

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C.

January 26, 1920.

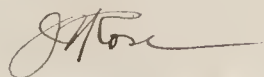
Dr. B. L. Robinson,
Gray Herbarium,
Harvard University,
Cambridge, Massachusetts.

My dear Dr. Robinson:

Thank you very much for your letter of January 16 with your three lists of identifications of my Eupatoriums from Ecuador. I am glad to see that the collection contained so many novelties and interesting species.

With regard to those needing numbers I think that your temporary numbers can be combined, especially those about Huigra. Below I have given my new numbers and your equivalents,

Very truly,



Associate Curator,
Division of Plants.

✓ 24078 - a1, a2, a3
✓ 24079 - a4.
✓ 24080 - a5
✓ 24081 - a6
✓ 24082 - a7, a8, a9, a10
✓ 24083 - a11
✓ 24084 - a12
✓ 24085 - a13, a14.

ROSE

PLANTS OF ECUADOR. EXPEDITION OF 1918.

- 22091 *Jatropha gossypifolia* L.
22102 *Borago officinalis* L.
22144 *Carica*
22147 "
22197 *Esenbeckia*, n. sp. = Matthew No. 3045
22198 *Mentzelia soratensis* Urb. & Gilg
22207 *Psidium Guajava* L.
22215 *Castilleja communis* Benth.
22244 *Clematis sericea* HBK.?
22272 *Jussiaea pilosa* HBK.?
22305 *Buettneria*
22310 *Erodium cicutarium* (L.) L'Hér.
22339 *Malilotus indica* (L.) All.
22354 *Carica*
22359 *Malvastrum peruvianum* (L.) Gray
22362 *Capsella Bursa-pastoris* (L.) Medic.
22382 *Marrubium vulgare* L.
22409 *Jussiaea erecta* L.
22532 *Solanum nigrum* L.
22551 *Asclepias curassavica* L.
22550 *Dalechampia scandens* L.
22576 *Lysipomia scoullis* HBK.
22728 *Amsinckia hispida* (R. & P.) Johnston
22815 *Parosela coerulea* (L. f.) Macbride
22857 Referable to *Polygonum punctatum* Ell.?
22947 *Plagicbothrys pygmaeus* (HBK.) Johnston
23022 *Cantua pirifolia* Juss.
23103 *Gumera pilosa* Kunth.
23113 *Oreopanax*
23163 *Oenothera tarquensis* HBK.
23166 *Vallea*
23235 "
23240 *Oreopanax*
23258 *Cantua quercifolia* Juss.
23312 *Vallea*
23328 *Sapindus Saponaria* L.
23335 *Lafoensia speciosa* (HBK.) DC.?
23362 *Carica*
23370 *Centrolobium paraense* Wal.
23386 *Oreopanax*
23411 *Cecropia*
23479 *Biophytum dendroides* (HBK.) DC.
23485 *Loasa triphylla* Juss., var. *aequatoriana* Urb. & Gilg
23533 *Oenothera tarquensis* HBK.
23592 *Carica*
23601 *Jussiaea erecta* L.
23609 *Capparis flexuosa* L. ?
23792 *Polytepis brachyphylla* Bitter
23869 *Castilleja communis* Benth.
23985 *Malvastrum spicatum* (L.) Gray

PLANTS COLLECTED BY J. H. ROSE IN ECUADOR IN 1918.

- No. 22250 - Elizaldea n. gen.
22671 - Cedrella ^{Blake} rosei n. sp.
22273 - Copea licayensis Rose and Standley n. sp.
22635 - Trema micrantha (L.) Blume
23861 - Trema micrantha (L.) Blume
22155 - Pittcairnia excapa Hooker

PLANTS COLLECTED BY DR. ROSE IN ECUADOR IN 1918
IDENTIFIED BY DR. BRITTON AT KEW IN 1920

- 22237 - *Clusia* sp. (Not at Kew)
- 22507 - *Psychotria Hartwegi* = *Coffea marginata* Benth. or very
near it
- 22992) - *Axinaea lepidota* (Benth) Triana
23116)
- 22788 - *Brachyotum confertum* (Bonpl) Triana
- 22765 - *Brachyotum jamiesoni* Triana
- 23094 - *Brachyotum trichocalyx* Triana
- 22562 - *Tibouchina longifolia* (Vahl) Baill.
- 22791)
23164) - *Tibouchina laxa* (Desv.) Cogn
23065)
- 23087 - *Miconia alypifolia* Naud
- 22185 - *Miconia* (Not matched at Kew. Apparently near *crocea*.)
- 23020 - *Miconia ledifolia* (DC) Naud
- 23036 - *Miconia* = 22871 *Aspergillus* (Bonpl) Naud
- 23275 - *Miconia lutescens* (Bonpl.) DC
- 23379 - *Miconia albicans* (Sw.) Triana
- 23027 - *Brachyotum* (not quite matched in Kew Herb.)
- 22475 - *Cestrum* (not at Kew)
- 22279 - *Cestrum* (Not at Kew)
- 22332 - *Cestrum* = ^mCunning, Lima 1040 unnamed in Kew Herb.
- 23264 - *Cestrum* (Not at Kew)
- 22423 - *Iochroma* = Spruce 5961a Ecuador (Not named at Kew)

Almond? (1-11-11)
Aspergillus?

- 22449 - *Anneslea* (Not at Kew) Note hairy pods
- 22643 - *Anneslea caracasana* (Jacq.)
- 23588 - *Pithecolobium daulense* Spruce - Spruce 6330! - funny Pitheo.
- ? 22111 - *Mimosa floribunda* Willd. - (Not quite matched at Kew)
- 23256 - *Mimosa* - near *M. albida* - (Not quite matched at Kew)
- 23269 - *Lupinus* (Not at Kew)
- 23349 - *Aescynomene* (Not at Kew)
- 22563 - *Erythrina* (near *rubrinervis* HBK)
- 22594 - *Erythrina* (Not at Kew)
- 23452 - *Anneslea* (Not at Kew)
- 23517 - *Anneslea* (Not at Kew)
- 23043 - *Mimosa* (Not matched at Kew)
- 23569 - *Mimosa* (Not matched at Kew)
- 22386 - *Inga* ? (Not matched at Kew (Note stalked glands between leaf-lets)
- 22205 - *Chamaecrista* (Not matched at Kew)
- 23851 - *Chamaecrista* (Near *C. flavicoma* HBK. but apparently distinct)
- 23376 - *Bauhinia* (Not matched at Kew)
- 22119 - *Bauhinia* (Not matched at Kew)
- 23589 - *Bauhinia* (Not matched at Kew)
- 22461 - *Cassia picta* Don - Sinclair from Guayaquil. Herb. Kew
- 23586 - *Cassia atomaria* L.
- 22467 - *Cassia oxyphylla* Kunth - Hartweg 652 from Guayaquil
- 23348 - (Not at Kew. N. E. Brown dissected it and suggests relationship to *Gliricidia* or *Coursetia*. Compare a Bolivian plant referred by Rusby to *Gliricidia*)

- 23526 - *Bradburya plumieri* - unusually large
22581 (Not at Kew) *Pachyrhizus* sp. ?
22418 - *Phaseolus* (Not at Kew)
23112 (Not at Kew under *Rhynchosia*)
22165 - *Crotalaria stipularia* Desv. - young - Det. N. E. Brown
23512 - If *Coursetia* near *C. grandiflora* Benth.
22621 - *Benthamantha ochroleuca*
22451 - *Benthamantha* - *Tephrosia glandulifera* Benth.
23350 - *Parosela alopecuroides* ? (Specimen imperfect)
22139)
22937) - *Parosela* - *Dalea ayavacensis* HBK. Distinct from *mutisii*?
23545)
23303)
22790 - *Parosela* same as a Jameson Ecuador specimen not named at Kew
23033 - *Parosela pycnostachya*
23444 - *Machaerium* (Not at Kew)
23011 - *Lupinus* (Not at Kew)
22348 - *Lupinus ramosissimus* Benth. compared with type - 23905,
22317
23585 - *Acacia pellacantha* Vogel (included by Benth. in *A. macracantha*)
23584 - A flowering scrap of this from Guayaquil in Kew Herb.
coll. Jameson. In *macracantha* cover but
evidently distinct.
? 23524 - *Anneslea* - near *portoricensis* (Not quite matched at Kew)
23295 - *Palicourea* near *P. stipularis* Benth
22515 - *Palicourea* (Not matched at Kew or at British Museum.)
? 22506 - *Palicourea fragilis* Mennham - Spruce 6010

- 22988 - Solanum (Not at Kew under name - Matthews Peru #840
22912 - Solanum - Crois #46 "A tree in the hot region of palms
Chimborazo". Not named at Kew
23311 - Iochroma - near I. grandiflora
22174 - Lycopersicum peruvianum Mill.
23021)- Streptosolon jamesonii Miers
23111)
23568 - ~~Salpichroa~~ - near L. diffusum Miers
22945 - Salpichroa diffusum Miers apparently
22703 - Iochroma fuchsioides Miers
23265)- Iochroma tubulosa Benth.
23052)
23224 - Iochroma loxensis Miers - perhaps - I. tubulosa Benth.
? 22313 - Nicotiana , near N. paniculata
? 22313 - Nicotiana, near N. undulata
23570 - Nicotiana, near N. undulata
19043 - Cuzco, Peru. Nicotiana undulata R. & P.
23045 - Solanum. Not at Kew
22963 - Solanum aureum Dural or very near it
22200 Solanum near jasmifolium
23566)
22304)- Solanum candicans Dural
23873 - Solanum caripense HBK. - Subsp. Jamesonianum Better
22944 - Solanum near caripense
22258 - Solanum (not at Kew*)
22136 - " "
22138 " "
22390 " "
22917 " "
22398 " "

These referred
to Dr. Rose
about 1st Nov
1920

PLANTS OF ECUADOR COLL. BY DR. J. W. ROSE

Verbenaceae

- . 22312 *Verbena microphylla* HBK.
- . 22350 *Lantana rugulosa* HBK.
- . 22400 *Verbena microphylla* HBK.
- . 22538 *Verbena litoralis* HBK.
- . 22845 " " "
- . 22846 In part *Verbena litoralis* HBK. and in part probably *V. bonariensis* L.
- . 22851 *Verbena litoralis* HBK.
- 23407 *Stachytarpheta dichotoma* (R. & P.) Vahl.
- . 23927 *Lantana* sp.

Capparidaceae

- . 23523 *Cleome pilosa* Benth. ?

Compositae

- . 22547 *Siegesbeckia flosculosa* L'Hér.
- . 22567 *Porophyllum ruderale* (Jacq.) Cass., var. *ellipticum* (Cass.) Gray.
- . 22691 *Tafalla thyoides* D. Don.

LIST OF DR. ROSE'S ECUADOREAN CACTI, 1918.

- ✓ 22116 *Hylocereus* sp.
- ✓ 22117 *Monvillea* ?
- ✓ 22118 *Lemaireocereus cartwrightiana* Britton and Rose, n.sp.
- ✓ 22122 *Opuntia quitensis* Weber
- ✓ 22127 *Lemaireocereus godingiana* Britton and Rose, n. sp.
- ✓ 22201 *Opuntia dobbieana* Britton and Rose, n. sp.
- 22306 *Opuntia pestifer* Britton and Rose,
- ✓ 22389 *Borzicactus sepium* Riccobono
- ✓ 22390 *Opuntia*
- 22391 *Opuntia bonplandii* (HBK.) De Candolle,
- ✓ 22392 *Opuntia cylindrica* (Lamarck) De Candolle,
- ✓ 22393 ~~*Subulatae*~~ *Opuntia exaltata* Berger,
- 22394 *Trichocereus strictus* Britton and Rose, n. sp.
- 22426 *Borzicactus morleyanus* Britton and Rose, n. sp.
- 22431 *Borzicactus morleyanus* Britton and Rose, n. sp.
- ✓ 22432 *Opuntia aequatorialis* Britton and Rose, n. sp.
- ✓ 22433 *Opuntia pestifer* Britton and Rose,
- ✓ 22434 *Opuntia dobbieana* Britton and Rose, n. sp.
- ✓ 22614 *Epiphyllum* sp.
- ✓ 22615 *Rhipsalis* sp.
- ✓ 22806 *Trichocereus strictus* Britton and Rose, n. sp.
- ✓ 22825 *Borzicactus morleganus* Britton and Rose, n. sp.
- 22910 *Opuntia bonplandii* (HBK.) De Candolle,
- ✓ 23029 *Borzicactus icosagonus* (HBK.) Britton and Rose,
- 23044 *Opuntia quitensis* Weber,
- ✓ 23047 *Opuntia pestifer* Britton and Rose,
- ✓ 23130 *Borzicactus icosagonus* (HBK.) Britton and Rose,
- 23246 *Rhipsalis micrantha* (HBK.)

- ✓ 23325 *Monvillea diffusa* Britton and Rose, n. sp.
 ✓ 23326 *Espostoa lanatus* (HBK.) Britton and Rose,
 ✓ 23340 *Lemaireocereus laetous* (HBK.) Britton and Rose,
 ✓ 23342 *Hylocereus* sp.
 ✓ 23352 *Opuntia pestifer* Britton and Rose,
 ✓ 23396 *Hylocereus* sp.
 ✓ 23454 *Cephalocereus tweediana* Britton and Rose, n. sp.
 ✓ 23491 *Rhipsalis* n. sp.
 ✓ 23493 *Epiphyllum* sp.
 ✓ 23494 *Cephalocereus tweediana* Britton and Rose, n. sp.
 ✓ 23495 *Monvillea maritima* Britton and Rose, n. sp.
 ✓ 23557 *Borzicactus sepium* Riccobono,
 ✓ 23558 *Opuntia cylindrica*
 ✓ 23559 *Opuntia soederstromiana* Britton and Rose, n. sp.
 ✓ 23628 *Opuntia tunicata*
 ✓ 23629 *Opuntia exaltata* Berger,

H. 1600

FERNS COLLECTED IN ECUADOR BY DOCTOR ROSE IN 1918.

- ✓ 22163. *Azolla filiculoides* Lam.
- 22232. *Polypodium*
- ✓ 22234. *Asplenium fragrans* Swartz.
- 22234a. " " "
- 22234b. " " "
- ✓ 22251. *Lycopodium linifolium* L.
- ✓ 22270. *Polypodium angustifolium* Swartz.
- ✓ 22280. *Blechnum occidentale* L.
- ✓ 22286. *Polypodium*
- ✓ 22288. " *angustifolium* Swartz.
- ✓ 22341. *Pityrogramma tartarea* (Cav.) Maxon.
- 22370. *Polypodium angustifolium* Swartz.
- 22379. *Dryopteris squamosissima* (Sod.) C. Chr.
- ✓ 22420. *Equisetum xylochaetum* Mett.
- ✓ 22427. *Pityrogramma tartarea* (Cav.) Maxon.
- ✓ 22494. *Polypodium*
- ✓ 22500. *Adiantum*
- ✓ 22503. *Dryopteris paleacea* (Sw.) C. Chr.
- ✓ 22508. *Cyathea*
- ✓ 22552. *Blechnum occidentale* L.
- 22553. *Adiantum concinnum* H. & B.
- 22576. " " "
- 22587. *Polypodium tectum* Kaulf.
- ✓ 22599. *Diplazium*
- ✓ 22602. *Pteris?*
- ✓ 22605. *Cyathea*
- ✓ 22608. *Dryopteris sprengelii* (Kaulf.) Kuntze.
- ✓ 22611. *Stenochlaena marginata* (Schrad.) C. Chr.
- ✓ 22692. *Struthiopteris loxensis* (Kunth) Maxon.
- ✓ 22734. *Asplenium fragile* Presl.
- 22755. *Jamesonia*
- 22757. *Polypodium moniliforme* Lag.
- ✓ 22772. *Dicranopteris simplex* (Desv.) Maxon.
- ✓ 22784. *Lycopodium complanatum* L. (form).
- 22785. " *contiguum* Klotzsch.
- ✓ 22793. *Asplenium praemorsum* Swartz.
- 22794. *Polypodium lanceolatum* Desv.
- ✓ 22795. *Cheilanthes myriophylla* Desv.
- ✓ 22816. *Cyclophorus americanus* (Hook.) C. Chr.
- ✓ 22839. *Asplenium fragile* Presl.
- ✓ 22840. *Polypodium crassifolium* L.
- 22872. *Pellaea ternifolia* (Cav.) Link.
- ✓ 22873. *Cheilanthes myriophylla* Desv.
- ✓ 22899. *Asplenium resiliens* Kunze.
- 22904. *Polypodium*
- ✓ 22928. " *lanceolatum* L.
- 22975. *Polystichum sodiroi* Christ
- ✓ 22977. *Pteridium arachnoideum* (Kaulf.) Maxon.
- 22986. *Lycopodium complanatum* L. (form).

- 22987. *Lycopodium clavatum* L.
- ✓ 22999. *Polypodium moniliforme* Lag.
- 23058. " *lanceolatum* L.
- ✓ 23098. *Alsophila quadripinnata* (Gmel.) C. Chr.
- ✓ 23099. *Dicranopteris simplex* (Desv.) Maxon.
- ✓ 23104. *Lycopodium complanatum* L. (form).
- 23114. *Polypodium angustifolium* Swartz.
- 23122. *Dicranopteris affinis* (Mett.) Maxon.
- 23196. *Asplenium fragrans* Swartz.
- 23197. *Lycopodium vestitum* Desv.
- 23221. *Polypodium*
- 23227. " *angustifolium* Swartz.
- ✓ 23314. " *moniliforme* Lag.
- ✓ 23354. *Gymnopteris rufa* (L.) Bernh.
- ✓ 23382. *Lycopodium reflexum* Lam.
- ✓ 23433. *Hymenophyllum fucoides* Swartz.
- 23460. *Polypodium taxifolium* L.
- ✓ 23466. *Dicranopteris pectinata* (Willd.) Underw.
- 23468. *Polypodium*
- 23551. *Asplenium monanthes* L.
- 23633. *Salvinia auriculata* Aubl.
- 23952. *Notholaena bonariensis* (Willd.) C. Chr.
- 23953. *Asplenium resiliens* Kunze.
- 23954. *Pityrogramma tartarea* (Cav.) Maxon.
- ✓ 23955. *Polypodium murorum* Hook.
- 23956. *Asplenium fragrans* Swartz.
- 23957. " *praemorsum* Swartz.
- ✓ 23958. *Adiantum concinnum* H. & B.
- ✓ 23961. *Polypodium percussum* Cav.
- 23964. *Lycopodium herbaceum* (Spring) Hieron.
- 23965. *Polystichum sodiroi* Christ.
- 23966. *Pellaea ternifolia* (Cav.) Link.
- 23967. *Cheilanthes myriophylla* Desv.
- ✓ 23968. *Notholaena sinuata* (Swartz) Kaulf.
- 23970. *Dicranopteris simplex* (Desv.) Maxon.
- 23971. " " " "
- 23972. *Asplenium praemorsum* Swartz.
- 23973. " " " "
- 23974. *Lycopodium linifolium* L.?
- 24088. *Polypodium preslianum* Spreng.?

February 24, 1925.

GRASSES FROM ECUADOR, COLLECTED BY J. N. ROSE IN 1918.

NAMED BY PROFESSOR HITCHCOCK.

- 22112 Pennisetum
✓ 22141 Oplismenus burmannii Beauv.
22162 Paspalum racemosum Lam.
22184 Lasiacis sorghoidea (Desv.) Hitchc. & Chase,
22208 Arundinella hispida (Willd.) Kuntze,
22221 Hordeum vulgare L.
22292 Probably Chusquea quila Kunth,
22334 Eragrostis contristata Nees in Meyen,
22372 Pennisetum bambusiforme (Fourn) Hemsl.
22381 Cortaderia rudiuscula Stapf.
22385 Arundo donax L.
22402 Poa annua L.
22404 Bromus unioloides H. B. K.
22419 Aristida adscensionis L.
22435 Gynerium sagittatum Beauv.
22436 (Axonopus) Paspalum scoparium Flüge,
22446 Panicum pulchellum Raddi,
22472 Polypogon elongatus H. B. K.
22473 Bromus pendulinus Sessé in Lag.
22496 Polypogon littoralis (With.) Smith,
22497
22498 Olyra
22530 Pennisetum bambusiforme (Fourn.) Hemsl.
22539 Polypogon elongatus H. B. K.
22540 Melica laxiflora Cav.
22550 Muhlenbergia microsperma (DC.) Kunth,
22639 Paspalum humboldtianum Flüge,
22645 Paspalum saccharoides Nees,

- 22647 *Andropogon berteronianus* Steud. & Hochst.
 22662 *Agrostis bacillata* Hack.
 22745 *Poa annua* L.
 22798 *Eragrostis mexicana* (Lag.) Link,
 22799 *Stipa ichu* (Ruez & Pav.) Kunth,
 22886 *Polypogon littoralis* (With.) Smith,
 22887 *Aegopogon cenchroides* H. & B; Willd.
 22890 *Polypogon littoralis* (With.) Smith,
 ✓ 22915 *Bromus unioloides* H. B. K.
 22958 *Bromus unioloides* H. B. K.
 22994 *Calamagrostis humboldtiana* Steudel,,
 22997 *Cortaderia rudiuscula* Stapf.
 23075 *Polypogon elongatus* H. B. K.
 23102 *Cortaderia bifida* Pilger,
 23149 *Chusquea scandens* Kunth,
 23159 *Chaetochloa geniculata* (Lam.) Millsp. & Chase,
 23201 *Chusquea scandens* Kunth,
 23202 *Pennisetum bambusiforme* (Fourn.) Hemsl.
 23219 *Paspalum candidum* Kunth,
 23257 *Isachne arundinacea* Grseb.
 23318 *Aegopogon cenchroides* H. & B., Willd.
 23374 *Lasiacis sorghoidea* (Desv.) Hitchc. & Chase,
 23399 *Eragrostis hypnoides* (Lam.)
 23401 *Lasiacis sorghoidea* (Desv.) Hitchc. & Chase,
 23402 *Panicum millegrana* Poir in Lam.
 23441 *Leptochloa virgata* (L.) Beauv.
 23449 *Panicum trichoides* Swartz,
 23469 *Ichnanthus nemorosus* Doell. in Mart.,

- 23475 *Panicum polygonatum* Schrad. in Schult.
23509 *Pennisetum peruvianum* Trin. in Linn.
23510 *Gynerium sagittatum* Beauv.
23513 *Pennisetum setosum* (Sw.) Rich. in Pers.
23525 *Lasiacis caxacensis* (Steud.) Hitchc.
23528 *Bambusa*
23534 *Agrostis toluensis* H. B. K.
23535 *Agrostis nana* Delarbie,
23536 *Stipa ibarrensensis* H. B. K.
23573 *Bromus unioloides* H. B. K.
23574 *Stipa trochlearis* Nees & Meyen,
23575 *Stipa ichu* (Ruiz & Pav.) Kunth,
23577 *Poa annua* L.
~~23070 *Chaetochloa geniculata* (Lam.) Millsp. & Chase,~~
23938 *Stipa ibarrensensis* H. B. K.
22582 *Paspalum candidum* (H & B) Kth.
22957 *Paspalum racemosum* Lam.
23076 *Chaetochloa geniculata* (Lam) Millsp. & Chase.

GRASSES FROM ECUADOR.

- ✓ 22112 Pennisetum
- ✓ 22141 Oplismenus burnanii Beauv. Agrost. 54. 168. 1812.
- ✓ 22162 Paspalum racemosum Lam. Illustr. 1: 176. 1791.
- ✓ 22184 Lasiacis sorghoidea (Desv.) Hitchc. & Chase, Contr.
U. S. Nat. Herb. 18: 338. 1917.
- ✓ 22208 Arundinella hispida (Willd.) Kuntze, Rev. Gen. 2: 761. 18911
- ✓ 22221 Hordeum vulgare L. Sp. Pl. 84. 1753.
- ✓ 22292 Probably Chusquea quila Kunth, Rev. Gram. 1: 138. 329. 1829.
- ✓ 22334 Eragrostis contristata ~~(Neesin)~~ Meyen, Reise, 1: 484.
nomen 1834; Act. Acad. Caes. Leop. Carol. Nat. Cur.
19: suppl. 1. 163. 1843.
- ✓ 22372 Pennisetum bambusiforme (Fourne) Hemsl. Biol. Contr. Am.
Bot. 3: 507. 1885.
- ✓ 22381 Cortaderia ruduscula Stapf. in Gard. Chron. III. 22: 396.
1897.
- ✓ 22385 Arundo donax L. Sp. Pl. 81. 1753.
- ✓ 22402 Poa annua L. Sp. Pl. 68. 1753.
- 22404 Bromus unioloides H. B. K. Nov. Gen. & Sp. 1: 151. 1816.
- 22419 Aristida adscensionis Linnaeus, Sp. Pl. 82. 1753.
- ✓ 22435 Gynierium sagittatum Beauv. Agrost. 138. 1812.
- 22436 (Axonopus) Paspalum scoparium Flügge, Monog. 120. 1810.
- 22446 Panicum pulchellum Raddi, Agrost. Bras. 42. 1823.
- ✓ 22472 Polypogon elongatus H. B. K. Nov. Gen. & Sp. 1: 134. 1816.
- ✓ 22473 Bromus pendulinus Sessé in Lag. Gen. & Sp. Nov. 4. 1816.
- ✓ 22496 Polypogon littoralis (With.) Smith, Comp. Fl. Brit. 13. 1800.
- ✓ 22497 ? — *Kuntze*
- 22498 Olyra

- ✓22530 *Pennisetum bambusiforme* (Fourn.) Hensl. Ind. Kew. 2: 458.
1894.
- ✓22539 *Polypogon elongatus* H. B. K. Nov. Gen. & Sp. 1: 134. 1816.
- ✓22540 *Melica laxiflora* Cav. Ic. 5: 48. pl. 473, f. 2. 1799.
- ✓22550 *Muhlenbergia microsperma* (DC.) Kunth, Rev. Gram. 1: 64. 1829.
- ✓22639 *Paspalum humboldtianum* Flügge, Monogr. Pasp. 67. 1810.
- ✓22645 *Paspalum saccharoides* Nees, ex Trin. Spec. Gram. Ic. 1. t.
107. 1827.
- ✓22647 *Andropogon berteronianus* Steudel, & Hochst. ex Steud. Syn.
Pl. Gram. 380. 1854.
- ✓22662 *Agrostis bacillata* Hack. Oesterr. Botan. Zeitsch. 5: 59. 1902.
- 22745 *Poa annua* L. Sp. Pl. 68. 1753.
- 22798 *Eragrostis mexicana* (Lag.) Link, Hort. Berol. 1: 190. 1827.
- 22799 *Stipa ichu* (Ruez & Pav.) Kunth, Rev. Gram. 1: 60. 1829.
- 22886 *Polypogon littoralis* (With.) Smith, Comp. Fl. Brit. 13. 1800.
- 22887 *Aegopogon cenchroides* H. & B. Willd. Sp. Pl. 4: 899. 1806.
- 22890 *Polypogon littoralis* (With.) Smith, Comp. Fl. Brit. 13. 1800.
- ✓22915 *Bromus unioloides* H. B. K. Nov. Gen. & Sp. 1: 151. 1816.
- 22958 *Bromus unioloides* H. B. K. Nov. Gen. & Sp. 1: 151. 1816.
- ✓22994 *Calamagrostis humboldtiana* Steudel, Nom. II. 1: 250. 1840.
- ✓22997 *Cortaderia rudiuscula* Stapf. in Gard. Chron. III. 22; 396.
1897.
- ✓23075 *Polypogon elongatus* H. B. K. Nov. Gen. & Sp. 1: 134. 1816.
- ✓23102 *Cortaderia bifida* Pilger, Eng. Bot. Jahrb. 37: 374. 1906.
- ✓23149 *Chusquea scandens* Kunth, Syn. Pl. Aquin. 1: 254. 1822.
- 23159 *Gnaetochloa geniculata* (Dam.) Miq. & Chase, Field. Columb.
Mus. Pub. Bot. 3: 37. Feb. 1903.
- ✓23201 *Chusquea scandens* Kunth, Syn. Pl. Aquin. 1: 254. 1822.
- ✓23202 *Pennisetum bambusiforme* (Fourn.) Hensl. Ind. Kew. 2: 458. 1894.

- ✓ 23219 *Paspalum candidum* Kunth, Mem. Mus. Par. 2: 68. 1815; H. B. K.
Nov. Gen. et Sp. 1: 87. 1816.
- ✓ 23257 *Isachne arundinacea* Griseb. Fl. Brit. W. Ind. 555. 1864.
- ✓ 23318 *Aegopogon cenchroides* H.&B. Willd. Sp. Pl. 4: 699. 1806.
- 23374 *Lasiacis sorghoidea* (Desv.) Hitchc. & Chase, Contr. U. S.
Nat. Herb. 18: 338. 1917.
- ✓ 23399 *Eragrostis hypnoides* (Lam.) E. S. P. Prel. Cat. N. Y. 69.
1888.
- 23401 *Lasiacis sorghoidea*(Desv.) Hitchc. & Chase, Contr. U. S.
Nat. Herb. 18. 338. 1917.
- 23402 *Panicum millegrana* Poir in Lam. Encycl. Suppl. 4: 278.
1816.
- ✓ 23441 *Leptochloa virgata* (L.) Beauv. Ess. Agrost. 166. 1812.
- ✓ 23449 *Panicum trichoides* Swartz, Prodr. Veg. Ind. Occ. 24. 1788.
- ✓ 23469 *Ichnanthus nemorosus* Doell. in Mart., Fl. Bras. 2²: 289.
1877.
- ✓ 23475 *Panicum polygonatum* Schrad. in Schult. Mart. 2: 256. 1824.
- ✓ 23509 *Pennisetum peruvianum* Trin. in Linn. 10: 295. 1836.
- ✓ 23510 *Gynerium sagittatum* Beauv. Agrost. 138. 1812.
- ✓ 23513 *Pennisetum setosum* (Sw.) Rich. in Pers. Syn. Pl. 1: 72. 1805.
- ✓ 23525 *Lasiacis oaxacensis* (Steud.) Hitchc. Proc. Biol. Soc.
Washington 24: 145. 1911.
- 23528 *Bambusa*
- ✓ 23534 *Agrostis tolucensis* H. B. K. Nov. Gen. & Sp. 1: 135. 1816.
- ✓ 23535 *Agrostis nana* Delarbie, Fl. Auverg. II. 664. 1800.
- ✓ 23536 *Stipa ibarrensensis* H. B. K. Nov. Gen. et Sp. 1: 125. 1816.

- 23573 Bromus unioloides H. B. K. Nov. Gen. & Sp. 1: 151. 1816.
- 23574 Stipa trochlearis Nees. & Meyen, Nov. Act. Acad. Caes.
Leop. Carol. 19: Suppl. 1: 151. 1843.
- 23575 Stipa ichu (Ruiz & Pav.) Kunth, Rev. Gram. 1: 60. 1829.
- 23577 Poa annua L. Sp. Pl. 68. 1753.
- 23676 Chaetochloa geniculata (Dam.) Millsp. & Chase, Field.
Columb. Mus. Pub. B. A. 3: 37. Feb. 1903.
23938. Stipa ibarrensii H. B. K. Nov. Gen. et Sp. 1: 125. 1816.
- 22582 *Paspalum candidum* (H. & B.) Kunth

AIZOACEAE

22351 - *Mesembryanthemum crystallinum* L.

AMARYLLIDACEAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918

- 23502 - *Crinum* sp.
23627 - *Sucharis grandiflora* Planch.
22694 - *Stenomesson* sp.
23153 "
23084 "
23625 - *Eucrosia bicolor* Ker
22573 - *Phaedranassa tricolor* Killip and Rose, n. sp.
22593 - *Eucrosia morleyana* Rose, n. sp.
23623 - *Hymenocallis* (bulbs)
22120 - *Furcraea andina* Trelease
22396 - *Agave vera-cruz*
23393 - " "
22517 - *Bomarea caldasii* (HBK.) Rose
22518 - *Bomarea* sp.
22660 "
22670 - *Bomarea glaucescens* (HBK.) Baker
22708 - *Bomarea uncifolia* Herb?
23024 - *Bomarea* sp.
23096 - *Bomarea uncifolia* Herb.?
23207 - *Bomarea* sp.
23211 - *Bomarea angustifolia* Benth.
24060 - *Bomarea* sp. (mixed with 23211).
24033 - *Bomarea* sp.

ANACARDIACEAE COLLECTED BY DR. J. N. ROSE IN ECUADOR, 1918

23268 - *Mauria heterophylla* HBK.

22654 - *Mauria montana* Rose n. sp.

ARACACEAE

- 22574 - *Xanthosoma helleborifolium* Schott
- 22284 - *Anthurium goitnerianum* Regel
- 23621 - *Pistia stratiotes* L.

BETULACEAE

22855 - *Alnus mirabilis* Spach ?

BIGH NIAGRAE

- 22257 - *Tecoma azaleaeifolia* H. & A.
a) 23443 - *Trochodendron utilis* n. sp. (2)
23356 - *Jacaranda grandis* n. sp.
22612 - *Pithecoctenium echinatum* (Jacq.) Schum.
22567 - *Delostoma integrifolia* Don
22847⁹ - *Delostoma* sp.
22365 - *Delostoma dentatum* Don
22392 - *Delostoma dentatum* Don
22235 - *Delostoma morleyanum* Rose, sp. nov.
✓ 22373 - *Amphilephium greenwoodiana* Rose, sp. nov.

NOTE THE FOLLOWING:

- Amphilephium bangii* (Bang, No. 2222, type)
" *pringlei* (Pringle, No. 2069, type)

23422 - Jacaranda

A valuable timber tree called Aravisco of which
I could get only leaves.

It seems different from my No. 23356

BIXACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918.

22471 - *Bixa orellana* L. (in cultivation, see photo)

BOMBACACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918

- 22457 - *Bombax aquitoreal* n. sp. (also photo 175, 167, 205)
23916 - " " "
23917 " " "

22589 - *Ceiba gigantea* n. sp. (also photo 177)

23455 - *Pachanoa arborea* gen. nov.
23371 - *Pachanoa arborea*

22604 - *Ochroma grandiflora* Rowland, n. sp.

BROMELIACEAE COLLECTED BY J. N. ROSE IN ECUADOR IN 1918.

- 22155 - *Pitcairnia exscapa* Hooker
- 22235 - *Pitcairnia* sp.
- 22424 - *Tillandsia fragrans* Andre
- 22428 - *Pitcairnia* sp.
- 22554 - *Tillandsia barbayana* Wittin.
- 22579 - *Tillandsia erectiflora* Andre
- 22610 ? *Pitcairnia* sp.
- 22617 - *Tillandsia triglochioides* Presl.
- 22801 - Puga
- 22943 - *Dendropogon usneoides* (L) Raf.
- 22954 - Puga
- 23023 - Puga
- 23152 - Puga sp.
- 23210 - Puga
- 23214 - *Pitcairnia* sp.
- 23384 - *Pitcairnia* sp.

CAPRIFOLIACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918

22865 - *Sambucus niger* L. ? - Above the town. Perhaps
introduced.

COCHLOSPERMACEAE COLLECTED IN ECUADOR BY J. N. ROSE, 1918

22465 - *Cochlospermum hibiscoides* Kunth ?

23456 - " " "

COMPOSITAE COLLECTED IN ECUADOR BY J. N. ROSE, 1918.

- 22129 - ~~Staria~~ *Pignonia peruviana* (Griseb.) Robinson
22134
22158 - *Viguiera aurea* (HBK.) Hieron
22160 - *Baccharis trinervis* Pers.
22161 - *Mikania*
Psickellia diffusa (Vahl) Gray
22175 - ~~*Coeleoanthus diffusus* (Vahl.) Kuntze~~
22188 - *Senecio*
22204 - *Cacosmia rugosa* HBK.
22217 - *Gnaphalium purpureum* L.
22315 - *Chrysanthemum parthenium* (L.) Pers.
22325 - *Franseria artemisioides* Willd.
22328 - *Baccharis floribunda* HBK.
22383 - *Taraxacum officinale* Web.
22410 - *Tagetes mandoni* Sch. Bip.
22421 - *Viguiera aurea* (HBK.) Hieron
22440 - *Ageratum*
22564 - *Sonchus oleraceus* L.
22547 - *Siegesbeckia orientalis* L.
22549 - *Bidens pilosa* L.
22561 - *Spilanthes ocyimifolia* (Lam.) A. H. Moore
✓ 22567 - *Perophyllum ruderale* (Jacq.) Cass.
22668 - *Werneria distiche* (HBK.)
22671 - *Hieracium frigidum* Wedd.
22691 - *Tafalla thuyoides* (Lam.) G. Don
22704
22721
22729 - *Bidens humilis* HBK.

- 22742 - *Werneria rigida* HBK.
22747 - *Werneria disticha* HBK.
22751 - *Liabum acaule* (HBK.) DC
22752 - *Bidens humilis* HBK.
22759 - *Baccharis genistelloides* (Lam.) Pers.
22803 - *Baccharis riparia* HBK.
22812 - *Jaegeria hirta* Less.
22820 - *Franseria artemisioides* Willd.
22829 - *Schubria abrotanoides* Roth
22833 - *Philoglossa peruviana* DC
22834 - *Baccharis riparia* HBK
22836 - *Baccharis riparia* HBK
22841 - *Baccharis obtusifolia* HBK
22866 - *Jaegeria hirta* Less.
22881 - *Bidens humilis* HBK
22882 - *Aster exilis* Ell.
22891 - *Baccharis floribunda* HBK
22895 - *Tagetes micrantha* Cav.
22902 - *Aster exilis* Ell.
22911 *Heliopsis canescens* HBK
22918 - *Ageratum*
22946 - *Hypochoeris elata* (Wedd.) Griseb.
23009 - *Aster crocifolius* HBK.
23025
23055
23078 - *Baccharis genistelloides* (Lam.) Pers.
23085
23091 - *Stevia*
23230 - *Stevia*

23284 - *Philoglossa peruviana* DC
23306 - *Bidens pilosa* L.
23367 - *Bidens cynapiifolia* HBK.
23400 - *Eupatorium*
23403 - *Eupatorium*
23410 - *Eupatorium*
23544
23620 *Conyza lyrata* HBK
23825
23830
23852

COMPOSITAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918

- 22171 - *Helianthus hypargyreus* Blake n. sp. type
- 22231 - *H. grandiceps* Blake n. sp. type
- 22568 - *H. hypargyreus* Blake
- 22750 - *Diplastephium pycnophyllum* Blake n. sp. type
- 22998 - *D. macrocephalum* Blake n. sp. type
- 23100 - *D. adenophyllum* Blake n. sp. type
- 23168 - *Tridax oligodonta* Blake
- 23290 - *Steiractinia rosei* Blake n. sp. type
- 23820 - *Perymenium ecuadoricum* Blake n. sp. type
- 23892 - *Tridax oligodonta* Blake n. sp. type

COMPOSITAE COLLECTED BY DR. J. N. ROSE IN ECUADOR, 1918.

- 22212 - *Gnaphalium paniculatum* DC.
22314 - *Silybum marianum* Gaertn.
22320 - *Bidens humilis* HBK.
22358 - *Galinsoga parviflora* Cav.
22422 - *Onoseris salicifolia* HBK.
22646 - *Vernonia arborescens* Sw.
22666 - *Cacosmia rugosa* HBK.
22731 - *Perezia multiflora* (H. & B.) Less.
22808 - *Spilanthus ciliata decumbens* (Poepp.) A. H. Moore
22892 - *Onoseris salicifolia* HBK.
23108 - *Baccharia microcephala* DC.
23135 - *Cacosmia rugosa* HBK.
23146 - *Coreopsis capillacea* HBK.
23192 - *Gnaphalium cheiranthifolium* Lam. ?
23497 - *Vernonia scopioides* Pers.
23563 - *Onoseris hyssopifolia* HBK. (exchar.)
23604 - *Lycoseris trinervis* (G. Don) Blake (exchar.)
23617 - *Isocarpha divaricata* Benth.
23798 - *Franseria artemisioides* Willd.
23799 - *Bidens pilosa* L.
23801 - *Gnaphalium purpureum* L.
23851 - *Onoseris speciosa* HBK.
23857 - *Viguiera aurea* (HBK.) Hieron
23867 - *Viguiera aurea* (HBK.) Hieron
23874 - *Viguiera aurea* (HBK.) Hieron
23887 - *Viguiera aurea* (HBK.) Hieron
23913 - *Onoseris salicifolia* HBK. (

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CORIACEAE COLLECTED BY J. N. ROSE IN ECUADOR IN 1918

22182 - *Coriaria thymilobia* HNK.

CYCHANTHACEAE

23463 - *Carludovica* sp.

23527, - *Carludovica* sp.

CYPERACEAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918.

- 22196 - *Cyperus surinamensis* Rottb.
22415 - *Eleocharis acicularis* (L) R & S
22437 - *Cyperus ferox*. Rich.
22445 - *Tanbristylis subaeca* Vahl
22447 - *Dichromena radicans* C & S
22488 - *Rynchospora locuples* C. B. Clarke
22848 - *Cyperus reflexus* Vahl.
— 22879 - *Scirpus riparius* Presl.
22893 *Eleocharis sulcata* Nees
23012 - *Rynchospora paniculata* Liebn
23077 - *Cyperus*
23193 - *Rynchospora paniculata* Liebn.
23366 - *Scleria bractata* Cav.
— 23377 - *Dichromena cocrata* (L) Hitchc)
23476 - *Kyllinga pusilla* Mistix
— 23826 - *Cyperus*
— 23845 - *Rynchospora polyphylla* Vahl.
— 23936 - *Scirpus riparius* Presl

- 23058 - *Polypodium lanceolatum* L.
- 23099 - *Dicranopteris simplex* (Desv.) Maxon
- 23104 - *Lycopodium complanatum* L. (form)
- 23196 - *Asplenium fragrans* Swartz
- 23197 - *Lycopodium vestitum* Desv.
- 23354 - *Gymnopteris rufa* (L.) Bernh.
- 23382 - *Lycopodium reflexum* Lam.
- 23438 - *Hymenophyllum fucoides* Sw.
- 23466 - *Dicranopteris pectinata* (Willd.) Underw.
- 23551 - *Asplenium monanthes* L.
- 23952 - *Notholaena bonariensis* (Willd.) C. Chr.
- 23953 - *Asplenium resiliens* Kunze
- 23954 - *Pityrogramma tartarea* (Cav.) Maxon
- 23955 - *Polypodium murorum* Hook.
- 23956 - *Asplenium fragrans* Sw.
- 23957 - *Asplenium praemorsum* Sw.
- 23961 - *Polypodium percussum* Cav.
- 23966 - *Pellaea ternifolia* (Cav.) Link
- 23967 - *Cheilanthes myriophylla* Desv.
- 23968 - *Notholaena sinuata* (Swartz) Kaulf.
- 23970 - *Dicranopteris simplex* (Desv.) Maxon
- 23971 - *Dicranopteris simplex* (Desv.) Maxon
- 23972 - *Asplenium praemorsum* Sw.
- 23973 - *Asplenium praemorsum* Sw.

DOMBEYACEAE fam. nov.

COLLECTED BY J. N. ROSE IN ECUADOR IN 1918.

22418 - *Dombeya lappacea* L'Hért

23477 - *Dombeya lappacea* L'Hért

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EBENACEAE

23607 - *Maba psidioides* (HBK) Rose

ERIOCAULONACEAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918

23188 - *Dupatya ensifolia* (H. B. K.) Kuntze

FABACEAE COLLECTED BY J. N. ROSE IN ECUADOR 1918 (cont.)

Medicago lupulina L.

Medicago hispida denticulata (Willd.) Urb.

Medicago sativa L.

- 23584 - *Acacia* sp.
 22428 " "
 23585 " "
 23354 " "
 23452 " "
- 22449 - *Ameslea* sp.
 23524 - " "
 23517 " "
 22643 " "
- 23040 - *Ameslea taxifolia* (Kunth) Rose
 23322 - *Ameslea floribunda* Rose, sp. nov.
 22255 - *Ameslea subnervosa* (Benth.) Rose
 23834 - *Ameslea subnervosa* (Benth.) Rose
 22365 - *Ameslea aculeata* (Spruce) Rose
- 23581 - *Entada polystachya* DC.
- 22148 - *Inga* sp.
 22386 - " "
 23540 " "
 23567 " "
 23860 " "
- 22456 - *Leucaena canescens* Benth.
 23606 - " " "
 22167 - *Leucaena* sp.
- 22462 - *Mimosa acanthaloba* Poit - 23815 same locality
 23815 " " "
 22429 - *Mimosa andina* Benth.
 22789 - *Mimosa andina* Benth.
 23848 - *Mimosa andina* Benth.
 22111 - *Mimosa* sp.
 23043 - " "
 23256 " "
 23416 " "
 23569 " "
- 23602 - *Pithecolobium excelsum* Hort.
- 23587 - *Prosopis* sp.

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FOUQUIERIACEAE

23288 - *Abatia parviflora* Ruiz and Pavon

Abatia parviflora
var. *parviflora* (Ruiz & Pavon) Hitchc.

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MORONIACEAE COLLECTED BY DR. ROSE IN SQUALORA IN 1918.

- 23461 - *Balbegaria guttata* (Poepp. and Endl.) ?
- 22238 - *Heppiolla ulmifolia* (HBK) Banet.
- 23187
~~22128~~ - *Pentadenea p. chanoi* Rose sp. nov.
- (180 Pachano) *Pentadenea paورانtha* (Benth.)
- 23462² - *Tricantha elegans* Rose, sp. nov.
- 22601 - ~~*Tricantha elegans*~~ (one plant).

Strombos

PUTTIFERAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918

- 22237 - *Clusea arborea* Rose n. sp.
— 23070 - *Clusea duca* Benth.
— 23529 - *Clusea* n. sp.
— 23815 - *Mammea americana* L. (Cultivated)
— 23878 - *Clusea duca* Benth.

HYDROPHYLLACEAE

22648 - *Wigandia crispa* (Ruiz and Pavon) HBK.

IRIDEACEAE collected by J. N. Rose in Ecuador, 1918

- 22216 - *Sisyrinchium* sp.
- 22663 - *Orthrosanthus chimborazensis* Baker
- 22847 - *Sisyrinchium chilense* Hooker
- 22924 - *Sisyrinchium chilense* Hook.
- 22925 - *Sisyrinchium* sp.
- 23126
- 23218
- 23911 - *Orthrosanthus chimborazensis* Baker
- 24093 - *Cypella* bulbs (~~specimen mounted for NYBG~~)

LEGUMINOSAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918
(continued)

22474 - *Medicago hispida denticulata*(Willd.) Urban

22809 - *Medicago lupulina* L.

— 23895 - *Medicago sativa* L.

LEMNACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918

22264 - *Lemna minor* L.

LOGANIACEAE

- 22619 - *Buddleia* sp.
23157 - *Desfontainea parvifolia* Don
23203 - *Desfontainea parvifolia* Don
23404 - *Spigelia anthelmia* L.

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LYTHRACEAE

6/

22208 - *Parsonia loxensis* (HBK.) Rose = *Cuphea microphylla*

22220 - *Parsonia loxensis* (HBK.) Rose

22265 - *Parsonia* sp.

22266 a - *Parsonia* sp.

I seem to have two species under this number, neither of which I know.

sent to RB

MELIACEAE

-23424 - Cedrela sp.

-23425 - Cedrela sp.

23571 - Cedrela rosci Blake, sp. n.

- = not at Gray Herbar.

LIST OF ORCHIDACEAE COLLECTED BY DR. ROSE IN 1918.

DETERMINED BY MR. JAMES AMES.

- 22101 - *Catasetum* sp.
- ✓ 22126 - *Epidendrum lindenii* Lindl.
- 22149 - *Zygopetalum* (Aff.)
- 22150 - *Oncidium ornithocephalum* Lindl. Aff.
- 22151 - *Phycosiphon* aff. *P. loddigesii* Lindl.
- 22152 - *Epidendrum lindenii* Lindl.
- 22153 - *Symphyglossum sanguineum* Schetr.
- 22154 - *Bletia purpurea* DC.?
- 22156 - *Maxillaria variabilis* Batem. ex Lindl.
- 22240 - *Lycaste gigantea* Lindl. aff.
- 22242 - *Telipogon* + *Epidendrum* (mixture)
- 22249 - *Elleanthus* sp.
- 22262 - *Oncidium pentadactylon* Lindl.
- 22293 - *Scaphosepalum* sp.
- 22371 - *Oncidium pentadactylon* Lindl.
- 22524 - *Epidendrum paniculatum* R. & P.
- 22525 - *Oncidium macranthum* Lindl.
- 22527 - *Encyclia osmantha* Schetr.
- 22724 - *Oncidium cucullatum* Lindl. ?
- 22725 - *Epidendrum serpens* Lindl.
- 22727 - *Epidendrum serpens* Lindl.
- 22773 - *Odontoglossum pardinum* Lindl.
- 22796 - *Epidendrum lindenii* Lindl.

- 22797 - *Elleanthus*
- 23057 - *Trichoceros parviflorus* HBK.?
- 23063 - *Odontoglossum pardinum* Lindl.
- 23123 - *Gomphichia* sp.
- 23140 - *Miltonia* sp.?
- 23204 - *Epidendrum lindenii* Lindl.
- 23205 - *Telipogon asuayanum* Reichb. f. ?
- 23226 - *Ponthieva montana* Lindl.
- 23238 - *Epidendrum aggregatum* Lindl. ex char.
- 23417 - *Ionopsis utricularioides* Lindl.
- 23436 - *Oncidium pusillum* Reichb. f.
- 23459 - *Maxillaria lepidota* Lindl. aff.
- 23484 - *Oncidium pusillum* Rehb.f.
- 23492 - *Oncidium pusillum* Rehb.f.
- 23554 - *Restrepia antennifera* HBK. aff.
- 23617 - *Epidendrum lindenii* Lindl.
- 23947 - *Sobralia sessilis* Lindl. (probably)

PALMACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918

22606 *Bachtris* sp.

22585 *Phytelephas* sp.

Papaveraceae Collected in Ecuador by J. N. Rose in 1918

22570 - *Bocconia integrifolia* HBK.

22181 - *Argemone ochroleuca* Sweet

PASSIFLORACEAE COLLECTED BY J. N. ROSE IN ECUADOR, 1918

- 22110 - *Passiflora reflexiflora* Cav.
22133 - *Tacsonia manicata* Juss.
22275 - *Passiflora capsularis* L.
22294 *Passiflora suberosa* L.
22343 - *Tacsonia mollissima* HBK.
22672 - *Tacsonia dilatata* n. sp. ined. near *T. hieronymi*
22827 - *Tacsonia mollissima glabrescens* Mast.
22984 - *Passiflora rubra* L.
23129 - *Passiflora involucellata* Harms,
 roseorum
23154 - *Tacsonia* n. sp. ined. near *T. bicoronata* Mast.
 ^
23253 - *Passiflora capsularis* L.
23266 - *Passiflora involucellata* Harms
23286 - *Tacsonia manicata* Juss.
23343 - *Passiflora rubra* L.
23398 - *Passiflora macrocarpa* Mast.
23504 - *Passiflora ligularis* Juss.
23776 - *Tacsonia mollissima* HBK.
23854 - *Passiflora suberosa* L.
23900 - *Passiflora capsularis* L.

Photos No. 71 and 72 - *Tacsonia manicata* Juss. ?

PHORADENDRON AND ITS ALLIES COLLECTED BY DR. ROSE IN ECUADOR, 1918.

- No. 22179 *Phoradendron trisulatum* Trelease
No. 22782 *Dendrophthera azoguensis* Trelease, n. sp.
No. 23142 *Dendrophthera zaragusana* Trelease, n. sp.
No. 23212 *Phoradendron pseudo-angustifolium* Trelease, n. sp.
No. 23213 *Phoradendron roseanum* Trelease, n. sp.
No. 23313 *Dendrophthera hexasticha* (?)
No. 25501 *Phoradendron viscifolium* Trelease

PHYTOLACCACEAE

22607 - *Phytolacca dioica* L.

-23819 - *Phytolacca bogatensis* HBK.

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PLUMBAGINACEAE

23618 - *Plumbago scandens* L.

RHAMNACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918

- 22802 - *Colletia spinosa* Lamour.
23613 - *Gouania* sp.
23937 - *Zizyphus thysiflora* Benth.
22466 - *Zizyphus thysiflora* Benth.

SALICACEAE

23335 - *Salix humboldtiana* Willd.

23308 - *Salix humboldtiana* Willd.

TOVARIACEAE
COLLECTED IN ECUADOR BY J. N. ROSE, 1918.

23519 - *Tovaria pendula* Ruiz and Pavon

UMBELLIFERAE COLLECTED BY J. H. ROSE IN EQUADOR, 1918.

- No. 22961 - *Anethum graveolens*
 22715 - *Airacacia*
 22215 - *Airacacia*
 - 22735 - *Azorella pedunculata* (Spreng.) Willd.
 22537 - *Azorella pedunculata*
 22599 - *Azorella pedunculata*
 22322 - *Azorella pedunculata*
 22388 *Conium maculatum* L.
 22155 - *Coriandrum sativum* L.
 22211 - *Daucus montanus* Willd.
 22501 - *Eryngium humile* Cav.
 22665 - *Eryngium humile* Cav.
 22218 - *Helosciadium ammi* (L.) Britton
 22882 - *Hydrocotyle licayensis* Rose, sp. nov.
 22596 - *Hydrocotyle licayensis* Rose, sp. nov.
 22266 - *Hydrocotyle umbellata* L. ?
 22254 - *Hydrocotyle bonplandii* Rich ?
 22800 *Hydrocotyle bonplandii* Rich ?
 22223 - *Hydrocotyle bonplandii* Rich ?
 22932 - *Hydrocotyle bonplandii* Rich ?
 22170 - *Hydrocotyle humboldtii* Rich ?
 22409 - *Sanicula mexicana* ?

VERBENACEAE

23407 - Valerianodes cayennensis (Vohl) Kuntze

23488 - Vitex gigantea H. B. K.

(Dr. Robinson wants to name the Verbenaceae so that
I have not attempted to name the Verbenas and Lantanas.)

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VITACEAE COLLECTED IN ECUADOR BY J. N. ROSE IN 1918

23902 - *Cissus rhombifolia* Vahl. (living)

22263 - *Cissus sicyoides* L. form

22373 - *Vitis* (cultivated)

Ecuador Composites.

Names wanted at New York.

- 22113 Wedelia *guiera*
- 22129 *Piqueria peruviana* (Gmel.) Robinson
- ✓ 22134 *Wedelia*
- 22171 *Helianthus hypargyreus* Blake, n. sp.
- 22177 Wedelia *(D. ...)*
- 22187 *Galinsoga*
- 22188 *Senecio*
- 22199 Liabum
- 22225 *Eupatorium* *ungeri*
- 22231 *Helianthus grandiceps* Blake, n. sp.
- 22276 Liabum
- 22283 *Lalea*
- 22311 *Senecio*
- 22384 Artemisia
- 22413 Liabum *(D. ...)*
- 22480 *Lalea*
- 22568 *Helianthus hypargyreus* Blake.
- 22583 Liabum *(D. ...)*
- 22656 *Plagiocheilus* *(D. ...)*
- 22676 *(D. ...)*
- 22705 *(D. ...)*
- 22750 *Diplostephium pycnophyllum* Blake, n. sp.
- 22852 Tagetes *(D. ...)*
- 22859 Tagetes *(D. ...)*
- 22870 *Galinsoga*

Ecuador Composites.

- 22884 Hieracium (Not in Gray Herbarium)
- 22914 Liabum
- 22995 Compositae
- 22998 Diplostegium macrocephalum Blake, n. sp.
- ✓ 23025 (Not in Gray Herbarium)
- 23046 Wedelia (Viguiera)
- ✓ 23055 (Not in Gray Herbarium)
- 23092 Compositae
- 23100 Diplostegium adenophyllum Blake, n. sp.
- 23148 Hieracium (Not in Gray Herbarium)
- 23168 Tridax oligodonta Blake
- 23172 Gnaphalium cheiranthifolium Lam.?
- 23222 Liabum (Not in Gray Herbarium)
- 23232 Liabum " " " " "
- 23290 Steiractinia rosei Blake, n. sp.
- 23310 Compositae
- 23391 Liabum (Not in Gray Herbarium)
- ✓ 23544 *Fraxinea*
- 23578 *Utricularia*
- 23599 Wedelia (Compositae)
- 23737 Plagiocheilus (Not in Gray Herbarium)
- 23803 Hieracium (" " " ")
- 23809 ^aBarneidesia? (Compositae)
- 23820 Perymenium ecuadoricum Blake, n. sp.
- 23821 (9?) (Not in Gray Herbarium)

Ecuador Composites.

- 23836 Liabum
 23844 Liabum (Not in Gray - Herb. n. sp.)
 23872 Liabum (" " " ")
 23892 Tridax oligodonta Blake, n. sp.
 23924 Hieracium (Not in Gray - Herb. n. sp.)
 23942 Wedelia? (" " " ")

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SPECIMENS OF RUBIACEAE DETERMINED BY PAUL G. STANDLEY,
FIELD MUSEUM OF NATURAL HISTORY,
(U. S. N. H. set)

Collected in Ecuador by Dr. J. N. Rose.

- 22287. *Spermacoce laevis* Lam.
 - 22431. *Cinchona pubescens* Vahl
 - 22506. *Palicourea fragilior* Wernh.
 - 22507. *Psychotria nudida* Standley (type)
 - 22515. *Palicourea huigrensis* Standl. (type)
 - 22586. *Cinchona pubescens* Vahl
 - o 22771. *Arcytophyllum Jamesoni* Standl. (type)
 - 22830. *Reibunium ciliatum* (R. & P.) Hemsl.
 - o 22863. *Arcytophyllum juniperifolium* (R. & P.) Standl.
 - o 23245. *Psychotria rugulosa* H. B. K.
 - v 23295. *Palicourea stipularis* Benth.
 - v 23299. *Cinchona officinalis* L.
 - 23300. " "
 - 23319. " "
 - o 23428. " *pubescens* Vahl
 - o 23471. *Spermacoce laevis* Lam.
 - o 23931. *Reibunium hirsutum* (R. & P.) Schum.
-
- v 22215. *Castilleja communis* Benth.
 - v 22268. *Hydrocotyle umbellata* L.
 - 22323. *Hydrocotyle bonplandii* Rich.
 - 22485. *Lamourouxia virgata* H.B.K.
 - 22596. *Hydrocotyle licayensis* Rose, ined. (type)
 - o 22698. *Lamourouxia virgata* H.B.K.
 - 22702. *Geranium chilloense* Willd.
 - 22822. *Potamogeton striatus* R. & P.
 - o 22908. *Eriobotrya japonica* (Thunb.) Lindl.
 - v 22996. *Rapanea andina* Mez
 - 23049. *Salvia squalens* H.B.K.
 - v 23170. *Hydrocotyle humboldtii* Rich.
 - v 23234. *Hydrocotyle bonplandii* Rich.
 - o 23261. *Salvia tiliaefolia* Vahl
 - v 23292. " *hirta* H.B.K.
 - 23304. " *squalens* H.B.K.
 - v 23463. *Carludovica plicata* Kl.
 - o 23800. *Hydrocotyle bonplandii* Rich.
 - o 23816. *Achras zapota* L.
 - v 23882. *Hydrocotyle licayensis* Rose, ined.
 - o 23932. *Hydrocotyle bonplandii* Rich.
 - 24034. *Apodanthera biflora* Cogn.

Ecuador.

- ✓ 22408 *Tropaeolum huigrense* Killip (type)
- ✓ 22417 " *chrysanthum* Pl. & Lind. α
- o 22484 *Cleome glandulosa* R. & P.
- ✓ 22512 *Disterigma pentandrum* Blake (type)
- ✓ 22638 *Myrica pubescens* Willd.
- ✓ 23097 *Viburnum triphyllum* Benth.
- o ✓ 23126 *Tofieldia falcata* (R. & P.) Pers.
- ✓ 23385 *Securidaca leiocarpa* Blake (type) α
- ✓ 23218 *Escremis coarctata* (R. & P.) Baker α
- o ✓ 23465 *Tropaeolum papillosum* Hughes
- o 23627 *Eucharis grandiflora* Planch.
- o 23929 *Margyricarpus setosus* R. & P.

Ecuador

- ✓ 22145. *Amaranthus cruentus* L.
- ✓ 22303. *Alternanthera elongata* (Willd.) Standl.
- ✓ 22345. " *paniculata* H.B.K.
- o ✓ 22363. *Amaranthus hybridus* L.
- o ✓ 22401. " *celasioides* H.B.K.
- ✓ 22442. *Alternanthera brasiliana* (L.) Kuntze
- o ✓ 22711. " *paniculata* H.B.K.
- ✓ 22955. " " "
- ✓ 23133. " " "
- ✓ 23405. *Pfaffia iresinoides* (H.B.K.) Spreng.
- ✓ 23514. *Alternanthera elongata* (Willd.) Standl.
- ✓ 23603. *Iresine angustifolia* Euphr.
- ✓ 23619. *Alternanthera pubiflora* (Benth.) Kuntze
- o ✓ 23808. " *paniculata* H.B.K.
- 8/ ✓ 23433. " *elongata* (Willd.) Standl.
- o ✓ 23769. " *paniculata* H.B.K.

✓ 22254. *Begonia acerifolia* H.B.K.

o 22493. " " "

8/ ✓ 22519. *Colignonia rufopilosa* Kuntze

23503. *Gustavia angusta* L.

✓ 23611. *Pisonia macranthocarpa* Donn. Sm.

22476. *Viola arguta* Willd., not *V. scandens*; (det. Becker)
 ✓22507. *Psychotria anomothyrea* Schum. & Sm.
 ✓22730. *Verbena polystachya* H. B. K.
 ○ 22740. " " "
 ○✓22767. *Viola arguta glaberrima* Becker (det. Becker)
 ○✓22768. *Salvia quitensis* Benth.
 ✓22851. *Verbena polystachya* H. B. K.
 ○✓22880. *Chamaesyce orbiculata* (H. B. K.)
 22898. *Anagallis coerulea* Schreb.
 ✓22937. *Chamaesyce orbiculata* (H. B. K.)
 22939. *Verbena polystachya* H. B. K.
 22953. *Salvia phoenicea* H. B. K.
 22966. *Valeriana tomentosa* H. B. K.
 22996. *Rapanea dependens* (R. & P.) Mey.
 ✓23161. *Phyllanthus salviifolius* H. B. K.
 ○✓23331. *Geoffroea superba* H. B. K.
 ✓23355. *Lafcensia acuminata* (R. & P.) DC.
 ○✓23426. *Condaminea corymbosa* (R. & P.) DC.
 ○✓23482. *Lantana camara* L.
 23576. *Rosmarinus officinalis* L.
 ○✓23810. *Dodonaea viscosa* L.
 ○✓23849. *Quamoclit coccinea* (L.) Moench.
 ○✓23894. *Hyptis obtusata* Bth.

Rose, Ecuador.

- ✓ 22585. *Phytelephas aequatorialis* Spruce
 ✓ 22606. *Guilielma speciosa* Mart.

V. OXALIS (cont.)

Rose (Ecuador) (cont.)

- ✓23579. *O. latifolia* H.B.K.
 ○✓23896. *O. pubescens* H.B.K.
 ○✓23933. *O. androsace* R. Knuth, TYPE
 ○23071. *Osteomeles glabrata* H.B.K.
 ✓ 22366. *Delostoma roseum* (Karst. & Tr.) K. Sch
 ✓ 22849. " " " "
 ✓ 22367. " " " "
 23365. *Pavonia ovata* (Presl) Spreng.
 ✓ 23392. *Delostoma roseum* (Karst. & Tr.) K. Sch.
 ✓ 23613. *Gouania tomentosa* Jacq.
 ✓23869. *Castilleja communis* Benth.
 ○ 23915. *Pavonia ovata* (Presl) Spreng.
 ○ 23925. *Osteomeles glabrata* H.B.K.

- Rose: 22592. *Dipladenia urophylla* Hook.
 22600. *Codonanema oblanceolata* Woodson (type)
 22631. ~~Marsdenia~~ *Marsdenia cundurango* Rchb. f.
 23079. *Madevillia equatorialis* Woodson (type)
 23397. *Marsdenia cundurango* Rchb. f.
 23827. *Ibatia quinqueloba* Fourn.

Det. by R. E. Woodson

Rose (Ecuador)

Rubus

22202. *R. adenotrichus* Schlecht. (luxuriant form)
 22342. *R. glaucus* Benth.
 22700. *R. nubigenus* H.B.K.
 22753. *R. glabratus* H.B.K.
 23095. Perhaps sp. nov.; fruit only.
 23106. *R. bogotensis* H.B.K.
 23155. Cf. *R. santarosensis* Kuntze, but leaves coriaceous; perhaps new.
 23208. *R. betonicifolius* Focke
 23252. Aff. *R. mollifrons* Focke
 23353. *R. porphyromallus* Focke
 23457. *R. urticaefolius* Poir.
 23522. *R. boliviensis* Focke
 23548. *R. ~~equatorialis~~* Berger, TYPE. *roseum*
 23552. 23562. *R. adenotrichus* Schlecht.
 23782. *R. glaucus* Benth.

Rose (Ecuador)

Oxalis

22482. *O. subintegra* R. Knuth *not on list*
 22533. *O. carnososa* Mol.?
 22738. *O. parvifolia* DC.
 22948. " "
 23216. *O. latifolia* H.B.K.
 23259. *O. pubescens* H.B.K.
 23498. *O. rhombo-ovata* St. Hil.

Rose (Ecuador)

Saurauja

22377. *S. rhamnifolia* Killip, TYPE.
 23165. *S. tomentosa* (H.B.K.) Spreng.

Rose (Ecuador)

Rubus

22674. *H. taruga-gasso* Gilg (ex char.)

22512. *Disterigma pentandrum* Blake. Type.
 23385. *Securidaca leiocarpa* Blake. Type.

IV. COLLECTIONS OF ROSE IN ECUADOR

- 22185 *Miconia crocea* (Desr.) Naud.
 23379 " *albicans* (Sw.) Triana

Rose (Ecuador)

22139. *P. astragalina* (H.B.K.) Killip
 22790. *P. jamesonii* Macbr.
 22815. *P. nova* (Ulbrich) Macbr.
 22937. *P. astragalina* (H.B.K.) Killip
 23033. *P. killipii* Macbr.
 23303. *P. nova* (Ulbrich) Macbr.
 23350. *P. microphylla* (H.B.K.) Rose
 23545. *P. astragalina* (H.B.K.) Killip

Panicola (Det. Macbride)

Ecuador

Determinations from N.Y.B.G., 14.
(by A.C. Smith unless otherwise noted)

Rose (cont.):

- ✓23081. Gaultheria loxensis Benth.
- ✓23082, part. Gaultheria reticulata HBK.
- ✓23137. Bejaria Mathewsii Field.
- ✓23166. Vallea stipularis Mutis
- ✓23171. Vaccinium polystachyum Benth.
- ✓23174. Bejaria Mathewsii Field. (comp. type at K.)
- o✓23181. Gaultheria reticulata HBK.
- ✓23235. Vallea stipularis Mutis
- ✓23242. Monnina polystachya R. & P.
- ✓23312. Vallea stipularis Mutis
- o✓23317. Gaultheria reticulata HBK.
- o✓23339. Celtis aculeata Sw.
- ✓23430. Ocotea obovata (R. & P.) Mez
- ✓23446. Persea caerulea (R. & P.) Mez (det. O.C. Schmidt)
- ✓23483. Gynandropsis trichopus Benth.
- ✓23503. Gustavia angustifolia Benth. (type loc.) (comp. type at K.)
- ✓23613. Gouania tomentosa Jacq.
- o✓24036. Vallea stipularis Mutis

Rose:

Ecuador

- 22197. Esenbeckia alata (Karst. & Tr.) Tr. & Pl.
- ✓22216. Sisyrinchium iridifolium HBK.
- ✓22305. Buettneria glabrescens Benth.
- ✓22338. Persea gratissima Gaertn.
- ✓22575. Vaccinium floribundum HBK.
- ✓22681. Disterigma empetrifolium (HBK.) Nied.
- ✓22748. Disterigma " "
- ✓22749. Pernettya Pentlandii DC. v. parvifolia (Benth.) Wedd.
- ✓22770. Gaultheria brachybotrys DC. (comp. type at C.)
- ✓22775. Gaultheria tomentosa HBK.
- ✓22903. Berberis pindilicensis Hieron. (comp. type coll. at K.)
- 22906. Lucuma obovata HBK. v. Ruizii DC. (comp. type coll. at P.)
- ✓22974. Gaultheria reticulata HBK.
- ✓22985. " "
- ✓22989. Vaccinium reflexum Hook.f.
- ✓23004. Berberis rigida Hieron.
- ✓23005. Pernettya Pentlandii DC. v. parvifolia (Benth.) Wedd.
- ✓23010. Gaultheria loxensis Benth.
- ✓23015. Pernettya Pentlandii DC. v. parvifolia (Benth.) Wedd.
- ✓23017. Vaccinium dasygynum Blake (type coll.)
- o✓23059. Berberis multiflora Benth. (comp. type at K.)
- o✓23061. Berberis rigida Hieron.

- 22134 *Mutisia*
22704 (Not in Gray Herb. set)
22721 (" " " ")
23025 (" " " ")
23055 (" " " ")
23085 *Mutisia*
23400 *Eupatorium* (Not in Gray Herb. set)
23403 *Eupatorium Vitalbae* DC.
23544 *Mutisia*
23825 (Not in Gray Herb. set)
23830 *Ageratum conyzoides* L.
23852 (Not in Gray Herb. set)

256 SOLONACEAE COLLECTED BY J. N. ROSE IN ECUADOR IN 1918.

- o No. ✓23553 - *Datura aurea* (Lagerh) Safford
- o ✓22828 - *Datura rubella* Safford n. sp.
- o ✓22792 - *Datura candida* (Pers.) Safford
- ✓22965 - *Datura rosei* Safford n. sp.
- ✓22544 - *Datura sanguinea* R. & P.
- o ✓23418 - *Datura mollis* Safford n. sp.
- o ✓22824 - *Datura stramonium* L. (Common purple-flowered species with dehiscent spiny capsules).

COMPOSITAE COLLECTED IN ECUADOR BY J. N. ROSE, 1918.

- ✓23836 - *Liabum igniarium* (HBK.) Less.
- ✓22276 " " " "
- o ✓22119 " " " "

117 SAXIFRAGACEAE COLLECTED IN ECUADOR BY J. N. ROSE, 1918.

- ✓23192 - *Escollonia tortuosa* H. B. K.
- o -22657 - *Escollonia multiflora* Rose n. sp.

ROSE -- SOUTH AMERICA

18512. *Alternanthera halimifolia* (Lam.) Standl.
 18544. " *pubiflora* (Benth.) Kuntze
 18567. " *halimifolia* (Lam.) Standl.
 18622. " *pubiflora* (Benth.) Kuntze
 18704. " *macbridii* Standl.
 18775. " *halimifolia* (Lam.) Standl.
 18800. " *pubiflora* (Benth.) Kuntze
 18803. " " " "
 19071. " *repens* (L.) Kuntze
 19603. " *ficaldea* (L.) Lam.
 19990. *Pfaffia paniculata* (Spreng.) Kuntze
 20732. *Alternanthera brasiliana* (L.) Kuntze
 21621. " *pungens* H.B.K.
 21856. " *crucis* (Moq.) Boldingh

ROSE -- SOUTH AMERICA

- X 18576. *Suaeda foliosa* Moq. x = det. Standley
 X 18588. *Atriplex rotundifolia* Moq.
 X 18590. *Chenopodium petiolare* H.B.K.
 X 18627. *Boerhaavia caribaea* Jacq.
 X 18676. " *tuberosa* Lam.
 18749. *Malesherbia thyrsiflora* R. & P.
 20096. *Cordia taguahyensis* Vell.
 20717. *Hybanthus ipecacuanha* (L.) Taub.
 X 21829. *Torrubia ferruginea* (Kl.) Standl.

SOUTH AMERICAN PLANTS COLLECTED BY DR. J. N. ROSE

Identified at U. S. National Herbarium by E. P. Killip

- 18678 *Lobelia decurrens* Cav. x
 19241 " *polyphylla* H. & A. x
 21675 *Eucharis candida* Flanch. x

J. N. ROSE, SOUTH AMERICA

18984. *Salvia tubiflora* Sm.
 19031. *Citharexylum herrerae* Mansf.
 19044. *Salvia oppositiflora* R. & P.
 19154. *Corrigiola telephiifolia* Pourr.
 19155. *Sicyos bryonifolius* Morris
 19199. *Ammi visnago* L.
 19770. *Encholirion spectabile* Mart. (Det. L. B. Smith)
 19895. *Hohenbergia sellowiana* Mez (Det. L. B. Smith)
 19959. *Momordica charantia* L.
 20033. *Cryptanthus schwackeanus* Mez (Det. L. B. Smith)
 20108. *Aechmea bromeliaefolia* (Rudge) Baker (Det. L. B. Smith)
 20351. *Gurania subumbellata* (Miq.) Cogn.
 20587. *Billbergia distachya* (Vell.) Mez (Det. L. B. Smith)
 21920. *Rauwolfia canescens* L.
 21956. *Russelia juncea* Zucc.

J. N. Rose, South America.

Determined by E. P. Killip unless otherwise noted.

U. S. National Museum, December 1934.

- 18546. *Spartium junceum* L.
- 18760. *Echeveria peruviana* Meyen.
- 18848. *Adesmia miraflorensis* Remy
- 19229. *Puya chilensis* Mol. (Det. L. B. Smith)
- 19365. *Apium laciniatum hispidulum* Wolff (Det. Mathias)
- 19381. *Lotus subpinnatus* Lag.
- 19657. *Mucuna sloanei* Fawc. & Rendle
- 19688. *Sida anomala* St. Hil.
- 19755. *Dioclea grandiflora* Mart.
- 19759. *Erythrina mulungu* Mart.?
- 20009. *Maytemus rigida* Mart.
- 20073. *Thinouia repanda* Radlk.
- 20203. *Davilla rugosa* Poir.
- 20319. *Erythrina reticulata* Presl
- 20324. *Sophora tomentosa* L.
- 20974. *Prosopis strombulifera* (Lam.) Benth.
- 21081. *Lithraea molleoides* (Vell.) Engl.
- 21683. *Xanthosoma belophyllum* (Willd.) Kunth
- 21863. *Phoradendron ovalifolium* Urb.? (not P. granaticola)
- 22165. *Crotalaria sagittalis* L.
- 22168. *Erythaea quitensis* H B.K.
- 22322, 22399, 22736, 23537. *Azorella multifida* ^{ra} ~~glaber~~ Mathias (Det. Mathias)
- 22594. *Erythrina esculenta* Sprague
- 22649. *Vigna vexillata* (L.) Rich.
- 22659. *Erythrina polychaeta* Harms
- 22925. *Sisyrinchium bogotense* H.B.K.
- 23344. *Erythrina esculenta* Sprague
- 23434. " " "
- 23596. *Piscidia carthaginensis* Jacq. (not Ichthyomethia acuminata)
- 23812. *Lonchocarpus macrocarpus* Benth.
- 23855. *Crotalaria incana* L.
- 24060. *Bomarea purpurea* (R. & P.) Herb.

Pachano 50. *Rumex obtusifolius agrestis* (Fr.) Daus. (Det. Rechinger)

Rose

✓ 23124. *Befaria glauca coarctata* (H.B.K.) Mansf. & Sleumer. *det. Sleumer.*

Rose & Russell, Brazil

- 20504. ^{Seneio} *S. stigophlebius* Baker
- 20549. " "
- 20542. *S. ellipticus* DC.

Rose 22620. *Brayulinea densa* (Willd.) Small

COLLECTED IN PERU BY DR. AND MRS. J. N. ROSE.

o 18571. *Peperomia umbilicata*

COLLECTED IN BRAZIL BY DR. ROSE AND P. G. RUSSELL.

e 20208. *Peperomia papillispica*

e 20838. " *reflexa* (sens. lat.)

September 27, 1928.

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J. N. ROSE

U. S. National Museum - February 19, 1934

18666. *Cynanchum eurystephanum* Malme^{lm} (det. Killip)
20795. *Alstroemeria inodora* Herb.
22116. *Hylocereus polyrhizus* (Weber) B. & R.?
22239. *Peperomia sodiroi* C. DC.
22274. *Peperomia margaritaria* Trel. (type)
○ 22336. *Lavatera arborea* L. (det. Morton; corr.)
○ 22395. *Echeveria sprucei* Morr. (det. Walther)
22629. *Piper roseorum* Trel. (type)
○ 22853. *Peperomia congona* D. DC.
23254. *Piper jamesoni pachanori* Trel. (type)
23342. *Hylocereus polyrhizus* (Weber) B. & R.?
23396. " " " " "
23530. *Peperomia chimboana* C. DC.
○ 23531. " *fraseri* C. DC. Trel.
○ 23778. " *villosa*^{villosa} ~~villosa~~ *rosei* Trel. (type)
○ 23901. *Piper jamesoni pachanori* Trel.
24078. *Peperomia rhombico-ovata* Trel.
○ 24086. " " " "

- Rose 18692. *Astragalus unifultus* L'Hér. (Det. Johnston)
18904. *Spergularia pazensis* (Rusby) Rossbach (Det. Rossbach)
19014. *Tillandsia gilliesii* Baker (Det. L.B. Smith)
19023. *Astragalus unifultus* L'Hér. (Det. Johnston)
19162. *Astragalus amatus* Clos (Det. Johnston)
19316. *Spergularia pycnantha* Rossbach (Det. Rossbach)
19696. *Eugenia uniflora* L.
19838. *Cissus simsiana* R. & S.
19908. *Phoradendron stenophyllum* Trel. (Det. Trelease)
19967. *Centrosema virginianum* (L.) Benth.
20126. *Helicteres brevispira* St. Hil.
20196. *Casearia brasiliensis* Eichl. (Det. Sleumer)
20232. *Casearia commersoniana* Camb.
20236. *Eugenia uniflora* L.
20242. *Pitcairnia flammea* Lindl. (Det. L. B. Smith)
20294. *Ouratea parviflora* (DC.) Baill. (Det. Sleumer)
20711. *Marica caerulea* Ker
20724. *Centrosema virginianum* (L.) Benth.
21068. *Buddleja cordobensis* Griseb. (Det. L. B. Smith)
21060. *Buddleja mendozensis* var. *tenuifolia* (Griseb.) Hieron.
(Det. L. B. Smith)
21296. *Lafoensia pacari* St. Hil.
21760. *Ficus coronata* Pittier (Det. P. C. Standley)
21908. *Guettarda caracasana* Standl. (Det. P. C. Standley)
21932. *Spathodea campanulata* Beauv.
21993. *Crescentia cujete* L.
22403. *Spargularia spruciana* Rossbach (Det. Rossbach)
22581. *Pachyrhizus tuberosus* (Lam.) Spreng. ? (Our specimen 1 leaf
and old fruit)
22676. *Lysipona acaulis* H.B.K.
22702. *Geranium crassiusculum* R. Knuth (type)
22776. *Astragalus weberbaueri* Ulbr. (Det. Johnston)
23442. *Licaria ligbosa* (R. & P.) Kosterm. (Det. Kostermans)
23593. *Cucumis anguria* L. (Det. Harms)
23884. *Centrosema pubescens* Benth. (rather than *C. virginianum*)
23902. *Cissus trifoliata* L.
20543. *Lupinus hilarianus* Benth.
21987. *Lonchocarpus dipteroneurus* Pittier
23349. *Aeschynomene platycarpa* Benth.
23414. *Dioclea lehmanni* Diels (*D. elegans* Rose, ined.)
23429. *Guatteria occidentalis* Fries (type)
23889. *Dioclea lehmanni* Diels
23905. *Lupinus roseorum* C. P. Smith (type)

Miscellaneous - 2

Miscellaneous
Rose

- 18875. *Puya raimondii* Harms (Det. L. B. Smith)
- 19770. *Encholirium spectabile* Mart. (Det. L. B. Smith)
- o 20018. *Microtea maypurensis* (Kunth) G. Don
- 20242. *Pitcairnia flammea* Lindl. (Det. L. B. Smith)
- 22823. *Elodea granatensis* H. & B.?
- 23781. *Pyrus communis* L. (Det. Leonard)
- a/ 23941. *Heliconia latispatha* Benth

J. N. Rose, South America

- Smecio*
18908. *S. vulgaris* L.
 18926. *S. iodopappus* Schz. Bip.
 18932. *S. adenophyllus* Walp.
 18940. *S. spinosus* DC.
 18951. *S. adenophyllus* Walp.
 19137. *S. vulgaris* L.
 19187. *S. adenotrichius* DC.
 19193. *S. adenotrichius* DC.
 19237. *S. adenotrichius* DC.
 19362. *S. adenotrichius* DC.
 19368. *S. vulgaris* L.
 19369. *S. vulgaris* L.
 20462. *S. pellucidinervis* Schz. Bip.
 20506. *S. brachycodon* Baker ex.char.
 20559. *S. auritus* Wawra ex.char.
 20571. *S. pellucidinervis* Schz. Bip.
 20604. *S. brasiliensis* Less.
 22758. *S. otophorus* Wedd.
 20760. *S. brasiliensis* Less.
 20963. *S. vulgaris* L.
 ○ 22309. *S. vulgaris* L.
 22311. *S. teretifolius* DC.
 22327. *S. teretifolius* (HBK.) DC.
 ○ 22669. *S. nubigenus* HBK.
 22995. *S. involucratus* (HBK.) DC.
 ○ 23143. *S. laciniatus* HBK.

det. by J. M. Greenman

Rose

22323. *H. bonplandii glabra* Mathias
 23932. *H.* " " "

(det. Mathias)

Hydrocotyle

J. N. Rose

20690. *Hydrocotyle bonariensis* Lam.
 22260. *Anona cherimolia* Mill. (det. Diels)
 23077. *Cyperus niger* R. & P. (too young)
 23239. *Anona cherimolia* Mill. (det. Diels)
 23932. *Hydrocotyle bonplandii* A. Rich.
~~18934. *Mikania trinitaria* DC. (det. Robinson)~~

Rose

19005. *Rumex crispus* L. (det. Rechinger)
 19069. " *cuneifolius* Campd. (det. Rechinger)
 19309. *Aristolochia chilensis* Miers (Det. Schmidt)
 19342. *Caesalpinia brevifolia* (Clos) Benth.
 19748. *Mimosa ophthalmocentra* Mart.
 19769. *Acacia* (*Senegalia*) *glomerosa* Benth.
 19853. *Piptadenia colubrina* (Vell.) Benth.?
 19756. *Piptadenia macrocarpa* Benth.?
 19856. *Cassia* (*Chamaefistula*) *pubibunda* Mart.
 19982. *Aristolochia gigantea* M. & Z. (det. O. C. Schmidt)
 20038. *Chamaecrista pascuorum* (Mart.)
 20257. *Caesalpinia peltophroides* Benth. (det. Rose)
 23488. *Vitex flavens* H.B.K. (not *V. gigantea*; det. Moldenke)
 20553. *Escallonia montevidensis* C. & S.
 20688. *Chamaecrista persoonii* (Collad.) Greene
 21647. *Aloe vera* L.
 21845. *Mimosa polycarpa* Kunth
 21914. *Acacia* (*Senegalia*) *hayesii* Benth. (sens. Pittier)
 22454. *Bauhinia grandiflora* Benth.
 22456, 23606. *Leucaena canescens* Benth.
~~Rose & Rose~~ 22601. *Monopyle sodiroana* Fritsch (det. Morton)
 23040. *Calliandra taxifolia* (Kunth) Benth.
 23517. *Calliandra portoricensis* Benth.
 23540. *Inga insignis* Kunth
 23585. *Acacia* (*poponax*) *occleleacantha* H. & B.
 23588. *Bauhinia grandiflora* Benth.

✓ Rose 23442. *Licaria limbosa*, not *Aerod. acumi*. Det. Kostermans

Rose 23464. *Burmeistera millei* Wimmer

Rose, Ecuador

22148. *Inga spectabilis* (Vahl) Willd.
 22592. *Mandevilla cereola* Woodson
~~23112 *Eriosema peruvianum* Benth. (Perfect match for Mathews 3269 at Kew)~~
 22651. *Mucuna rostrata* Benth.
 23112. *Eriosema peruvianum* Benth. (Perfect match for Mathews 3269 at Kew)
 23885. *Coursetia harmsiana* Ulb.

Rose, Ecuador

- ✓ 23113. *Oreopanax jelskii* Szysz. (aff.)
 ✓ 23240. " *rosei* Harms
 ✓ 23386. " "

Rose 23806 *giganteus* (Cav.) G. Don
Siphocampylus 23191 *divaricatus* Benth. var. *Roseanus* Wim. ✓
 22714 *giganteus* (Cav.) G. Don

Rose, etc. 23173 *ferrugineus* (L.f.) Gl. var. *vulgatus* Wim. ✓
Centropogon 22490 *quitensis* Wim. ✓
 23945 *occultus* Gl.

Labelia Rose 19241 *polyphylla* Hook. & Arn. var. *angustifolia* A. DC.

J. N. Rose

Venezuela?

19625. *Averrhoa carambola* L.
20032. *Zizyphus cotinifolia* Reiss.
20525. *Gaultheria ferruginea* C. & S.
21036. *Adesmia muricata* DC.
21075. *Croton argentinus* Muell. Arg.

Rose, Venezuela

22007. *Cocos nucifera* L.

J. N. Rose (South America)

18849. *Pilostyles berterii* Guill., on *Adesmia miraflorensis* Remy
20005. *Metternickia princeps* Mik.
20036. *Hyptis leucocephala* Mart.
20079. *Oxypetalum appendiculatum* M. & Z.
20221. *Brunfelsia ramosissima* Benth.
20296. *Covillea nitida* (Cav.)
20968. " *divaricata* (Cav.)
20984. " " "
20985. " *cuneifolia* (Cav.)
20993. " " "
20995. " *divaricata* (Cav.)
21024. " " "
21645. *Metastelma campanulatum* Dcne.
21739. *Kohleria hirsuta* (Regel)
21761. *Jacquemontia pentantha* (Jacq.) G. Don
21912. *Aspidosperma crispa* (H. B. K.) Blake
21988. *Jacquemontia canescens* (H. B. K.) Benth.

Rose. 19845. *Mascagnia psilophylla* (Juss.) Griseb.

" 19965. " *rigida coriacea* (Griseb.) Ndz.

Det. C. V. ...

ROSE

(Labiatae by Epling; other identifications as noted on Pennell-Killip List)

20237. *Paullinia weinmanniaefolia* Mart.
 20335. *Phoradendron rosei* Trel. (type)
 20358. *Urvillea glabra* Camb.
 21700. *Serjania atrolineata* Sauv. & Wr.
 ✓22246. *Croton callicarpaefolius* Vahl (Comp. at Berlin)
 ✓22248. *Minthostachys mollis* (H. B. K.) Epl.
 ✓22307. *Podocarpus glomeratus* Don (Comp. at Berlin)
 ✓22397. *Polylepis incana* H. B. K. (Comp. with type at Berlin)
 ✓22405. *Minthostachys mollis* (H. B. K.) Epl.
 ✓22455. *Serjania ampelopsis* Pl. & Lind. (Comp. with Eggers 15174
 so det. Radlk. at Berlin)
 ✓22536. *Minthostachys mollis* (H. B. K.) Epl.
 ✓22566. *Hyptis sidaefolia* (L' Hér.) Briq.
 ✓22591. *Aphelandra tetragona* (Vahl) Nees
 ✓22613. *Zamia lindenii* Regel (Comp. with Lehmann 5292 at Berlin)
 ✓22619. *Buddleia spicata* R. & P. (Comp. with type at Berlin)
 ✓22653. *Buettneria ovata* Lam.?
 ✓22719. *Hesperomeles obtusifolia* Lindl. (Comp. at Berlin)
 ✓22722. *Polylepis brachyphylla* Bitter (Comp. with type at Berlin)
 ✓22733. *Polylepis brachyphylla* Bitter
 ✓22810. *Jussiaea brachycarpa* Micheli (vel aff.; fruit not developed)
 ✓22819. *Stachys debilis* H. B. K.
 ✓22938. *Satureia mutabilis* Epl.
 ✓22950. *Hesperomeles ferruginea* (Pers.) Benth.
 ✓23028. " *pernettyoides* Wedd.
 ✓23032. *Hesperomeles glabrata* (H. B. K.) Roem. (form)
 ✓23038. *Hyptis obtusata* Benth.
 23053. *Croton pellitus* H. B. K. (type loc., comp. with type at Berlin)
 ✓23068. *Bepechinia paniculata* (H. B. K.) Epl.
 23095. *Rubus porphyromallus* Focke?
 ✓23131. *Hyptis obtusata* Benth.
 23274. *Hyptis obtusata* Benth.
 ✓23277. *Bepechinia mutica* (Benth.) Epl.
 ✓23333. *Croton suborbiculatus* Killip (type)
 ✓23419. *Mauria birringo* Tuck. (Comp. at Berlin)
 23518. *Heliocarpus popayanensis* H. B. K.
 ✓23521. *Begonia serotina* A. DC. (Comp. with type at Kew)
 ✓23527. *Carludovica palmata* R. & P.
 ✓23546. *Buettneria ovata* Lam.
 ✓23789. *Polylepis lehmannii* Hieron.
 ✓23792. *Polylepis brachyphylla* Bitter
 ✓23841. *Podocarpus coriaceus* L. C. Rich. (Comp. at Berlin)
 ✓23842. *Begonia serotina* A. DC.
 ✓23890. *Hyptis purdiaea* Benth.

Rose 18720. *J. suffruticosa* var. *macropoda* (Presl) Munz

✓Rose, Pachano & Rose 23810. *J. uruguensis* Camb. (not *J. brachycarpa*)

Pachano 117. *Astragalus sprucei* Johnst. (Det. Johnston)

Pachano 178. *Brachyotum radula* Trel.

"203. *Peperomia perhispidula* Trel.

22178. *Sida veronicifolia* Lam.

22414. *Sida oligandra* K. Sch.

23345. *Bastardia bivalvis* Kth.

23439. *Sida veronicifolia* Lam.

23565. *Pavonia spinifex* Cav.

Rose

18971. *Tarasa rahmeri* Phil.

(Det. Robinson)

19421. *Cristaria spinolae* Gay.

22176. *Sida ricinoides* L' Her.

Rose

Monnina

22213. *M. chanduyensis* Chod. (Det. Chodat)

(Det. Chodat)

22302. *M. pilosa* H. B. K.

" A.C. Smith

22347. *M. crotalarioides* DC. (Det. Chodat)

Rose

22423. *Iochroma cyaneum* (Lindl.) Green

22555. *Acnistus aggregatus* (R. & P.) Miers

Pachano 250. *Iochroma fuchsioides* (H.B.K.) Miers

Rose

Solanum

A.C. V. Walter

18561. *tafallae* Macbr.

18583. *tafallae* Macbr.

18839. *calycognaphalum* R. & P.

19004. *phyllanthum* Cav.

- 22136. *muricatum* Ait.

Siphocampylus Rose 23383 *griseus* (Gl.) Wim.

Those marked - sent to Gray Herb.

11 Aug. 1922.

58 sp.

Explorations in South America.

^{offspring}
Collection from Dr. J. N. Rose.

52 spec.

For Harvard.

- ✓ 19615 *Puccinia heterospora* B. & C.
- ✓ 20021. *Puccinia heterospora* B. & C.
- ✓ 20152. *Albugo ipomoeae-panduranae* (Schw.) Swingle
- ✓ 20314. *Uromyces leptodermus* Syd.
- ✓ 20473. *Coleosporium senecionis* (Pers.) Fr.
- ✓ 20691. *Puccinia hydrocotyles* (Link) Cke.
- ✓ 20733. *Puccinia macropoda* Speg.
- ✓ 20757. *Puccinia hydrocotyles* (Link) Cke.
- ✓ 20891. *Puccinia hydrocotyles* (Link) Cke. - ✓ 21083 *Puccinia hydrocotyles* (Link) Cke
- ✓ 20895. *Puccinia arechavaletae* Speg.
- ✓ 21176 *Albugo ipomoeae-panduranae* (Schw.) Swingle
- ✓ 21179. *Puccinia synedrella* P. Henn.
- ✓ 21646. *Puccinia obliqua* B. & C. - 21676 *Puccinia roseanae* Arth
- ✓ 21743. *Puccinia lateritia* B. & C.
- ✓ 21800. *Puccinia oxalidis* (Lev.) Diet. & Ell.
- ✓ 22066. *Uromyces proeminens* (DC.) Pass.
- ✓ 22073. *Uromyces proeminens* (DC.) Pass.
- ✓ 22103. *Coleosporium ipomoeae* (Schw.) Burr.
- ✓ 22107. *Puccinia heterospora* B. & C. - 22123 *Puccinia arechavaletae* Speg
- ✓ 22109. *Puccinia heterospora* B. & C.
- ✓ 22124. *Coleosporium domingensis* (Berk.) Arth.
- ✓ 22173. *Puccinia arechavaletae* Speg.
- ✓ 22190. *Uromyces iresines* Lagerh.
- ✓ 22195. *Coleosporium ipomoeae* (Schw) Burr.
- ✓ 22203. *Spirechina loeseneriana* (P. Henn.) Arth.
- ✓ 22200. *Chrysocelis lupini* Lagerh. & Diet.
- ✓ 22301. *Puccinia psidii* Wint.
- ✓ 22318. *Chrysocelis lupini* Lagerh. & Diet.
- ✓ 22326. *Puccinia splendens* Vize.
- ✓ 22329. *Puccinia caeomatiformis* Lagerh.
- ✓ 22331. *Tranzscheliae punctata* (Pers.) Arth. - 22346 *Puccinia macropoda* Speg
- ✓ 22337. *Puccinia sherardiana* Korn. - 22537 *Puccinia medellinensis* Wray
- ✓ 22360. *Puccinia sherardiana* Korn.
- ✓ 22633. *Uromyces bidenticola* (P. Henn.) Arth.
- ✓ 22814. *Puccinia hydrocotyles* (Link) Cke. - 22553 *Uromyces fateri* (Pers) Berk.
- ✓ 22821. *Puccinia splendens* Vize.
- ✓ 22835. *Puccinia caeomatiformis* Lagerh.
- ✓ 22837. *Puccinia caeomatiformis* Lagerh.
- ✓ 22863. *Puccinia hydrocotyles* (Link) Cke.
- ✓ 22864. *Uromyces flectans* Lagerh.
- ✓ 22909. *Puccinia sherardiana* Korn.
- ✓ 22970. *Phragmidium disciflorum* (Tode) James
- ✓ 23248. *Puccinia arechavaletae* Speg.
- ✓ 23250. *Coleosporium ipomoeae* (Schw.) Burr.
- ✓ 23298. *Chrysocelis lupini* Lagerh. & Diet.
- ✓ 23381. *Puccinia heterospora* B. & C.
- ✓ 23412. *Puccinia heterospora* B. & C.
- ✓ 23515. *Albugo bliti* (Biv.)? Kze.

- ✓ 23948. *Phyllachora puncta* (Schw.) Arton
- ✓ 23951. *Puccinia caeomatiformis* Lagerh.
- ✓ 23981. *Albugo platensis* (Speg.) Swingle
- ✓ 23983. *Cerotelium gossypi* (Lagerh.) Arth.

J. N. ROSE (SOUTH AMERICAN EXPEDITIONS)

18616. *Commelina gracilis* R. & P.
 18643. *Jatropha macrantha* Muell. Arg.
 18664. *Balbisia weberbaueri* R. Knuth
 18705. *Daucus montanus* Willd.
 18746. *Pitcairnia ferruginea* R. & P.?
 18749. *Malsherbia scarlatiflora* Gilg
 18751. *Jatropha basiacantha* Pax & Hoffm.
 18796. *Jatropha macrantha* Muell. Arg.
 18854. *Pitcairnia ferruginea* R. & P.?
 18876. *Azorella yareta* Hauman
 18946. *Azorella yareta* Hauman
 19037. *Pitcairnia ferruginea* R. & P. ?
 19075. *Eremocharis triradiata* (Wolff) Johnst.
 19774. *Tillandsia streptocarpa* Baker (Det. L. B. Smith)
 19810. *Jatropha mutabilis* (Pohl) Baill.
 19851. *Jatropha obtusifolia* (Pohl) Muell. Arg.
 19910. *Manihot glaziovii* Muell. Arg.
 19960. *Guettarda angelica* Mart.
 20162. *Psychotria leiocarpa* C. & G.
 20333. *Ucrista longifolia* Spreng.
 21681. *Machaonia ottonis* (Schum.) Urb.
 21693. *Jacquemontia nodiflora* (Desv.) G. Don
 21825. *Coffea arabica* L.
 ✓ 22135. *Coriandrum sativum* L.
 22142. *Caesalpinia pectinata* Cav.
 ✓ 22211. *Daucus montanus* Willd.
 ✓ 22218. *Cyclosporum leptophyllum*
 ✓ 22230. *Fuchsia apetala* R. & P.
 ✓ 22322. *Azorella pedunculata* (Spreng.) Willd.
 ✓ 22354. *Carica candamarcensis* Hook. f.
 ○ ✓ 22373. *Vitis tiliacifolia* H. & B.
 ✓ 22388. *Conium maculatum* L.
 ✓ 22399. *Azorella pedunculata* (Spreng.) Willd.
 ✓ 22415. *Eleocharis nervata* Svenson
 ✓ 22418. *Phaseolus lunatus* L.
 - 22459. *Tetrapteris jamesonii* Tencz.
 ✓ 22471. *Bixa orellana* L.
 ✓ 22489. *Sanicula liberta* C. & S.
 ✓ 22501. *Eryngium moritzii* Wolff.
 ✓ 22528. *Plumiera rubra* L.
 - 22556. *Haemadictyon pallidum* DC.
 ○ ✓ 22592. *Diplademia* sp.
 ✓ 22665. *Eryngium moritzii* Wolff
 ○ ✓ 22744. *Veronica humifusa* Dicks. (Det. Pennell)
 ○ ✓ 22736. *Azorella pedunculata* (Spreng.) Willd.
 ✓ 22778. *Puya mollis*
 ✓ 22791. *Tibouchina laxa* (Desv.) Cogn.
 ○ ✓ 22896. *Ruta chalapensis* L.
 ○ ✓ 22961. *Anethum graveolens* L.

-r = spec. at ... but not labeled

- ✓ 23065. *Tibouchina laxa* (Desv.) Cogn.
- ✓ 23079. *Mandevilla* sp.
- ✓ 23195. *Viola arguta* H. B. K.
- ✓ 23275. *Miconia lutescens* (Bonpl.) DC.
- ✓ 23309. *Mandevilla brachyloba* Muell. Arg.!
- ✓ 23324. *Prestonia muelleri* Rusby
- ✓ 23341. *Jatropha nudicaulis* Benth.
- ✓ 23367. *Cosmos caudatus* H. B. K. (not *Bidens cynapiifolium*)
- ✓ 23453. *Prockia crucis* L.
- ✓ 23486. *Plumiera rubra* L.
- ✓ 23537. *Azorella pedunculata* (Spreng.) Willd.
- ✓ 23602. *Pithecolobium excelsum* Mart.
- ✓ 23612. *Stermadenia obovata mollis* (Bth.) Woodson
- ✓ 23824. *Meibomia mollicula* (H. B. K.) Kuntze
- ✓ 23884. *Bradburya virginiana* (L.) Kuntze

Plants collected in Mexico by
Dr. M. Rose, without numbers

- > *Zinnia linearis*, Benth.
- *Zinnia Greggii*, Rob. & Gumm.
- *Liabrum cervinum*, Rob.
- ✓ *Lagascea glandulosa*, Fern.
- *Cosmas scabioides*, HBK.
- *Perityle microglossa*, Benth. 20

Collections made by Dr. Rose.
Antofagasta, Chile
in 1914

- 19410 Echenocactus marginatus
19411 Eulychnia ruginervis
19412 Dinemandra ecoides Juss. — OK.
There is a specimen of this in the J. H.
x 19413 ~~_____~~ Chimaphila (1914)
≡ 19414 Ephedra — May I borrow this?
19415 ~~Ap. Spha~~ Sphaerostema Desv. — OK.
19416 Nolana — I have this sheet here on loan.
x 19417 ~~_____~~ Malva
≡ 19418 " Polyachyris fuscus " — I am describing a new species
from here. May I have this number on loan?
19419 Solanum brachyantherum Ph. !
There is a specimen of this number in the J. H.
19420 Nolana. — I have this sheet here on loan.
x 19421 ~~_____~~ Malva
≡ 19422 — This number was omitted in the list sent me. Lichen
≡ 19423 Opuntia — Could this be looked up in the herbarium
to see if Dr. Rose later determined it as either
O. sphaerica Forst or as O. tunicata Lul. & Otto.?
≡ 19424 " Viola asterias " ^{det. as O. sphaerica} — This is probably V. Werdermannii
May I borrow the specimen?

~~19425~~ } omitted in the list sent me.
~~19426~~ } algae

19427 *Solinia perenne* L. OK.

In the last exchange received at the J.H. was a specimen of *Frankenia farinosa* Remy collected by Dr. Rose at Antofagasta. Unfortunately the number was not put on the label. Could this be found and supplied me?

Iquique, no. Chile

19444 *Eulychia iquiquensis*

~~19445~~ - not number not given in the list sent me.

~~19446~~ Perityle

~~19447~~

19448 *Nolanac*. - I have this sheet here on loan.

~~19449~~ flusky

~~19450~~ *Dondia foliosa* - I would like to borrow this.

The numbers marked with red (X) are those in which I am interested and desire the loan of if they can be found ^{in Nat. Herb.} - some will probably found in Calandrinia.

J.M.J. 29

Please return this list

FIELD LABEL

GRAY HERBARIUM OF HARVARD UNIVERSITY
CAMBRIDGE, MASS.

Trucepa andina Trelase

No. 22120 Expedition
Country Ecuador Prov.
Locality At Huigra
Collector J. N. Rose Alt. 4000 & more
Date August 19 18 Height of pl.
Diam. of trunk

Habitat (nature of station)

Underscore which: herb (annual, biennial, perennial, climb-
ing), undershrub, shrub, liana, tree, epiphyte, parasite.

Flower-color (state parts colored) greenish

Fruit (nature, odor, taste, etc.)

Local name : Cabulla = Cabuya (best)

Economic uses fiber

Other notes

FIELD LABEL

GRAY HERBARIUM OF HARVARD UNIVERSITY
CAMBRIDGE, MASS.

No. 22397 Expedition

Country Ecuador Prov.

Locality

Collector Rose, J. N. Alt.

Date August 19 18 Height of pl.

Diam. of trunk

Habitat (nature of station)

Underscore which: herb (annual, biennial, perennial, climbing), undershrub, shrub, liana, tree, epiphyte, parasite.

Flower-color (state parts colored)

Fruit (nature, odor, taste, etc.)

Local name Yogual or Maeasta

Economic uses For lumber in Ambato.

Other notes

FIELD LABEL

GRAY HERBARIUM OF HARVARD UNIVERSITY
CAMBRIDGE, MASS.

No. 22606 Expedition
Country Ecuador Prov.
Locality Ventura (Home of W. D. Wood)
Collector J. N. Rose Alt.
Date Sept. 8 1918 Height of pl. 30 to 40ft
Diam. of trunk 3 to 6 in

Habitat (nature of station)

Underscore which: herb (annual, biennial, perennial, climbing), undershrub, shrub, liana, tree, epiphyte, parasite.

Flower-color (state parts colored)

Fruit (nature, odor, taste, etc.) red

Local name Chonta

Economic uses Make palm butter out of
fruits.

Other notes

FIELD LABEL

GRAY HERBARIUM OF HARVARD UNIVERSITY
CAMBRIDGE, MASS.

No. 22206 Expedition

Country Ecuador Prov.

Locality Huigra

Collector J. N. Rose Alt.

Date Sept. 13 1918 Height of pl. 2 meters
or less
Diam. of trunk

Habitat (nature of station) swampy places

Underscore which: herb (annual, biennial, perennial, climbing); undershrub, shrub, liana, tree, epiphyte, parasite.

Flower-color (state parts colored) white & tubular
large

Fruit (nature, odor, taste, etc.)

Local name "Achetillo"

Economic uses For coloring meats in the
way Achote is used.

Other notes Lower part of stems, roots are
orange.