) Spreng.
 ✓16460. *Alternanthera elongata* (Willd.) Standl.
 Du 16470. *Pfaffia iresinoides* (H.B.K.) Spreng.
 ✓16693. *Iresine celasia* L.
 Du 16754. *Alternanthera repens* (L.) Kuntze
 ✓16974. *Iresine celasia* L.
 ✓16998. *Alternanthera elongata* (Willd.) Standl.
 ✓17116. *Iresine argutata* (Mart.) D. Dietr.
 ✓17311. " *celasia* L.
 ✓17384. *Iresine celasia* L.
 ✓17896. " " "
 ✓18338. " " "
 ✓19129. " *spiculigera* Seub.
 ✓19264. " *celasia* L.
 Du 19661. *Amaranthus hybridus* L.
 ✓20035. *Alternanthera microcephala* var. *laticeps* Standl.
 ✓20459. " " " "
 ✓20501. " *elongata* (Willd.) Standl.
 ✓20925. *Cyathula achyranthoides* (H.B.K.) Moq.
 Du ✓20890. *Pfaffia iresinoides* (H.B.K.) Spreng.
 ✓21011. *Chamissoa altissima* (Jacq.) H.B.K.

LIST OF DETERMINATIONS OF THE KILLIP & SMITH COLOMBIAN COLLECTION.

Compositae named by Dr. S. F. Blake
Cuscuta named by T. G. Yuncker

- ✓14037. *Spilanthus urens* Jacq.
- ✓14042. *Mentzelia aspera* L.
- ✓14092. *Coccolobis uvifera* (L.) Jacq.
- ✓14169. *Melampodium divaricatum* (Rich:) DC.
- ✓14223. *Elvira biflora* (L.) DC.
- ✓14242. " " " "
- ✓14249. *Milleria quinqueflora* L.
- ✓14282. *Tridax procumbens* L.
- 14322 ✓14322. *Spilanthus urens* Jacq.
- ✓14646. *Lactuca intybacea* Jacq.
- ✓15111. *Ichthyothere terminalis* (Jacq.) Blake
- 15255. *Erechtites hieracifolia* (L.) Raf.
- ✓15436. *Trixis radialis* (L.) Kuntze
- ✓15443. *Cosmos caudatus* H. B. K.
- ✓15537. *Erechtites valerianaefolia* (Wolf) DC.
- ✓15828. *Achyrocline crassipes* Blake
- ✓15833. *Chrysanthemum parthenium* (L.) Bernh.
- 15870. *Sonchus oleraceus* L.
- ✓16184. *Trixis radialis* (L.) Kuntze
- ✓16417. *Cuscuta corymbosa* R. & P.
- ✓16624. *Aster marginatus* H. B. K.
- ✓16672. *Jaegeria hirta* (Lag.) Less.
- ✓16762. *Erigeron karvinskianus* DC.
- ✓17021. " " "
- ✓17194. *Franseria artemisioides* Willd.
- ✓17375. *Mutisia clematitis* L. f.
- ✓17500. *Loricaria complanata* (Sch. Bip.) Wedd.
- 17563. *Diplostephium revolutum* Blake
- ✓17629. *Diplostephium revolutum* Blake
- ✓17652. " " "
- ✓17884. *Franseria artemisioides* Willd.
- ✓17906. *Cuscuta grandiflora* H. B. K.
- ✓18234. *Achyrocline crassipes* Blake
- ✓18484. *Aster marginatus* H. B. K.
- ✓18496. *Achyrocline crassipes* Blake
- 18634. *Diplostephium revolutum* Blake
- 18668. *Aster marginatus* H. B. K.
- ✓18695. *Diplostephium revolutum* Blake
- ✓18714. *Achyrocline crassipes* Blake
- ✓18763. *Erigeron bonariensis* L.
- ✓18787. " " "
- ✓19022. *Loasa triphylla papaverifolia* (H. B. K.) Urb. & Gilg
- ✓19122. *Sonchus oleraceus* L.
- ✓19600. *Mutisia clematitis* L. f.
- ✓19638. *Aster marginatus* H. B. K.
- ✓19645. *Cuscuta grandiflora* H. B. K.

- ✓19663. *Aster marginatus* H. B. K.
- ✓19671. *Chrysanthemum parthemum* (L.) Bernh.
- ✓19676. *Franseria artemisioides* Willd.
- ✓20003. *Aster marginatus* H. B. K.
- ✓20180. *Cuscuta corymbosa* R. & P.
- ✓20392. *Loasa triphylla papaverifolia* (H. B. K.) Urb. & Gilg
- ✓20683. *Sonchus oleraceus* L.
- ✓20906. *Pluchea odorata* (L.) Cass.
- ✓20947. *Trixis radialis* (L.) Kuntze
- ✓20968. " " " "
- ✓20973. *Tessaria integrifolia* R. & P.
- ✓20982. *Tridax procumbens* L.
- ✓21019. *Isocarpha oppositifolia* (L.) R. Br.
- ✓21023. *Elvira biflora* (L.) DC.
- ✓21045. *Cuscuta americana* L.
- ✓21071. *Egletes humifusa* Less.
- ✓21183. *Sonchus oleraceus* L.

PLANTS COLLECTED IN SOUTH AMERICA BY KILLIP & SMITH--1926

- ✓14065 *Amaranthus dubius* Mart.
✓14270 *Aristolochia inflata* H. B. K.
✓14278 *Chenopodium ambrosioides* L.
✓14279 *Argemone mexicana* L.
✓14347 *Mirabilis jalapa* L.
✓14378 *Boerhaavia erecta* L.
✓14395 *Trema micrantha* (L.) Blume
✓14435 *Capparis flexuosa* L.
✓14446 *Alternanthera ficoidea* (L.) Lam.
✓14455 *Capparis flexuosa* L.
✓14520 *Callisia repens* L.
✓14541 *Aristolochia inflata* H. B. K.
✓14602 *Cleome spinosa* L.
✓14615 *Sagittaria latifolia* Willd. (form)
✓14659 *Campelia zanonii* (L.) H. B. K.
✓14725 *Alternanthera ficoidea* (L.) Lam.
✓14818 *Chamissoa altissima* (Jacq.) H. B. K.
✓14893 *Gomphrena globosa* L.
✓14906 *Cleome spinosa* L.
✓14927 *Naias guadalupensis* (Spreng.) Morong
✓15013 *Tradescantia cumanensis* Kunth
✓15256 *Hypoxis decumbens* L.
✓15296 *Quercus humboldtii* Bonpl.
✓15399 *Arenaria lanuginosa* (Michx.) Rehrb.
✓15525 *Tovaria diffusa* (Macf.) F. & R.
✓15538 *Arenaria lanuginosa* (Michx.) Rehrb.
✓15557 *Bocconia frutescens* L.
✓15600 *Urtica ballotaefolia* Wedd.
✓15603 *Montia fontana* L.
✓15614 *Cerastium glutinosum* H. B. K.
✓15721 *Orthrosanthus chimboracensis* (H. B. K.) Baker
✓15728 *Montia fontana* L.
✓15789 *Calandrinia caulescens* H. B. K.
✓15895 *Quercus humboldtii* Bonpl.
✓15998 *Myrica pubescens* Willd.
✓16027 *Tropaeolum coccineum* Hughes
✓16095 " *flavipilum* Killip (type)
✓16142 *Drymaria gracilis* C. & S.
✓16206 *Pfaffia iresinoides* (H. B. K.) Ktze.
✓16230 *Chlorophora tinctoria* (L.) Gaud
✓16241 *Trema micrantha* (L.) Blume
✓16359 *Dorstenia houstoni* L.
✓16428 *Salix humboldtiana* Willd.
✓16470 *Pfaffia iresinoides* (H. B. K.) Ktze.
✓16633 *Campelia zanonii* (L.) H. B. K.
✓16744 *Quercus humboldtii* Bonpl. (Lam.)
✓16754 *Alternanthera halimifolia* (Lam.)

- ✓16801 *Chenopodium ambrosioides* L.
- 16806 *Tradescantia multiflora* Sw.
- ✓16833 *Salix humboldtiana* Willd.
- ✓16912 *Eccremis coarctata* (R. & P.) Baker
- ✓17033 *Myrica pubescens* Willd.
- ✓17073 *Drymaria gracilis* C. & S.
- ✓17093 *Tropaeolum macrophyllum* Killip (type)
- ✓17123 *Myrica pubescens* Willd.
- ✓17170 *Orthrosanthus chimboracensis* (H. B. K.) Baker
- ✓17239 *Alnus ferruginea* H. B. K.
- ✓17265 *Urtica ballotaefolia* Wedd.
- 17387 *Arenaria lanuginosa* (Michx.) Rohrb.
- ✓17425 *Drymaria gracilis* C. & S.
- ✓17446 *Tradescantia multiflora* Sw.
- ✓17506 *Cerastium glutinosum* H. B. K.
- ✓17584 *Orthrosanthus chimboracensis* (H. B. K.) Baker
- ✓17685 *Cerastium glutinosum* H. B. K.
- ✓17817 *Drimys winteri* Forst.
- ✓17889 *Alnus ferruginea* H. B. K.
- ✓17928 " " "
- ✓17934 *Escallonia myrtilloides* L. f.
- ✓17935 *Calandrinia caulescens* H. B. K.
- 17993 *Orthrosanthus chimboracensis* (H. B. K.) Baker
- ✓18112 *Tropaeolum maculifolium* Hughes
- ✓18267 *Quercus humboldtii* Bonpl.
- ✓18282 *Bocconia frutescens* L.
- ✓18289 *Eccremis coarctata* (R. & P.) Baker
- ✓18374 *Gaiadendron tagua* (H. B. K.) G. Don
- ✓18563 *Arenaria lanuginosa* (Michx.) Rohrb.
- ✓18621 *Tofieldia sessiliflora* Hook.
- ✓18719 *Urtica ballotaefolia* Wedd.
- ✓18721 *Eccremis coarctata* (R. & P.) Baker
- ✓18777 *Tropaeolum digitatum* Karst.
- ✓18789 " *maculifolium* Hughes
- ✓18925 *Eccremis coarctata* (R. & P.) Baker
- ✓19078 *Quercus humboldtii* Bonpl.
- ✓19087 *Myrica pubescens* Willd.
- ✓19132 *Salix humboldtiana* Willd.
- ✓19343 *Hypoxis decumbens* L.
- ✓19479 *Ficus glabrata* H. B. K.
- ✓19615 *Alnus ferruginea* H. B. K.
- ✓19635 *Calandrinia caulescens* H. B. K.
- ✓19653 *Raphanus sativus* L.
- ✓19661 *Amaranthus hybridus* L.
- 19664 *Chenopodium murale* L.
- ✓19665 *Chenopodium ambrosioides* L.
- ✓19691 *Alnus ferruginea* H. B. K.
- ✓19724 *Tofieldia sessiliflora* Hook.
- ✓19726 *Gaiadendron tagua* (H. B. K.) G. Don
- ✓19745 " " " "

- ✓19805 *Bocconia integrifolia* H. & B.
- ✓19897 *Drimys winteri* Forst.
- ✓20010 *Tropaeolum deckerianum* Moritz & Karst.
- ✓20186 *Myrica pubescens* Willd.
- ✓20200 *Chamissoa altissima* (Jacq.) H. B. K.
- ✓20218 *Tropaeolum wagnerianum* Karst.
- ✓20361 " " "
- ✓20496 *Salix humboldtiana* Willd.
- ✓20539 *Tropaeolum septangulum* Killip (type)
- ✓20561 *Gaiadendron tagua* (H. B. K.) G. Don
- ✓20603 *Tropaeolum dawsonii* Hughes
- 20707 *Eccremis coarctata* (R. & P.) Baker
- ✓20727 *Urtica longispica* Killip (*U. ballotaeifolia macrostachya* Wedd.)
- ✓20744 *Chenopodium murale* L.
- ✓20787 *Cyathula achyranthoides* (H. B. K.) Moq.
- ✓20878 *Aristolochia ringens* Vahl
- ✓20890 *Pfaffia iresinoides* (H. B. K.) Ktze.
- ✓20969 *Chamissoa altissima* (Jacq.) H. B. K.
- ✓21001 *Limnocharis flava* (L.) Buchenau
- ✓21013 *Chlorophora tinctoria* (L.) Gaud.
- ✓21026 *Ficus palmicida* Pittier
- ✓21040 *Agave trankeera* Trel. (Det. L. H. Dewey)
- ✓21077 *Capparia flexuosa* L.
- ✓21083 " *verrucosa* Jacq.
- ✓21114 *Drymaria gracilis* C. & S.
- ✓21146 *Juncoides racemosum* (Desv.) Ktze.

KILLIP-SMITH, COLOMBIA

- ✓14101. *Cocos nucifera* L.
- ✓14291. *Sabal mauritiiformis* (Karst.) Gris. & Wendl.
- ✓14316. *Bactris major* Jacq.
- ✓14330. *Desmoncus horridus* Splittg. (ex char.)
- ✓14412. *Acanthorrhiza kalbreyeri* Dammer
- ✓14421. *Bactris major* Jacq.
- 14459 ✓14459. *Elaeis malanococca* Gaertn.
- ✓14562. *Astrocaryum malybo* Karst.
- ✓14756. *Elaeis malanococca* Gaertn.
- ✓14808. *Oenocarpus mapora* Karst.
- ✓14809. *Astrocaryum malybo* Karst.
- ✓14845. *Oenocarpus mapora* Karst.
- ✓14866. *Geonoma paniculigera* Mart.
- ✓14896. *Socratea macrochlamys* Burret
- ✓14900. *Bactris sanctae-paulae* Engel
- ✓15314. *Calyptrigyna kalbreyeri* Burret
- ✓15323. *Bactris* sp. (sterile)
- ✓15325. *Euterpe* sp. (incomplete)
- ✓15336. *Geonoma pulchra* Engel
- ✓16001. *Phytelephas* (sterile)
- ✓16044. *Geonoma rhytidocarpa* Burret
- ✓16347. *Washingtonia filifera* H. Wendl.
- ✓16362. *Martinezia killipii* Burret (type)
- ✓17040. *Chamaedorea* sp.
- ✓18996. " "
- ✓19077. *Euterpe* sp. (sterile)
- ✓19266. *Morenia corallina* Karst.
- ✓19452. *Chamaedorea pinnatifrons* (Jacq.) Oerst.
- ✓19315. " sp. *
- ✓20413. " "
- ✓21070. *Copernicia* sp. (sterile)

KILLIP-SMITH, COLOMBIA

- ✓14208. *Opuntia schumannii* Weber (Det. Rose)
- ✓14416. *Clavijsa latifolia* (Willd.) Radlk.
- ✓14565. *Opuntia schumannii* Weber (Det. Rose)
- ✓15020. *Eugenia jambos* L.
- ✓15074. *Vismia dealbata* H.B.K.
- ✓15298. *Begonia towarensis* Kl.
- ✓15623. *Acaena elongata* L.
- ✓15866. *Ternstroemia andina* Wawra
- ✓16037. *Begonia urticae* L. f.
- ✓16181. *Mandevilla mollissima scabra* (R. & S.) Woods. (Det. Woodson)
- ✓16231. *Cephalocereus russelianus* (Otto) Rose
- ✓16285. *Epiphyllum phyllanthus* (L.) Haw.
- ✓16335. *Vismia dealbata* H.B.K.
- ✓16349. *Rhipsalis cassutha* Gaertn. (Det. Rose)
- ✓16378. *Opuntia schumannii* Weber (Det. Rose)
- ✓16398. *Epiphyllum hookeri* Haw.
- ✓16488. *Prockia septemnervia* Spreng.
- ✓16702. *Begonia microphylla* A. DC.
- ✓16761. " *foliosa* H.B.K.
- ✓16795. *Oxybaphus violaceus* (L.) Choisy. (Det. Standley)
- ✓16805. *Begonia foliosa* H.B.K.
- ✓16855. *Oxybaphus violaceus* (L.) Choisy. " "
- ✓17015. *B. foliosa* H.B.K.
- ✓17497. *Stachys repens* M. & G. (Det. Epling)
- ✓18031. *Acaena elongata* L.
- ✓18299. *Begonia foliosa* H.B.K.
- ✓18339. " *microphylla* A. DC.
- ✓18355. " " "
- ✓18902. *Ternstroemia andina* Wawra
- ✓18974. *Begonia urticae* L. f.
- ✓19017. " *foliosa* H.B.K.
- ✓19095. *Minthostachys mollis* Griseb. (Det. Epling)
- ✓19221. *Begonia foliosa* H.B.K.
- ✓19232. *Vismia dealbata* H.B.K.
- ✓19763. *Begonia foliosa* H.B.K.
- ✓19817. " " "
- ✓19819. " " "
- ✓20090. " *glabra* Aubl.
- ✓20552. " *foliosa* H.B.K.
- ✓20895. *Casearia hirsuta* Sw.
- ✓21006. *Opuntia schumannii* Weber (Det. Rose)
- ✓21027. *Cactus amoenus* Hoffm.
- ✓21053. *Opuntia wentiana* B. & R.
- ✓21069. *Lemaireocereus griseus* (Haw.) B. & R.
- ✓21159. *Begonia microphylla* A. DC.

✓20456. *Begonia glabra* Aubl.

KILLIP-SMITH, Colombia.

(Det. E. Wimmer, Vienna)

- ✓15976. *Siphocampylus tuberculatus carmesinus* Wimmer
 ✓20774. " *planchonis* Wimmer
 ✓20320. " *laevigatus* Planch.
 ✓20591. " " "
 ✓17926. " *peritornus* Wimmer
 ✓17820. " " *ricensis* Wimmer
 ✓17773. " " " "
 ✓17704. " " " "
 ✓17271. " " " "
 ✓21142. " " " "
 ✓17818. " " " "
 ✓17849. " " " "
 ✓16549. " *phyllobotrys leucanthus* Wimmer (type)
 ✓16545. " " Wimmer
 ✓15480. " " "
 ✓21164. " " "
 ✓16993. " " "
 ✓16610. " " "
 ✓15375. " " "
 ✓20717. *Centropogon flos-mutisii* Wimmer
 ✓20585. " " "
 ✓20074. " *lutens bicolor* Wimmer (type)
 ✓19980. " *albertinus* Wimmer (type)

Det. E. P. Killip

- ✓20576. *Siphocampylus laevigatus* Planch.
 ✓21195. " " "
 ✓16513. " *phyllobotrys* Wimmer
 ✓16779. " " "
 ✓17270. " *peritornus ricensis* Wimmer
 ✓17828. " " " "
 ✓19754. *Centropogon flos-mutisii* Wimmer

DETERMINATIONS FROM THE GRAY HERBARIUM

Killip & Smith

Plants of Colombia

1927

- 15032 *Cuphea callosa* Bacigalupi n. sp. Type
 15168 " *antisiphilitica* HBK.
 15542 " *columbiana* Bacigalupi n. sp.
 15620 *Alchemilla Purdiei* Perry
 " " *vulcanica* Schlecht. & Cham.
 15667 *Plantago monticola* Decne., subsp. *angusta* Pilger
 16012 *Cuphea columbiana* Bacigalupi, n. sp.
 17134 " " "
 17413 *Plantago monticola* Decne., subsp. *angusta* Pilger
 17465 " " " " "
 17512 *Alchemilla aphanoides* L. f., var. *tripartita* (R. & P.) Perry
 17570 *Plantago monticola* Decne., subsp. *angusta* Pilger
 17594 " " " " "
 17621 *Alchemilla galioides* Benth.?
 17630 *Plantago linearis* Kunth., var. *eulinearis* Pilger
 17631 *Alchemilla Purdiei* affin.?
 " " *vulcanica* Schlecht. & Cham.
 17644 " *procumbens* Rose, var. *andina* Perry
 17853 " *aphanoides* L. f.
 18045 " " " " var. *tripartita* (R. & P.) Perry
 18201 " " " "
 " " *procumbens* Rose., var. *andina* Perry
 18223 " *aphanoides* L. f.
 18276 *Cuphea columbiana* Bac., n. sp. Type
 18412 *Alchemilla procumbens* Rose, var. *andina* Perry
 18424 *Plantago monticola* Decne., subsp. *angusta* Pilger
 18438 *Alchemilla Purdiei* Perry
 18525 " *procumbens* Rose, var. *andina* Perry
 18539 " *aphanoides* L. f.
 18553 *Plantago monticola* Decne., subsp. *angusta* Pilger
 18571 " *oreades* Decne.
 18642 *Alchemilla hispidula* Perry
 18654 *Plantago linearis* Kunth, var. *agrostophylla* (Decne.) Pilger
 18738 *Alchemilla aphanoides* L. f.
 19117 *Alomia coelestina* (Regel) Robinson
 19750 *Alchemilla procumbens* Rose, var. *andina* Perry
 19757 *Cuphea dipetala* (L. f.) Koehne^{fide} Bacigalupi
 20211 *Plantago hirtella* Kunth
 20485 *Cuphea dipetala* (L. f.) Koehne fide Bacigalupi
 21189 *Alchemilla* (indeterminate)

Alomia determined by Dr. Robinson
Plantago " " Dr. Pilger
Cuphea " " Mr. Bacigalupi
Alchemilla " " Miss Perry

KILLIP-SMITH, COLOMBIA

Identified at U. S. National Herbarium, May 12, 1931.

- ✓14010. *Fimbristylis spathacea* Roth
- ✓14098. " " "
- ✓14099. " *spadicea* (L.) Vahl
- ✓14102. *Cyperus ligularis* L.
- ✓14105. *Cyperus odoratus* L.
- ✓14117. *Jacquinia revoluta* Jacq.
- ✓14158. *Cyperus confertus* Sw.
- ✓14189. " *ferax* L. C. Rich.
- In ✓14191. *Rauwolfia canescens* L.
- ✓14253. *Sicydium tannifolium* (H.B.K.) Cogn.
- ✓14323. *Funastrum glaucum* (H.B.K.) Schltr.
- ✓14434. *Cissampelos pereira* L.
- ✓14437. *Funastrum clausum* (Jacq.) Schltr.
- ✓14449. *Cyperus ligularis* L.
- In ✓14451. *Capraria biflora hirta* Loes.
- ✓14458. *Cyperus ferax* L. C. Rich.
- ✓14461. " *luzulae* (L.) Retz
- ✓14463. *Fimbristylis spadicea* (L.) Vahl
- ✓14477. *Sicydium coriaceum* Cogn.
- ✓14496. *Cyperus panamensis* Britton
- ✓14566. *Cyperus compressus* L.
- ✓14605. " *surinamensis* Rottb.
- ✓14612. *Fimbristylis miliacea* (L.) Vahl
- ✓14614. *Cyperus comosus* (Willd.) Poir.
- ✓14625. *Dichorisandra hexandra* (Aubl.) Kuntze (Det. Gleason)
- In ✓14636. *Capraria biflora hirta* Loes.
- ✓14649. *Cyperus ferax* L. C. Rich.
- ✓14743. *Scleria microcarpa* Nees
- ✓14746. *Clavija engelsii* Mez
- ✓14766. *Cyperus ferax* L. C. Rich.
- ✓14772. " *luzulae* (L.) Retz
- ✓14783. " *diffusus* Vahl
- ✓14792. *Rynchospora corymbosa* (L.) Britton
- ✓14797. *Stenophyllus tenuifolius* (Rudge) Britton
- ✓14812. *Rynchospora cephalotes* (L.) Vahl
- ✓14821. *Nymphaea blanda fenzliana* Casp.
- ✓14829. *Cyperus cayannensis* (Lam.) Britton
- ✓14842. *Hypoxylon sylvaticum* Poepp. & Kth.
- ✓14844. *Calyptrocarpa glomerulata* (Brongn.) Urban
- ✓14878. *Diplazia karataefolia* L. C. Rich.
- ✓14884. *Vandellia diffusa* L.
- ✓14897. *Cyperus compressus* L.
- ✓14902. *Dichromena pubera* Vahl.
- ✓14915. *Cyperus haspan* L.
- ✓14937. *Funastrum clausum* (Jacq.) Schltr.

- ✓15022. *Rapanea ferruginea* (R. & P.) Mez
 ✓15031. *Syngonanthus caulescens* (Poir.) Ruhl.
 ✓15034. *Monocardia lilacina* Pennell
 ✓15051. *Rynchospora polyphylla* Vahl
 ✓15083. *Kyllinga pumila* Michx.
 ✓15091. *Cyperus cayennensis* (Lam.) Britton
 ✓15125. *Hydrocotyle umbellata* L.
 ✓15126. *Symbolanthus magnificus* Gilg
 ✓15133. " " "
 ✓15140. *Rynchospora globosa* (H.B.K.) R. & S.
 ✓15173. *Juncus microcephalus* H.B.K.
 ✓15175. *Fimbristylis autumnalis* (L.) R. & S.
 15194. *Scleria liebmanni* Steud.
 ✓15196. *Dichromena ciliata* Vahl
 ✓15229. *Stenophyllus paradoxus* (Spreng.) Standl.
 15235. *Stenophyllus junciformis* (H.B.K.) Britton
 ✓15237. *Rynchospora glauca* Vahl
 ✓15242. " " " (form) ?
 ✓15535. *Cyperus hermaphroditus* (Jacq.) Standl.
 ✓15540. *Leucocarpus perfoliatus* (H.B.K.) Benth.
 ✓15584. *Alonsoa meridionalis* (L. f.) Kuntze
 ✓15590. *Hydrocotyle bonplandii* Rich.
 ✓15629. *Gentiana nevadensis* Gilg
 ✓15670. *Oreomyrrhis andicola* Endl.
 ✓15671. *Lysipoma montioides* H.B.K.
 ✓15891. *Grammadenia lehmannii* Mez
 ✓16005. *Cyperus melanestachys* H.B.K.
 ✓16015. *Gratiola bogotensis* Cortes
 ✓16023. *Hydrocotyle* (aff. *H. pamplonensis* Killip; sterile)
 ✓16038. Insect (destroyed)
 ✓16070. *Dichromena ciliata* Vahl
 ✓16110. *Duranta mutisii* L. f.
 ✓16133. *Lozanella enantiophylla* (Donn. Sm.) Killip & Morton
 ✓16170. *Syngonanthus magnificus* Gilg
 ✓16339. *Buchnera longifolia* Kunth
 ✓16373. *Cyperus olfersianus* Kunth
 ✓16547. *Stenophyllus capillaris* (L.) Britton? (or *S. tenuifolius*?)
 ✓16571. *Hydrocotyle bonplandii* Rich.
 ✓16579. *Sanicula liberta* C. & S.
 ✓16606. *Muhlenbeckia tiliaefolia* Wedd.
 ✓16641. *Uncinia hamata* (Sw.) Urban
 ✓16707. *Mimulus glabratus* H.B.K.
 ✓16710. *Hydrocotyle bonplandii* Rich.
 ✓16715. *Pelargonium radula* x *graveolens* DC. (Det. Knuth)
 ✓16716. *Pelargonium odoratissimum* (L.) Ait. (Det. Knuth)
 ✓16788. *Mimulus glabratus* H.B.K.
 ✓16863. *Cyperus hermaphroditus* (Jacq.) Standl.
 ✓16871. *Alonsoa meridionalis* (L. f.) Kuntze
 ✓16895. *Dichromena ciliata* Vahl

- ✓16932. *Hydrocotyle bonplandii* Rich.
- ✓17039. *Leucocarpus perfoliatus* (H.B.K.) Benth.
- o ✓17086. *Clavija longifolia* (Jacq.) Mez
- ✓17087. *Ardisia foetida* Willd.
- ✓17094. *Rynchospora polyphylla* Vahl
- ✓17106. *Leucocarpus perfoliatus* (H.B.K.) Benth.
- ✓17246. *Digitalis purpurea* L.
- ✓17364. *Digitalis purpurea* L.
- ✓17525. *Gentiana nevadensis* Gilg
- ✓17645. *Muhlenbeckia vulcanica* (Benth.) Endl.
- ✓17673. *Duchesnea indica* (Andr.) Focke
- ✓17677. *Mimulus glabratus* H.B.K.
- ✓17765. *Hydrocotyle bonplandii* Rich.
- ✓17786. *Alonsoa meridionalis* (L. f.) Kuntze
- o ✓17894. *Eryngium paniculatum* Cav.
- ✓17938. *Rapanea dependens* (R. & P.) Mez
- o ✓18034. *Daucus montanus* Willd.
- ✓18126. *Hydrocotyle bonplandii* Rich.
- ✓18131. *Mimulus glabratus* H.B.K.
- ✓18152. *Eryngium paniculatum* Cav.
- ✓18200. *Alonsoa meridionalis* (L. f.) Kuntze
- o ✓18228. *Potentilla heterosepala* Fritsch
- ✓18310. *Sagina procumbens* L.
- ✓18359. *Rapanea jelskii* (Zahlbr.) Mez
- ✓18406. *Carex polystachya* Sw.? (barren)
- ✓18513. *Hydrocotyle bonplandii* Rich.
- ✓18519. *Hydrocotyle bonplandii* Rich.
- o ✓18552. Perhaps *Cyperaceae* (not worth saving)
- ✓18640. *Eryngium paniculatum* Cav.
- ✓18696. *Uncinia hamata* (Sw.) Urban? (barren)
- ✓18754. *Alonsoa meridionalis* (L. f.) Kuntze
- ✓18853. *Hydrocotyle bonplandii* Rich.
- ✓18859. *Leucocarpus perfoliatus* (H.B.K.) Benth.
- e ✓18895. *Peperomia schlimii* Koern.
- ✓18957. *Castilleja communis* Benth.
- ✓19027. *Hydrocotyle bonplandii* Rich.
- ✓19033. *Rynchospora aristata* Boeckl.
- ✓19036. *Clavija longifolia* (Jacq.) Mez
- o ✓19059. *Triplaris caracasana* Cham.
- ✓19113. *Clavija longifolia* (Jacq.) Mez
- o ✓19124. *Spananthe paniculata* Jacq.
- ✓19239. *Castilleja communis* Benth.
- ✓19366. *Spananthe paniculata* Jacq.
- ✓19488. *Alonsoa meridionalis* (L. f.) Kuntze
- ✓19510. *Daucus montanus* Willd.
- o ✓19512. *Cyclospermum leptophyllum* (Pers.) Sprague (*Apium ammi* (Jacq.) Urb.)
- ✓19628. *Salvia killipiana* Epl. (S.T. Epling)
- ✓19641. *Conium maculatum* L.
- ✓19657. *Fuchsia hybrida* Voss. (form) *not found*

19698. *Juncus tenuis* Willd. *not found in bundle*
✓19818. *Macrocarpaea polyantha* Gilg
✓19862. *Rynchospora aristata* Beeckl.
✓19892. *Gratiola bogotensis* Cortes
✓20004. *Hydrocotyle pamplonensis* Killip, ined. (type)
✓20185. *Alonsoa meridionalis* (L.f.) Kuntze
✓20193. *Styrax micrasterus* Perk.
✓20266. *Kyllinga pumila* Michx.
✓20348. *Cyperus hermaphroditus* (Jacq.) Standl.
✓20352. *Leucocarpus perfoliatus* (H.B.K.) Benth.
✓20380. *Styrax micrasterus* Perk.
✓20446. *Sanicula liberta* C. & S.
✓20512. *Carex polystachya* Sw.
✓20613. *Macrocarpaea polyantha* Gilg
✓20652. *Hydrocotyle bonplandii* Rich.
✓20768. *Spananthe paniculata* Jacq.
✓20930. *Cyperus olfersianus* Kunth
✓20933. *Stemodia durantifolia* Sw.
✓20999. *Funastrum glaucum* (H.B.K.) Schltr.
✓21080. *Capparis nemorosa* Jacq.
✓21082. *Capparis tenuisiliqua* Jacq.
✓21100. *Beloperone sanmartensis* Rusby (Det. Leonard)
✓21101. *Jacquinia gracilis* Mez
✓21105. *Funastrum ovalifolium* (Rusby) Killip
✓21111. " *glaucum* (H.B.K.) Schltr.
✓21121. *Cyclospermum leptophyllum* (Pers.) Sprague (*Apium ammi* (Jacq.) Urb.)
✓21176. *Rapanea dependens* (R. & P.) Mez
21204. *Digitalis purpurea* L.
21209. *Mentha?* (Det. Epling) A barren "remedio" plant.
21215. *Hydrocotyle bonplandii* Rich.
21224. *Styrax micrasterus* Perk.

- ✓15049. *Psammisia penduliflora* (Dun.) Kl.
 ✓15108. " "
 ✓15124. *Cavendishia killipii* A.C. Smith (type)
 ✓15465. *Cavendishia pubescens* (HBK.) Hemsl.
 ✓15722. *Macleania nitida* (HBK.) Hoer.
 ✓15794. *Themistoclesia vegasana* A.C. Smith (type)
 ✓15803. *Cavendishia scabriuscula* (HBK.) Hoer.
 ✓15806. *Macleania nitida* (HBK.) Hoer.
 ✓15820. *Thibaudia floribunda* HBK.
 ✓15871. *Cavendishia* ~~gracilis~~ *gracilis* A.C. Smith (type)
 ✓15880. *Themistoclesia vegasana* A.C. Smith
 ✓15918. *Cavendishia pubescens* (HBK.) Hemsl.
 ✓15978. *Cavendishia splendens* (Kl.) Hoer.
 ✓15980. " "
 ✓15987. *Orthaea cavendishii* A.C. Smith (type).
 ✓15997. *Cavendishia gracilis* A.C. Smith
 ✓16090. *Cavendishia splendens* ~~(Kl.)~~ (Kl.) Hoer.
 ✓16100. *Cavendishia scabriuscula* (HBK.) Hoer.
 ✓16621. *Psammisia penduliflora* (Dun.) Kl.
 ✓16764. *Cavendishia splendens* (Kl.) Hoer.
 ✓16777. *Psammisia penduliflora* (Dun.) Kl.
 ✓17174. *Psammisia falcata* (HBK.) Kl.
 ✓17280. *Macleania nitida* (HBK.) Hoer.
 ✓17281. " "
 ✓17336. " "
 ✓17586. " "
 ✓17698. " "
 ✓17744. " "
 ✓17857. *Cavendishia scabriuscula* (HBK.) Hoer.
 ✓17873. *Psammisia penduliflora* (Dun.) Kl.
 ✓17994. *Macleania nitida* (HBK.) Hoer.
 ✓18013. *Psammisia penduliflora* (Dun.) Kl.
 ✓18087. *Thibaudia floribunda* HBK.
 ✓18222. *Macleania nitida* (HBK.) Hoer.
 ✓18370. *Psammisia falcata* (HBK.) Kl.
 ✓18606. *Macleania nitida* (HBK.) Hoer.
 ✓18784. *Cavendishia scabriuscula* (HBK.) Hoer.
 ✓18791. *Thibaudia floribunda* HBK.
 ✓18794. *Psammisia falcata* (HBK.) Kl.
 ✓18868. *Psammisia penduliflora* (Dun.) Kl.
 ✓18872. " "
 ✓18875. *Cavendishia cordifolia* (HBK.) Hoer.
 ✓18883. *Cavendishia pubescens* (HBK.) Hemsl.
 ✓18888. *Cavendishia scabriuscula* (HBK.) Hoer.
 ✓18950. *Cavendishia splendens* (Kl.) Hoer.
 ✓19039. *Cavendishia pubescens* (HBK.) Hemsl.
 ✓19091. " "
 ✓19099. *Psammisia penduliflora* (Dun.) Kl.
 ✓19308. *Cavendishia pubescens* (HBK.) Hemsl.
 ✓19312. *Cavendishia scabriuscula* (HBK.) Hoer.
 ✓19435. *Cavendishia pubescens* (HBK.) Hemsl.
 ✓19460. " "
 ✓19631. *Macleania nitida* (HBK.) Hoer.
 ✓19738. " "

Killip & Smith (2)

- ✓ 19781. *Cavendishia scabriuscula* (HBK.) Hoer.
✓ 19914. *Macleania nitida* (HBK.) Hoer.
✓ 19936. *Themistoclesia hirsuta* A.C. Smith (type)
✓ 20051. *Psammisia* ~~penduliflora~~ penduliflora (Dun.) Kl.
✓ 20055. *Cavendishia pubescens* (HBK.) Hemsl.
✓ 20108. *Psammisia penduliflora* (Dun.) Kl.
✓ 20481. " "
✓ 20587. " "
✓ 20588. *Cavendishia splendens* ~~(HBK.)~~ (Kl.) Hoer.
✓ 20674. " "
✓ 20676. " "
✓ 20731. *Cavendishia scabriuscula* (HBK.) Hoer.
✓ 21172. *Macleania nitida* (HBK.) Hoer.
✓ 21218. *Cavendishia cordifolia* (HBK.) Hoer.

Rec'd. this list 1/28/32 G

KILLIP-SMITH, COLOMBIA

Jan. 1932

- ✓14020. Hippocrate^a celastroides H.B.K.
- ✓14116. " " "
- ✓14127. Pedilanthus tithymaloides (L.) Poit.
- ✓14207. Gouania tomentosa Jacq.
- ✓14335. Luehea candida (DC.) Mart.
- ✓14373. Tournefortia angustiflora R. & P.
- ✓14374. Paullinia macrophylla H.B.K.
- ✓14626. Phaseolus caracalla L.
- ✓14668. Tournefortia angustiflora R. & P.
- ✓14680. Combretum laxum Jacq. (Det. Exell)
- ✓14753. Phaseolus peduncularis H.B.K.
- ✓14776. Centrosema virginicum (L.) Benth.
- ✓14795. Teramnus volubilis Sw.
- ✓14817. Gouania tomentosa Jacq.
- ✓14944. Tournefortia angustiflora R. & P.
- ✓14949. " obscura DC.
- ✓15045. Eleocharis sulcata Nees
- ✓15130. Escobedia grandiflora (L. f.) Pennell (Det. Pennell)
- ✓15367. Alchornea grandiflora Muell. Arg.
- ✓15388. Triumfetta semitriloba L.
- ✓15420. Croton leptostachyus Muell. Arg.
- ✓15447. Bombax carabobense Pittier
- ✓15501. Desmodium campylocladum (Hemsl.)
- ✓15735. Buddleia mollis H.B.K.
- ✓15963. Carludovica plicata Kl.
- ✓16193. Croton leptostachyus Muell. Arg.
- ✓16225. Croton leptostachyus Muell. Arg.
- ✓16226. Sida cordifolia L.
- ✓16307. Melochia venosa Sw.
- ✓16331. Bombax carabobense Pittier
- ✓16389. Tournefortia volubilis L.
- ✓16792. Vigna vexillata (L.) A. Rich.
- ✓17029. Tournefortia scabrida H.B.K.
- ✓17035. Eleocharis nodulosa Schultes
- ✓17142. Desmodium molliculum (H.B.K.) DC.
- ✓17163. Tournefortia fuliginosa H.B.K.
- ✓17210. Escobedia parvifolia Pennell (type)
- ✓17309. Buddleia mollis angustifolia Benth.
- ✓17904. Tournefortia fuliginosa H.B.K.
- ✓17909. " " "
- ✓18520. Eleocharis stenocarpa Svenson? (achenes too young).
- ✓19012. Tournefortia scabrida H.B.K.
- ✓19054 ✓19054 " volubilis L.
- ✓19058. Urvillea ulmacea H.B.K.
- ✓19135. Tournefortia scabrida H.B.K.
- ✓19201. Pilea mutisiana (Spreng.) Wedd.
- ✓19233. Phaseolus hirsutus Mart.
- ✓19238. Tournefortia scabrida H.B.K.
- ✓19347. Escobedia grandiflora (L. f.) Pennell (Det. Pennell)
- ✓19356. Citrus medica L.

Killip-Smith, Colombia--2

- ✓19517. *Croton speciosus* Muell. Arg.
- ✓19484. *Tournefortia scabrida* H.B.K.
- ✓19493. " " "
- ✓19502. *Delostoma roseum* (Karst. & Tr.) K. Sch.
- ✓19765. *Dodonaea viscosa* L.
- ✓19773. *Rhamnus humboldtianus* R. & S.
- ✓19859. *Carludovica plicata* Kl.
- ✓19874. *Tournefortia fuliginosa* H.B.K.
- ✓20023. " *scabrida* H.B.K.
- ✓20138. " " "
- ✓20181. " " "
- ✓20286. " " "
- ✓20471. " " "
- ✓20679. *Rhamnus humboldtianus* R. & S.
- ✓20848. *Desmodium uncinatum* (Jacq.) DC.
- ✓20893. *Gouania tomentosa* Jacq.
- ✓20902. *Tournefortia hirsutissima* L.
- ✓20913. " *volubilis* L.
- ✓20959. " *peruviana* Poir.
- ✓21037. *Croton flavens* L.
- ✓21049. " " "
- ✓21109. *Desmodium uncinatum* (Jacq.) DC.
- ✓21140. " *cajanifolium* (H.B.K.) DC.

Rec'd. Jan. 28, 1932 G

MALPIGHIACEAE, Det C. V. Morton.

Killip & Smith, Colombia.

- ✓14524. *Tetrapteryx discolor* (G. F. W. Mey.) DC.
- ✓14669. " *seemanni* Tr. & Pl. (not *T. papyracea* Tr. & Pl.)
- ✓16453. *Gaudichaudia albida* C. & S.
- ✓19019. *Tetrapteryx killipii* Morton sp. nov. (type)
- ✓19824. *Hiraea colombiana* Morton sp. nov.
- ✓20474. " " " " " (type)

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KILLIP-SMITH, COLOMBIA

Compositae, det. S. F. Blake; Solanaceae, C. V. Morton; Acanthaceae,
E. C. Leonard; others by E. P. Killip unless otherwise noted.
Comparisons made in Europe by E. P. Killip, 1932.

U. S. National Museum, August, 1932.

-
- ✓14124. *Serjania columbiana* Radlk.
 - ✓14201. " " "
 - ✓14210. " " "
 - ✓14225. *Wissadula periplocifolia* Presl (form; comp. at Berlin)
 - ✓14254. *Carica papaya* L.
 - ✓14264. *Serjania columbiana* Radlk.
 - ✓14310. *Aphelandra pulcherrima* (Jacq.) H. B. K.
 - ✓14324. *Serjania paniculata* H. B. K.
 - ✓14401. *Gynerium sagittatum* (Aubl.) Beauv. (Det. Chase)
 - ✓14402. *Carludovica palmata* R. & P.
 - ✓14439. *Serjania paniculata* H. B. K.
 - ✓14457. *Cyperus ochraceus* Vahl (Det. Gross)
 - ✓14514. *Serjania columbiana* Radlk.
 - ✓14516. *Aphelandra pulcherrima* (Jacq.) H. B. K.
 - ✓14548. *Solanum scabrum* Vahl
 - ✓14613. *Nymphaea amazonum* Mart. & Zucc. 14637
 - ✓14637. *Serjania paniculata* H. B. K.
 - ✓14701. *Solanum scabrum* Vahl
 - ✓14769. " " "
 - ✓14779. *Megaskepasma erythrochlamys* Lindau
 - ✓14790. *Melochia corchorifolia* L. (form)
 - ✓14869. *Cyclanthus bipartitus* Poit.
 - ✓14902. *Dichromena pubera* Vahl (form) Det. Gross
 - ✓14948. *Melochia benthani* K. Sch. (Comp. At Paris)
 - ✓15021. *Rubus floribundus* H. B. K. (Comp. with type in Humboldt Herb.,
Paris)
 - ✓15075. *Jussiaea peruviana glaberrima* Donn. Smith
 - ✓15114. *Solanum sisymbriifolium* Lam.
 - ✓15156. *Jussiaea lithospermifolia* (Kunth) Micheli (Approaching *J. nervosa*;
comp. at Berlin)
 - ✓15179. *Turnera ulmifolia serissima* Killip (type)
 - ✓15259. *Solanum quinqueangulare* Willd.
 - ✓15283. *Croton palanostigma* Kl. (form)
 - ✓15401. " *dolichostochyus* Pittier
 - ✓15438. *Serjania rhombea* Radlk.
 - ✓15479. *Antidaphne colombiana* Killip
 - ✓15514. *Boehmeria caudata* Sw.
 - ✓15518. *Heliocarpus popayanensis* H. B. K.
 - ✓15567. *Rubus porphyromallus* Focke
 - ✓15577. *Rubus bogotensis* H. B. K.
 - ✓15626. *Paepalanthus dendroides* (H. B. K.) Kunth (Comp. with type at Berlin)
 - ✓15628. *Arenaria serpens* H. B. K.

Killip-Smith

- ✓15717. *Rubus bogotensis* H. B. K.
- ✓15735. *Buddleia bullata* H. B. K. (Corr.)
- ✓15831. *Brunellia propinqua* H. B. K. (Comp. with type at Paris)
- ✓15849. " " " " " " " "
- ✓15865. *Palicourea caloneura* Rusby (Det. Standley)
- ✓16005. *Cyperus melanostachys* H. B. K. (Reported?)
- ✓16006. *Rynchospora kunthii* Nees (Det. Gross)
- ✓16064. *Paepalanthus pilosus* (H. B. K.) Kunth (Comp. with type at Berlin)
- ✓16085. *Saurauja strigillosa* Tr. & Pl. (Comp. with type at Paris)
- ✓16103. *Rubus floribundus* H. B. K.
- ✓16138. *Aphelandra fucinata* Kl.
- ✓16172. *Turnera ulmifolia* L. (form)
- ✓16179. *Serjania rhombica* Radlk.
- ✓16185. *Urvillea ulmacea* H. B. K.
- ✓16197. *Hemistylis macrostachya* Wedd. (Comp. with type at Paris)
- ✓16226. *Melochia caracasana* Jacq. (Correction)
- ✓16227. *Urvillea ulmacea* H. B. K.
- ✓16251. *Waltheria subcordata* Standl.
- ✓16266. *Jussiaea peruviana glaberrima* Donn. Smith
- ✓16270. *Hemistylis macrostachya* Wedd.
- ✓16283. *Aphelandra tetragona* (Vahl) Nees
- ✓16319. *Phthirusa pyrifolia* (H. B. K.) Eichl.
- ✓16355. *Barleria micans* Nees
- ✓16427. *Buddleia spicata* R. & P. (Comp. with type at Berlin)
- ✓16472. *Jussiaea peruviana glaberrima* Donn. Smith
- ✓16474. *Euphorbia cotinifolia* L. (form)
- ✓16499. *Mauria ovalifolia* Turcz.
- ✓16506. *Buddleia spicata* R. & P.
- ✓16596. *Saurauja pycnotricha* Turcz. (Comp. at Paris by E. C. Smith)
- ✓16601. *Mauria ovalifolia* Turcz.
- ✓16612. *Rubus floribundus* H. B. K.
- ✓16618. " *adenotrichus* Schlecht X ?
- ✓16640. *Carludovica moritziana* Kl. (Comp. with type coll. at Brit. Mus.)
- ✓16712. *Apium graveolens* L. (Det. Mathias)
- ✓16721. *Rubus glaucus* Benth.
- ✓16728. *Rubus porphyromallus* Focke
- ✓16778. *Rubus floribundus* H. B. K.
- ✓16789. *Croton pungens* Jacq.?
- ✓16813. *Mauria ovalifolia* Turcz. (approaching *M. ^{ir} bairingo* var. *granatensis* Engl.)
- ✓16823. *Hemistylis velutina* Wedd. (Comp. with type at Paris)
- ✓16843. *Croton pungens* Jacq.
- ✓16865. *Mauria ovalifolia* Turcz.
- ✓16934. *Solanum scorpoideum* Rusby
- ✓16960. *Rubus floribundus* H. B. K.
- ✓16963. *Rubus glaucus* Benth.
- ✓17030. *Croton pungens* Jacq.
- ✓17099. *Spigelia pedunculata* H. B. K. (Corr.; comp. at Berlin)
- ✓17145. *Gaidendron tagua* (H. B. K.) G. Don
- ✓17147. *Rubus floribundus* H. B. K.
- ✓17309. *Buddleia lindenii* Benth. (Corr.)
- ✓17317. *Rubus bogotensis* H. B. K. (Comp. with type in Humboldt Herb., Paris)
- ✓17581. *Rubus acanthophyllus* Focke (Comp. at Paris and Kew)
- ✓17628. *Hesperomeles ferruginea* (Pers.) Benth.

Killip-Smith

- ✓17723. *Hesperomeles ferruginea* (Pers.) Benth. (Comp. at Paris)
- ✓17780. *Rubus bogotensis* H. B. K.
- ✓17845. *Buddleia lindenii* Benth.
- o ✓17862. *Rubus nubigenus* H. B. K. (Comp. with type in Humboldt Herb., Paris)
- ✓17895. " *bogotensis* H. B. K. (Comp. with type " " ")
- ✓17907. " *floribundus* H. B. K. (" " " " ")
- ✓17924. *Hesperomeles obtusifolia* Lindl.
- ✓17989. *Rubus bogotensis* H. B. K.
- ✓18039. *Gaiadendron tagua* (H. B. K.) G. Don
- ✓18055. *Brunellia subintegra* Killip (type)
- ✓18063. *Hesperomeles nitida* Killip (type)
- ✓18202. *Rubus bogotensis* H. B. K.
- ✓18254. *Stellaria media* L.
- ✓18270. *Urtica ballotaeifolia* Wedd.
- ✓18319. " " " (Comp. with type at Paris)
- ✓18322. *Saurauja excelsa xanthoifolia* Turcz. (Comp. at Berlin)
- ✓18323. *Rubus bogotensis* H. B. K.
- ✓18325. *Serjania caracasana puberula* Radlk. (Comp. at Berlin)
- ✓18343. *Buddleia spicata* R. & P.
- ✓18384. *Hesperomeles ferruginea* (Pers.) Benth.
- ✓18470. *Polylepis hypoleuca* Wedd., (sterile; agrees well with Steubel 115 at Berlin)
- o ✓18522. *Rubus acanthophyllus* Focke
- ✓18632. *Hesperomeles pernettyoides* Wedd. (Comp. with type at Paris)
- o ✓18677. *Rubus acanthophyllus* Focke
- ✓18715. " *bogotensis* H. B. K. (Comp. with type in Humboldt. Herb., Paris)
- ✓18874. *Mauria ovalifolia* Turcz. (typical; compared at Berlin)
- ✓18882. *Antidaphne colombiana* Killip (type)
- ✓18897. *Mauria ovalifolia* Turcz. (approaching *M. heterophylla*; comp. at Berlin)
- o ✓18916. *Gurania* (perhaps near *G. diffusa* Cogn.; sterile)
- ✓18928. *Rubus floribundus* H. B. K.
- ✓19024. *Saurauja excelsa* Willd. (Comp. at Kew)
- ✓19033. *Rynchospora macrochaeta* Steud. (Det. Gross)
- ✓19094. *Buddleia spicata* R. & P.
- ✓19103. *Saurauja humboldtiana* Busc. (Comp. at Kew by A. C. Smith)
- ✓19110. *Solanum quinquangulare* W.
- ✓19158. *Carludovica moritziana* Kl. (Comp. at Brit. Mus.)
- ✓19208. *Solanum scorpoideum* Rusby
- ✓19223. *Mauria ovalifolia* Turcz.
- ✓19267. *Aphelandra runcinata* Kl.
- ✓19319. *Saurauja ursina* Tr. & Pl. (Comp. at Paris by A. C. Smith)
- o ✓19322. *Ptychomeria suaveolens* (Karst.) Schlechtr.
- o ✓19369. *Carludovica utilis* (Oerst.) B. & H.
- ✓19399. *Triumpsetta grandiflora* Vahl
- ✓19421. *Mauria ovalifolia* Turcz.
- ✓19427. *Euphorbia insulana* Vell. (Comp. at Berlin)
- ✓19480. *Saurauja humboldtiana* Busc. (Comp. at Kew by A. C. Smith)
- ✓19503. *Buddleia spicata* R. & P.
- ✓19513. *Mauria ovalifolia* Turcz.
- ✓19572. *Buddleia bullata* R. & P. (Corr.)
- ✓19577. *Rubus acanthophyllus* Focke
- ✓19584. *Arenaria serpens* H. B. K.
- ✓19595. *Rubus bogotensis eglandulosus* Killip (type)
- ✓19611. *Urtica ballotaeifolia* Wedd.

Killip-Smith

- ✓19675. *Urtica urens* L.
- ✓19677. " *ballotaefolia* Wedd.
- ✓19682. *Solanum scorpoideum* Rusby
- ✓19740. *Hesperomeles obtusifolia* Lindl.
- ✓19759. *Hesperomeles glabrata* (H. B. K.) Roem.
- ✓19769. *Croton pungens* Jacq.?
- ✓19776. *Mauria ovalifolia* Turcz. (Approaching *M. heterophylla*; comp. at Berlin)
- ✓19787. *Prunus capuli* Cav.
- ✓19788. *Hesperomeles obtusifolia* Lindl.
- ✓19790. *Antidaphne colombiana* Killip
- ✓19899. *Gaiadendron tagua* (H. B. K.) G. Don
- ✓19904. *Rubus bogotensis* H. B. K.
- ✓19987. *Rubus glaucus* Benth.
- ✓20034. *Hillieria latifolia* (Lam.) H. Walt.
- 20073. *Rubus floribundus* H. B. K?
- ✓20480. " " " (Comp. with type in Humboldt Herb., Paris)
- ✓20521. " " " " " " " " " " " "
- ✓20559. *Mauria puberula* Trel.
- ✓20580. *Antidaphne colombiana* Killip
- ✓20586. *Rubus bogotensis* H. B. K.
- ✓20594. *Brunellia propinqua* H. B. K. (Comp. with type at Paris)
- ✓20618. *Begonia ferruginea* H. B. K.
- ✓20654. *Arenaria musciformis* Tr. & Pl. (Comp. at Paris)
- ✓20898. *Paullinia fuscescens* H. B. K.
- ✓20905. *Buddleia spicata* R. & P.
- ✓20929. *Spirochaeta funckii* Turcz.
- ✓20931. *Aphelandra pulcherrima* (Jacq.) H. B. K.
- ✓21024. *Urvillea ulmacea* H. B. K.

Killip-Smith (Colombia)

- ✓14370. *Mesechites trifida* (Jacq.) Muell. Arg.
- ✓14619. *Cryptostegia grandiflora* (Roxb.) R. Br.
- ✓14653. *Tabernaemontana psychotriaefolia* H.B.K.
- ✓14678. *Anechites lappulacea* (Lam.) Miers
- ✓14980. *Mandevilla subsagittata* (R. & P.) Woodson
- ✓15315. *Rauwolfia moricandii* A. DC.
- ✓15392. " " "
- ✓15469. *Mandevilla mollissima fendleri* (Muell.Arg.) Woodson
- ✓16161. " " "
- ✓17054. " " "
- ✓18012. " " "
- ✓20533. *Marsdenia* (fruit only)
- ✓20748. *Exolobus marmoreus* Woodson (type)

Killip & Smith 14493✓ *H. suaveolens* Poit.

- 14583✓ *H. brevipes* Poit.
- 14858✓ *H. atrorubens* Poit.
- ✓15007. *H. brachiata* Briq.
- ✓15386. *H. atrorubens* Poit.
- ✓19458. *H. columbiana* Epl.

Det. by C. Epling

Killip & Smith, Colombia.

Cyperaceae, Mimosaceae, and Caesalpiniaceae by Britton & Killip; Espeletia,
Ericaceae, and Vacciniaceae by A. C. Smith; Verbenaceae by H. N. Moldenke.

U. S. National Museum, September 1933.

- x
- 14291. *Trithrinæ mauritiiformis* Karst. (correction by Burret)
 - ✓14487. *Bumelia panamensis* Standl. (det. Killip)
 - ✓14496. *Cyperus glabulosus* Aubl. (correction)
 - ✓14782. *Chamaefistula fluviatilis* Britton & Killip (type; correction)
 - ✓14792. *Rynchospora corymbosa* (L.) Britton (det. Gross)
 - ✓15175. *Fimbristylis complanata* (Retz) Link (correction)
 - ✓15405. *Chamaefistula macrophylla* (Kunth) G. Don? (no flowers)
 - ✓15413. *Lantana fucata* Lindl.
 - ✓15475. " *camara mista* (L.) Bailey
 - ✓15535. *Cyperus hermaphroditus* (Jacq.) Standl.
 - ✓15684. *Espeletia funckii* Sch. Bip.
 - ✓15945. *Disterigma elassanthum* Blake
 - ✓16101. *Adipera santanderensis* Britton
 - ✓16373. *Cyperus densus* Link (correction)
 - ✓16399. *Lantana canescens* H. B. K.
 - ✓16863. *Cyperus hermaphroditus* (Jacq.) Standl.
 - ✓16886. *Adipera santanderensis* Britton
 - ✓17340. *Verbena brasiliensis* Vell.
 - ✓17422. *Espeletia santanderensis* A. C. Smith (type)
 - ✓17560. " *conglomerata* A. C. Smith
 - ✓17587. " *santanderensis* A. C. Smith
 - ✓17603. " " "
 - ✓17612. *Gaultheria santanderensis* A. C. Smith
 - ✓17622. *Espeletia santanderensis* A. C. Smith
 - ✓17667. " " "
 - ✓18206. " *funckii* Sch. Bip.
 - ✓18397. *Adipera santanderensis* Britton
 - ✓18425. *Espeletia funckii* Sch. Bip.
 - ✓18414. *Disterigma empetrifolium* (H. B. K.) Drude
 - ✓18422. *Azorella multifida* (R. & P.) Pers. (det. Mathias)
 - ✓18453. *Gaultheria santanderensis* A. C. Smith
 - ✓18601. *Pernettya pentlandii parvifolia* (Benth.) Wedd.
 - ✓18425. *Espeletia funckii* Sch. Bip.
 - ✓18619. " " " "
 - ✓18624. " *canescens* A. C. Smith (type)
 - ✓18635. " *conglomerata* A. C. Smith (type)
 - ✓18685. *Disterigma empetrifolium* (H. B. K.) Drude
 - ✓19064. *Enferolobium cyclocarpum* (Jacq.) Griseb.
 - ✓19067. *Petrea bracteata* Steud.
 - ✓19224. *Adipera santanderensis* Britton
 - ✓19447. *Chamaefistula bacillaris* (L. f.) G. Don (correction)
 - ✓19518. *Adipera santanderensis* Britton
 - ✓19552. *Espeletia santanderensis* A. C. Smith

Killip & Smith, Colombia-2

- ✓19558. *Espeletia standleyana* A. C. Smith (type)
- ✓19616. *Gaultheria santanderensis* A. C. Smith
- ✓20135. *Inga punctata* Willd. (correction)
- ✓20163. *Anthurium scandens* (Aubl.) Engl. (det. Krause)
- ✓20348. *Cyperus hermaphroditus* (Jacq.) Standl.
- ✓20495. *Adipera santanderensis* Britton +
- ✓20502. *Lantana fucata* Lindl.
- ✓20505. *Inga punctata* Willd. (correction)
- ✓20611. *Espeletia canescens* A. C. Smith
- ✓20841. *Cyperus cayennensis* (Lam.) Britton
- ✓20930. *Cyperus densus* Link (correction)
- ✓20937. *Brownea arcensis* Pittier
- ✓21042. *Pithecellobium unguis-cati* (L.) Mart.
- ✓21059. *Lantana rugulosa* H. B. K.
- ✓21065. *Lantana purpurea* Hornem.?
- ✓21091. *Vitex cymosa* Bert.
- ✓21099. " " "

Killip-Smith, Colombia.

Acanthaceae determined by E. C. Leonard; Malpighiaceae by C. V. Morton;
 Vismia, Clusia, and Ternstroemia by A. C. Smith; others by E. P. Killip
 unless otherwise noted.

U. S. National Museum, December 1934.

- ✓14133. *Galactia striata* (Jacq.) Urban
- ✓14163. *Cestrum latifolium* Lam. (Det. Morton)
- ✓14165. " " " "
- ✓14182. *Benthameantha caribaea* (Jacq.) Kuntze, var.
- ✓14212. *Ruellia obtusa* Nees
- ✓14250. *Desmodium canum* (Gmel.) Schinz & Thell.
- ✓14257. *Erythrina rubrinervia* H.B.K. ? (no flowers)
- ✓14304. *Monstera dilacerata* C. Koch
- ✓14285. *Bunchosia glauca* H.B.K.
- ✓14325. *Banisteriopsis argentea* (H.B.K.) C. B. Rob.
- ✓14515. *Cestrum latifolium* Lam. (Det. Morton)
- ✓14521. *Galactia striata* (Jacq.) Urban
- ✓14561. *Benthameantha caribaea* (Jacq.) Kuntze, var.
- ✓14591. *Pistia stratiotes* L. (Det. A. C. Smith) *not found in bundle 1/29/35*
- ✓14641. *Desmodium scorpiurus* (Sw.) Desv.?
- ✓14689. *Bunchosia glauca* H.B.K.
- ✓14712. *Benthameantha caribaea* (Jacq.) Kuntze, var.
- ✓14735. *Calathea lutea* (Aubl.) May.
- ✓14761. *Tetracera sessiliflora* Tr. & Pl.
- ✓14763. *Renealmia cernua* (Sw.) Macbr. (*R. strobilifera* P. & E.)
- ✓14827. *Desmodium adscendens* (Sw.) DC. (correction)
- ✓14852, 14890. *Vismia lauriformis* (Lam.) Choisy
- ✓14892. *Cecropia goudotiana* Tréc? (immature)
- ✓14931. *Costus villosissimus* Jacq.? (U. S. Specimen poor)
- ✓14988. *Phoradendron piperoides* (H.B.K.) Trel.
- ✓15010. *Cecropia scaberrifolia* A. Richter (det. Mildbraed)
- ✓15099. *Clusia multiflora* H.B.K.
- ✓15225. *Eurya (Freziera) danrai* (Urb.) Melch. vel aff. (det. Melchior)
- ✓15354. *Clusia rosea* L.
- ✓15389. *Stromanthe tonkat* (Aubl.) Eichl.
- ✓15400. *Desmodium intortum* (Mill.) Fawc. & Rendle
- ✓15430, 20053, 20123. *Clusia eugenoides* Pl. & Lind.
- ✓15451. *Sterculia apetala* (Jacq.) Karst.?
- ✓15469, 16161, 17054, 18012. *Mandevilla fendleri* (M. A.) Woods.
 (Rather than var. of *mollissima*)
- ✓15510. *Erythrina rubrinervia* H.B.K.
- ✓15521. *Dolichos lablab* L.
- ✓15866. *Ternstroemia clusiaeifolia* H.B.K.
- ✓15872. *Dendrophthora lindeniana* V. Tiegh
- ✓16016, 19753, 19893. *Sisyrinchium bogotense* H.B.K.
- ✓16121. *Perrottetia quindimensis* H.B.K.
- ✓16181. *Mandevilla scabra* (R. & S.) K. Sch. (not *M. mollissima scabra*)
 cited by Woodson
- ✓16253. *Dioclea guianensis* Benth.
- ✓16301. *Chaetocalyx hebecarpa* Benth.
- ✓16330. *Arrabidaea magnifica* Sprague

- ✓16346. *Oxypetalum cordifolium* (Vent.) Schltr.
- ✓16367. *Benthamantha caribaea* (Jacq.) Kuntze, var.
- ✓16396. *Phoradendron killipii* Trel.
- ✓16420. *Clusia rosea* L.
- ✓16479. *Phaseolus adenanthus* Mey.
- ✓16622. *Erythrina rubrinervia* H.B.K.
- ✓16768. *Panopsis suaveolens* (Kl.) Pittier
- ✓16827. *Phaseolus adenanthus* May.
- ✓16868. *Desmodium intortum* (Mill.) Fawc. & Rendle
- ✓16968. *Carex polystachya* Wahl. (Det. Mackenzie)
- ✓17002. *Phoradendron suratanum* Trel.
- ✓17061. *Desmodium campyloclados* Hemsl.
- ✓17063. *Anthurium nitidum* Kunth
- ✓17065. " *deflexum* Engl.
- ✓17104, 17122. *Phytolacca rugosa* A. Br. & Bouché (Det. P. Wilson)
- ✓17377. *Phoradendron sanguineum* Trel. (type)
- ✓17643. *Lobelia gryllorum* Wimmer?
- ✓17783. *Dendrophthora lindeniana* V. Tiegh
- ✓17886. *Daphnopsis purdiei* Meissn.
- ✓18055. *Brunellia funckiana* Tul.
- ✓18196, 19751, 20632. *Clusia multiflora* H.B.K.
- ✓18221. *Dendrophthora clavata* (Benth.) Urb.
- ✓18293. *Perrottetia quindiuensis* H.B.K.
- ✓18295. *Clusia alata* Pl. & Tr.
- ✓18369. *Anthurium deflexum* Engl.
- ✓18676. *Carex jamesonii* Boott (Det. Mackenzie)
- ✓18736. *Clusia alata* Pl. & Tr.
- ✓18902. *Ternstroemia clusioides* H.B.K.
- ✓18903. *Clusia ducu* var. *schlimiana* Pl. & Lind.
- ✓19019. *Tetrapteris anomala* Morton (type)
- ✓19065. *Rhedia madruno* Pl. & Tr.
- ✓19233. *Phaseolus erythroloma* Mart. (correction)
- ✓19256, 20152, 20276. *Perrottetia quindiuensis* H.B.K.
- ✓19359. *Ruellia tetrastichantha* Lindau
- ✓19387. *Dioclea densiflora* Huber
- ✓19394. *Oxypetalum cordifolium* (Vent.) Schltr.
- ✓19481. *Heliocarpus popayanensis* H.B.K.
- ✓19538. *Papaver somniferum* L. (form)
- ✓19816. *Oxypetalum cordifolium* (Vent.) Schltr.
- ✓19888. *Psoralea mexicana* (L. f.) Vail
- ✓19896. *Sisyrinchium convolutum* Mosca
- ✓20037. *Vismia dealbata* H.B.K.
- ✓20360. *Gynandropsis coccinea* Benth. (not *Cleome*)
- ✓20483. *Phoradendron piperoides* (H.B.K.) Trel.
- ✓20520. *Miconia lindenii* Naud. (Det. Gleason)
- ✓20832. *Dioclea guianensis* Benth.
- ✓20857. *Dolichos labiata* L.
- ✓20862. *Machaerium moritzianum* Benth.
- ✓20874. *Machaerium subacutum* Killip (type)
- ✓20897. *Hippocratea aspera* Lam.
- ✓21066. *Erythrina velutina* Willd.
- ✓21085. *Phoradendron degenianum* Trel.
- ✓21087. *Banisteriopsis heterostyla* (Juss.) Morton (not *B. jasminellum*)
- ✓21174. *Clusia alata* Pl. & Tr.

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KILLIP - SMITH. COLOMBIA

U. S. National Museum

February 19, 1934.

(Flacourtiaceae by Sleumer; Crassulaceae by Walther; Piperaceae by Trelease; others by E. P. Killip, unless otherwise indicated. Note: This holds for other identifications now reported.)

- 14399. *Xylosma prunifolium* (H.B.K.) Tr. & Pl.
- ✓14482. *Senegalia turbacensis* B. & K. (type)
- ✓14784. *Casearia arguta* H.B.K.
- ✓14902. *Dichromena parvula* B. & K. (type; rather than *D. pubera*)
- ✓14923. *Inga smithii* B. & K. (type; reported as 14293 E. earlier)
- ✓15030. *Casearia arguta* H.B.K.
- ✓15500. *Dichondra repens* Forst.
- ✓15560. *Sibthorpia repens* (L.)
- ✓17245. *Echeveria bicolor* (H.B.K.) Walth.
- ✓17399. *Echeveria bicolor* (H.B.K.) Walth.
- ✓17754. *Sibthorpia repens* (L.)
- ✓16162. *Peperomia albert-smithii* Trel. (type)
- ✓16354. *Peperomia pereskiaefolia* bucaranangana Trel.
- ✓16257. *Casearia arguta* H.B.K.
- ✓16915. *Crassula multicava* Lem.
- ✓16955. *Citharexylum montanum* Moldenke (type)
- ✓18120. *Peperomia rivuligaudens* Trel. (type)
- ✓18219. *Hydrocotyle bomplandii* Rich.
- ✓18519. *Sibthorpia* ? (not *Hydrocotyle bomplandii*)
- ✓19166. *Peperomia adscendens* C. DC. Trel.
- ✓19521. *Echeveria bicolor* (H.B.K.) Walth.
- ✓19786. *Xylosma spiculiferum* (Tul.) Tr.
- ✓20012. *Miconia mesmeana* Gleason (type)
- ✓20102. *Peperomia undulatifolia* Trel. (type)
- ✓20128. *Phoradendron piperoides* Trel.
- ✓20145. *Xylosma rubicundum* (Kerst.) Gilg.
- ✓20667. *Sibthorpia repens* (L.)
- 21679. *Citharexylum flexuosum* var. *subglabrum* Moldenke (type)
- 22216. *Muhlenbergia peruviana* (Beauv.) Steud. (not *Aristida capillacea*).
Mixed with this at U.S.N.M. is *Paspalum pygmaeum* Hock. (2216a.)
- 22270. *Peperomia carducifolia* Trel. (type)
- 22533. *Heliconia lingulata* R. & P. (det. Griggs)
- 30235. *Solanum subinerme* Jacq. (det. C.V. Morton)
- 30284. " " " " "
- 30359. " " " " "
- 30381. " *platyphyllum* H.B.K. (det. C.V. Morton)
- 30405. " *subinerme* Jacq. " "

Current South American Collections.

(Determinations by E. P. Killip, unless otherwise noted)

Reported by U. S. National Museum, August 1936.

Killip & Smith, Colombia

- ✓14053. *Beurreria exsuda* Jacq.
✓14091. *Desmodium distortum* (Aubl.) Macbr.
✓14471. " *canum* (Gmel.) Schinz & Thell.
✓14224. *Buettneria aculeata* Jacq. (forn)
✓14631. *Calycophyllum candidissimum* (Vahl) DC. (det. P. C. Standley)
✓14903. *Gleome glabra* Temb. (Compared at Paris)
✓14971. *Aegiphila laeta* H.B.K. (corr. by Moldenke)
✓15001. *Befaria hispida* P. & E.
✓15553. *Monopyle leucantha* Moritz (det. Morton)
" 15620. Mixture of *Alchemilla killipii* Rothm. (type),
 A. aphanoides Mutis, and *A. vulcanica* C. & S.
"✓15945. *Panopsis polystachya* (H.B.K.) Kuntze
" 15947. *Disterigma classanthum* (reported in error as 15945)
✓16600. *Machaerium floribundum* Benth.
✓17098. *Monopyle leucantha* Moritz (det. Morton)
✓17331. *Echeveria columbiana* Poell. type Not *E. bicolor*.
"✓17399. *Echeveria columbiana* Poell. Not *E. bicolor*.
✓17816. *Aplopappus lehmannii* var. *subcalvus* Blake (type)
✓17949. *Disterigma campetrisifolium* (H.B.K.) Brude (det. A. C. Smith)
✓18438. *Alchemilla holmgrenii* Rothm. (not *A. mardiei*; det. Rothmaler)
✓19042. *Marcgravia rectiflora* Tr. & Pl. (Compared with type at Paris;
 most specimens referred here are *M. brownii* (Tr. & Pl.) Krug. & Urb.)
✓19273. *Monopyle leucantha* Moritz (det. Morton)
✓19941. *Dendrophthora clavata* (Benth.) Urb. (Compared with type at Kew)
✓20074. *Centropogon tenuifolius* Wimmer (type)
- 2119741

Killip & Smith, Colombia

Reported May 19, 1938

(Det. H.P. Killip, unless otherwise noted)

- ✓14104. *Citrullus vulgaris* Schrad. (Det. Harms)
✓14128. *Sida acuta* Burm.
✓14144. *Portulaca mucronata* Link
✓14175. *Anoda cristata* (L.) Schl.
✓14281. *Iuffa cylindrica* (L.) Roem.
✓14498. *Wissadula amplissima* (L.) Fries
✓14550. *Malachra alceifolia* Jacq.
✓14552. *Anemopaegma retusum* Sprague
✓14603. *Malothria guadalupensis* (Spreng.) Urb.
✓14714. *Kosteletzkya sagittata* Presl
✓14842. *Hypolytrum sylvaticum* Poepp. & Kunth
✓14939. *Trichilia* aff. *T. flava* C. DC. (Det. Harms)
✓15097. *Calea* var. *subcordata* *Mirtella* Blake (type)
✓15366. *Steiractinia lucidula* Blake (type)
✓15458. *Psidium catteianum* Sabine
○ ✓15486. *Saracha procumbens* (Cav.) R. & P. (Det. Morton)
✓15544. *Saracha nitida* Bitt. (Det. Morton)
✓16124. *Ichthyothere grandifolia* Blake (type)
✓16265. *Davilla lacunosa* Mart.? (Det. Sleumer)
○ ✓16649. *Aniba puchury-minor* (Mart.) Mez (Det. Kostermans)
✓16757. *Malvastrum peruvianum* (L.) Gray
✓16860. *Cuphea serpyllifolia* H.B.K.
✓16869. *Malvastrum peruvianum* (L.) Gray
✓17358. *Ranunculus flagelliformis* Sm. (already reported?)
✓17426. *Eugenia ternifolia* Berg
✓17574. *Poa cucullata* Hack. (not *P. pardoana*; corr. by Swallen)
✓17816. *Aplopappus lehmannii* var. *subcalvus* Blake (type)
✓18181. *Ranunculus*
✓18230. *Calea acoma* Blake (Det. Blake)
✓18440. *Diplostegium glutinosum* Blake (type)
✓18866. *Calea subcordata* Blake (Det. Blake)
✓18898. *Calea subcordata* Blake (Det. Blake)
✓18936. *Utricularis obtusa* Sw.
✓19486. *Malvastrum peruvianum* (L.) Gray
✓19571. *Diplostegium apiculatum* Blake (type)
✓19633. *Eugenia triquetra* Berg
✓19637. *Calea acoma* Blake (Det. Blake)
✓19808. *Calea subcordata* Blake (Det. Blake)
✓19882. *Eugenia mariquitensis* Berg
✓19898. *Aiouea dubia* (H.B.K.) Mez (aff.) (Det. Kostermans)
✓20152. *Perrottetia quindimensis* H.B.K.
✓20276. " " "
✓20721. *Calea acoma* Blake (Det. Blake)
✓21061. *Conocarpus erecta* L.
○ ✓21084. *Casearia tremula* (Griseb.) Wright
✓21173. *Aragoa lycopodioides* Benth.
○ 21200. *Bombax?* (specimen too fragmentary)
○ 23753. *Saracha procumbens* (Cav.) R. & P. (Det. Morton)

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Killip & Smith - Colombia
Det. E. P. Killip unless otherwise noted
(Reported by U.S.N.M., April 1942)

- X 14328. *Calomystion aculeatum* (L.) House
- 14532. *Bonania ferruginea* (Karst. & Tr.) B. & H.
14656. *Anthurium crassinervium* (Jacq.) Schott
- 15392. *Rauwolfia sanctorum* Woodson (type; reported as *R. moricandii*)
16298. *Anthurium maximum* (Desf.) Engl.
- 16565. " *denudatum* Engl.
16588. *Caladium*
17064. *Anthurium multinervium* Engl.
- 17897. *Maytenus blepharodes* Lundell (type)
Comp. X 18240. *Diplostegium apiculatum* Blake (Det. Blake)
- 18346. *Anthurium nitidum* Benth.
Comp. X 18536. *Plagiocheilus solivaeformis* DC. (ex char.; det. Blake)
" X 18579. *Cotula minuta* (L. f.) Sweet Det. Blake
X 18646. *Gentiana nevadensis* Gilg
- 18762, 19978. *Anthurium magnificum* Linden
X 19548. *Ranunculus mandonianus* Wedd.
= 20193, 20380 (type), 21224. *Styrax pseudargyrophyllus* Sleumer (not
S. *micrasterus*)
- 20456. *Anthurium funiferum* Kl.
X 20917. *Ipomoea tiliacea* (Willd.) Choisy
21162. *Septoria didyma* Fkl. Det. Stevenson
X 21208. *Olea europaea* L.

det's. entered
file

Jan. 1952

Killip & Smith, Colombia
Det. J. Cuatrecasas

- ✓ 15398 *Senecio ellsworthii* Cuatr.
- 15651 " *viridi-albus* Cuatr.
- ✓ 15655 " *elatoides* Wedd.
- 15688 *Gynoxys subcinerea* Cuatr.
- ✓ 15867 *Ilex velutinulosa* Cuatr. (type)
- ✓ 17228 *Gynoxys subcinerea* Cuatr.
- ✓ 17244 " " "
- ✓ 17463 *Senecio novolanatus* Cuatr.
- ✓ 17505 " " " (type)
- ✓ 17520 " *alberto-smithii* Cuatr. (type)
- ✓ 17577 *Gynoxys subcinerea* Cuatr.
- ✓ 17610 " " "
- ✓ 17728 *Senecio* aff. *trianai*
- 17961 " *elatoides* Wedd. (not *S. aciculatus*)
- 18051 " *theaeifolius* f. *setulosus* (Klatt) Cuatr.
- ✓ 18089 " *pseudoformosus* Cuatr.
- ✓ 18104 " " "
- 18204 *Gynoxys subcinerea* Cuatr.
- 18241 *Senecio vaccinioides* (H.B.K.) Sch. Bip.
- ✓ 18602 x " " x *S. novolanatus* (hyb.)
- 18605 *Gynoxys subcinerea* Cuatr.
- ✓ 18618 *Senecio elatoides* Wedd.
- ✓ 18955 " *bejuocosus* Cuatr. (form)
- ✓ 19002 " *pennellii* Greenm. (form)
- ✓ 19413 " *ellsworthii* Cuatr.
- ✓ 19576 *Gynoxys subcinerea* Cuatr.
- ✓ 19619 *Senecio pulchellus* (H.B.K.) DC. (form)
- ✓ 19695 " *xanthopappus* Klatt
- ✓ 19710 " *pulchellus* (H.B.K.) DC. (form)
- ✓ 19872 " *haticoensis* Cuatr. (not *S. ellipticifolius*)
- ✓ 19908 " *pennellii* var. *gachetensis* Greenm.
- ✓ 20381 " *bejuocosus* Cuatr. (form)
- ✓ 20488 " *haticoensis* Cuatr. (not *S. ellipticifolius*)
- 20581 " " " " " "
- ✓ 20601 " aff. *pennellii* Greenm.
- ✓ 20735 " *haticoensis* Cuatr. (type)



Killip, Ellsworth P. et al. 1926. "[Killip-Smith, Colombia]." *Plant lists : Colombia, Chile, Peru, and Brazil*

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