To Subscribers to the Klug Putumayo collection:

Mr. Klug collected 507 numbers (1601-2107) at three general localities, viz:

1601-1655. Lower Putumayo River, on both sides of the boundary between Colombia and Peru.

1656-1971. Umbria, Colombia, near the base of the Andes, in the watershed between the Putumayo and Caquetá rivers.

1972-2107. Florida, Peru, lower Putumayo, at mouth of Rio Zubineta.

The collection is in 10 sets, 9 having been taken by the following institutions: Arnold Arboretum (A), (woody plants only), Berlin Botanisches Museum (B), British Museum (BM), Field Museum (F), Gray Herbarium (G), University of Michigan (M), Missouri Botanical Garden (Mo), U. S. National Museum (N), New York Botanical Garden (Y).

The sets are nearly uniform, the few missing numbers being mainly orchids, of which rarely more than 2 sets were collected under a number. About five of the numbers are represented by foliage specimens only, but as these plants were in common usage by the natives as medicinal plants, and may have commercial value, they have been included.

Because of special studies being made of the Colombian flora at the U. S. National Museum and the New York Botanical Garden and of the Peruvian flora at the Field Museum, the greater part of the identification work will doubtless be done at those institutions. The cooperation of specialists at all the subscribing institutions is very much desired. Lists of determinations should be sent me as promptly as possible, and from time to time I will forward lists to the subscribers. A report on the Colombian portion of the collection will be published by Mr. A. C. Smith, of the New York Botanical Garden, and myself.

In order that duplication of work may be avoided there follows a list of groups prominently represented in the collection, in which active work is being

dense and for which it is believed identifications will be forthcoming promptly. However, it should be understood that none of these groups, nor any others, are pre-empted. It would seem advisable to let me have any suggestions for the alteration of this list. I realize there are doubtless other groups receiving special attention at the subscribing institutions, and I would appreciate being advised of such.

Pteridophyta (except Selaginella) - N	Malpighiaceae - N
Selaginella - BM	Flacourtiaceae - Y
Gramineae - H	Combretaceae - BM
Cyperaceae - B	Myrtaceae - B
Araceae - B	Melastomaceae - Y
Dioscoreaceae - B	Apocynaceae - Mo
Piperaceae - Trelease	Solanaceae - N
Loranthaceae - Y	Cesneriaceae - N
Aristolochiaceae - B	Bignoniaceae - B
Nyctaginaceae - F	Acanthaceae - N
Menispermaceae - Y	Rubiaceae - F
Anonaceae - B	Cucurbitaceae - B
Monimiaceae - Y	Eupatoriaceae - G
Lauraceae - Y	

Mr. Klug is very desirous of making collections about Tarapato, Chachapoyas, and Moyabamba, Peru, all historic botanical localities, and I will gladly advise him of any orders for these sets.

Ellsworth P. Killip,
U. S. National Museum,
Washington, D. C., Sept. 12, 1931

Plants of Putumayo, Colombia, and Peru, collected by G. Klug.
(Report no. 1, February 1932)

Identifications by the following: W. R. Maxon (M), H. A. Gleason (G),
P. C. Standley (S), E. P. Killip (K), A. C. Smith (A. C. S.),
E. C. Leonard (L)

-
- ✓1603. *Asplenium auritum* Sw. (M)
 - ✓1604. *Polypodium persicariaefolium* Schrad. (M)
 - ✓1605. *Lacistema aggregatum* (Berg.) Rusby (S)
 - ✓1607. *Heisteria cyanocarpa* Poepp. & Endl. (S)
 - ✓1608. *Randia killipii* Standl. (S)
 - ✓1610. *Pentagonia spathicalyx* Schum. (S)
 - ✓1615. *Sphenoclea zeylanica* Gaertn. (S)
 - ✓1618. *Mikania psilostachya* DC. (S)
 - ✓1622. *Cassia macrophylla* Kunth (S)
 - ✓1623. *Palicourea crocea* (Sw.) R. & S. (S)
 - ✓1625. *Psychotria tessmannii* Standl. (S)
 - ✓1626. *Warscewiczia coccinea* (Vahl) Kl. (S)
 - ✓1627. *Isertia hypoleuca* Benth. (S)
 - ✓1628. *Palicourea lasiantha* Krause (S)
 - ✓1629. *Eupatorium marginatum* Poepp. (S)
 - ✓1630. *Lantana camara* L. (S)
 - ✓1633. *Mappia ampla* (Miers) Engl. (A. C. S.)
 - ✓1634. *Cassia multijuga* Rich. (S)
 - ✓1637. *Lippia alba* (Mill.) N. E. Brown (S)
 - ✓1638. *Commelina longicaulis* Jacq. (S)
 - ✓1639. *Urera caracasana* (Jacq.) Griseb. (K)
 - ✓1643. *Borreria laevis* (Lam.) Griseb. (S)
 - ✓1644. *Desmodium adscendens* (Sw.) DC. (S)
 - ✓1645. *Hamelia patens* Jacq. (S)
 - ✓1646. *Quamoclit pennata* (Desr.) Bojer (S)
 - ✓1647. *Microtea debilis* Sw. (S)
 - ✓1649. *Phaseolus peduncularis* H.B.K. (S)
 - ✓1650. *Melia azedarach* L. (S)
 - ✓1651. *Acacia polyphylla* DC. (S)
 - ✓1653. *Sanchezia silvestris* Leonard (L)
 - ✓1655. *Cissus sicyoides* L. (S)
 - ✓1657. *Chamissoa macrocarpa* H.B.K. (S)
 - ✓1661. *Begonia glabra* Aubl. (K)
 - ✓1663. *Spathiphyllum cannifolium* (Dryand) Schott (S)
 - ✓1671. *Cephaelis williamsii* Standl. (S)
 - ✓1672. *Filea poeppigiana* Wedd. (K)
 - ✓1673. *Faramea glandulosa* Poepp. & Endl. (S)
 - ✓1677. *Cephaelis tomentosa* (Aubl.) Vahl (S)
 - ✓1678. *Psammisia guyanensis* Klotzsch. (A. C. S.)
 - ✓1679. *Tournefortia obscura* DC. (K)
 - ✓1680. " *ulei* Vaupel (K)
 - ✓1683. *Rapatea spectabilis* Pilger (S)
 - 1681. *Passiflora auriculata* HBK.
det. S.P.K.

Klug--2.

- ✓1684. *Iresine celosia* L. (S)
- ✓1697. *Miconia triangularis* Gleason (type)
- ✓1700. *Psychotria marginata* Sw. (S)
- ✓1703. " *rugescens* H. & B. (S)
- ✓1705. *Lycopodium cernuum* L. (M)
- ✓1707. *Dicranopteris bifida* (Willd.) Maxon (M)
- ✓1708. " *pectinata* (Willd.) Underw. (M)
- ✓1710. *Mendoncia glomerulata* Leonard (type)
- ✓1715. *Psychotria ernesti* Krause (S)
- ✓1717. *Faramea quinqueflora* Poepp. & Endl. (S)
- ✓1718. *Cephaelis umbriana* Standl. sp. nov.
- ✓1719. *Clidemia epiphytica* (Triana) Cogn. (G)
- ✓1721. *Xiphidium caeruleum* Aubl. (S)
- ✓1722. *Calopogonium mucunoides* Desv. (K)
- ✓1727. *Gonzalagunia bunchosioides* Standl. (S)
- ✓1729. *Tectaria martinicensis* (Spreng.) Copel. (M)
- ✓1731. *Dichromena radicans* Schl. & Cham. (S)
- ✓1735. *Psychotria alba* R. & P. (S)
- ✓1736. *Selaginella haematodes* (Kunze) Spring (M)
- ✓1739. *Mycosyrinx cissi* (S)
- ✓1741. *Urera caracasana* (Jacq.) Griseb. (K)
- ✓1748. *Graffenrieda moritziana* Triana (G)
- ✓1754. *Calopogonium caeruleum* (Benth.) Hemsl. (K)
- ✓1756. *Iresine spiculigera* Seub. (S)
- ✓1759. *Leandra caquetensis* Gleason (G)
- ✓1762. *Palicourea ovalifolia* (Rusby) Standl. (S)
- ✓1766. *Tetrathylacium macrophyllum* P. & E. (K)
- ✓1769. *Cephaelis williamsii* Standl. (S)
- ✓1774. *Floscopa robusta* (Seub.) C. B. Clarke (S)
- ✓1775. *Polypodium ciliatum* Willd. (M)
- ✓1780. *Clidemia epiphytica* (Triana) Cogn. (G)
- ✓1782. *Sabicea reflexa* Standl. sp. nov.
- ✓1784. *Clidemia tiliaefolia* DC. (G)
- ✓1789. *Gurania spinulosa* (Poepp. & Endl.) Cogn. (K)
- ✓1790. *Miconia triangularis* Gleason (G)
- ✓1794. " *macrophylla* (Don) Triana (G)
- ✓1795. *Ixora escalerae* Standl. (S)
- ✓1803. *Clidemia umbonata* DC. (G)
- ✓1804. *Dolichodelphys chlorocrater* Schum. (S)
- ✓1808. *Trichomanes elegans* Rich. (M)
- ✓1811. " *diversifrons* (Bory) Mett. (M)
- ✓1812. *Psychotria brachiata* Sw. (S)
- ✓1816. *Ossaea robusta* (Triana) Cogn. (G)
- ✓1823. *Dichorisandra hexandra* (Aubl.) Standl. (S)
- ✓1826. *Miconia scorpioides* (S. & C.) Naud. (G)
- ✓1834. " " " " "
- ✓1838. *Polypodium bifrons* Hook. (M)
- ✓1839. *Cordia colombiana* Killip (K)
- ✓1842. *Psychotria hospitalis* Standl. (S)
- ✓1846. *Hemitelia spectabilis* Kunze (M)
- ✓1867. *Tournefortia psilostachya* H. B. K. (K)
- ✓1873. *Leptochilus oligarchicus* (Baker) C. Chr. (M)
- ✓1874. *Psychotria alba* R. & P. (S)

- ✓1879. *Cissus sicyoides* L. (S)
- ✓1882. *Maieta guianensis* Aubl. (G)
- ✓1883. *Trichomanes gardneri* v. d. B. (M)
- ✓1885. *Trichomanes pinnatum* Hedw. (M)
- ✓1886. *Saccoloma inaequale* (Kunze) Mett. (M)
- ✓1890. *Monolena primulaeflora* Hook. (G)
- ✓1892. *Hiraea putumayensis* Morton (type)
- ✓1893. *Iresine spiculigera* Seub. (S)
- ✓1902. *Isertia hypoleuca* Benth. (S)
- ✓1903. *Leandra dichotoma* (Don) Cogn. (G)
- ✓1909. *Conostegia poeppigii* Cogn. (G)
- ✓1910. *Trama micrantha* (L.) Blume (S)
- ✓1915. *Posoqueria longiflora* Aubl. (S)
- ✓1917. *Bertiera guianensis* Aubl. (S)
- ✓1918. *Mendoncia pedunculata* Leonard (L)
- ✓1926. *Miconia hypoleuca* (Benth.) Triana (G)
- ✓1928. *Polypodium megalophyllum* Desv. (M)
- ✓1929. *Ixora killipii* Standl. (S)
- ✓1931. *Pilea imparifolia* Wedd. (K)
- ✓1932. *Campelia zanonina* (L.) H. B. K. (S)
- ✓1940. *Meriania intonsa* Gleason (G)
- o 1942. *Tococa guyanensis* Aubl. (G)
- ✓1943. *Clidemia dispar* (Triana) Cogn. (G)
- ✓1944. *Neea spruceana* Heimerl. (S)
- ✓1955. *Neea parviflora* Poepp. & Endl. (S)
- ✓1957. *Bertiera guianensis* Aubl. (S)
- ✓1963. *Euphorbia densiflora* Kl. (K)
- ✓1973. *Palicourea lachryanthes* Standl. sp. nov.
- ✓1975. *Psychotria tessmannii* Standl. (S)
- ✓1977. *Palicourea klugii* Standl. sp. nov.
- ✓1980. *Mandevillea subsagittata* (R. & P.) Woodson (S)
- ✓1993. *Paullinia alata* Don (S)
- ✓1998. *Pouzolzia formicaria* (Poepp.) Wedd. (K)
- ✓1999. *Tournefortia bicolor* Sw. (K)
- ✓2002. *Erythroxylon coca* Lam. (S)
- ✓2009. *Mendoncia lurida* Leonard (type)
- ✓2017. *Calycophyllum spruceanum* (Benth.) Hook. f. (S)
- ✓2019. *Psychotria loretensis* Standl. (S)
- ✓2020. *Ischnosiphon surinamensis* (Miq.) Koern. (S)
- ✓2022. *Loretoa peruviana* Standl. gen. nov. Rubiacearum
- ✓2026. *Neea spruceana* Heimerl. (S)
- ✓2030. *Pouzolzia formicaria* (Poepp.) Wedd. (K)
- ✓2038. *Cephaelis pubescens* Hoffmannsegg (S)
- ✓2040. *Hibiscus abelmoschus* L. (S)
- ✓2044. *Favonia paniculata* Cav. (S)
- ✓2045. *Cephaelis plagiantha* Standl. sp. nov.
- ✓2047. *Phthirusa paniculata* (H. B. K.) Macbr. (S)
- ✓2048. *Adenaria floribunda* H. B. K. (S)

K--4.

- ✓2051. *Guettarda aromatica* Poepp. & Endl. (S)
- ✓2062. *Hamelia patens* Jacq. (S)
- ✓2066. *Cissus sicyoides* L. (S)
- ✓2070. *Coussarea macrantha* Standl. sp. nov.
- ✓2074. *Xylopia xylopioides* (Dunal.) Standl. (S)
- ✓2075. *Salix chilensis* Molina (S)
- ✓2079. *Trophis racemosa* (L.) Urban (S)
- ✓2081. *Cassipourea elliptica* (Sw.) Poir. (S)
- ✓2082. *Stenochlaena marginata* (Schrad.) C. Chr. (M)
- ✓2083. *Tournefortia ulei* Vaupel (K)
- ✓2085. *Sabicea amazonensis* Wernh. (S)
- ✓2094. *Melanthera aspera* (Jacq.) Steud. (S)
- ✓2096. *Centropogon cornutus* (L.) Druce (S)
- ✓2099. *Ficus radula* Willd. (S)
- ✓2107. *Schefflera acuminata* (R. & P.) Harms (S)

- ✓2088. *Sida acuta* Burm. (S)

Plants of Putumayo, Colombia and Peru, collected by G. Klug.
Report no. 2, March 1933.

Identifications by the following: S. F. Blake (Bl), H. A. Gleason (G),
William Trelease (T), A. C. Smith (A. C. S.), E. C. Leonard (L),
C. V. Morton (C. V. M.), E. P. Killip (K), P. C. Standley (S).

- ✓1601. *Hippocratea tenuiflora* Mart. (A. C. S.)
- ✓1602. *Virola cuspidata membranacea* Warb. (A. C. S.)
- ✓1606. *Paullinia nobilis* Radlk. (S)
- ✓1609. *Hiraea fagifolia candolleana* f. *riedleyana* (Juss.) Ndz. (C. V. M.)
- 1616. *Erythroxylon macrophyllum* Cav. (A. C. S.)
- ✓1617. *Securidaca rivinaefolia parvifolia* Benth. (A. C. S.)
- ✓1640. *Rivea corymbosa* (L.) Hallier (S)
- ✓1641. *Siparuna asperula* (Tul.) A. DC. (A. C. S.)
- ✓1642. *Acalypha macrostachya* Jacq. (S)
- ✓1648. *Acalypha arvensis* (P. & E.) Muell. Arg. (S)
- ✓1654. *Tetrapteris nitida* Juss. (C. V. M.)
- ✓1656. *Cissampelos fasciculata* Benth. (A. C. S.)
- ✓1658. *Sauvagesia erecta* L. (form) (K)
- 1660. *Gynandropsis speciosa* DC. (A. C. S.)
- 1662. *Habenaria monorrhiza* Reichb., f. (Det. Schweinfurth)
- ✓1664. *Mimosa polydactyla* H. & B. (K)
- ✓1665. *Ageratum conyzoides inaequipaleaceum* Hieron. (Bl)
- ✓1666. *Cissampelos pereira haenkeana* Presl (A. C. S.)
- ✓1667. *Serjania paniculata* H. B. K. (K)
- ✓1669. *Blakea bracteata* Gleason (type)
- ✓1675. *Dioscorea meridensis* Knuth (det.) Knuth
- ✓1689. *Casearia combaymensis* Tul. (A. C. S.)
- ✓1693. *Jacobinia coccinea* (Nees) Hieron. (L)
- ✓1702. *Baccharis trinervis* (Lam.) Pers. (Bl)
- ✓1711. *Selaginella parkeri* (Hook. & Grev.) Spring. (det. Alston)
- ✓1713. *Dioscorea putumayensis* R. Knuth (type)
- ✓1720. *Casearia sylvestris* Sw. (A. C. S.)
- ✓1724. *Justicia klugii* Leonard (type)
- ✓1726. *Peperomia umbriana* Trel. (type)
- ✓1728. *Mauria suaveolens* P. & E. (A. C. S.)
- ✓1730. *Paullinia pterophylla* Tr. & Pl. (K)
- ✓1738. *Jussiaea latifolia* Benth. (K)
- ✓1742. *Justicia comata* (L.) Lam. (L)
- ✓1743. *Peperomia acrostachya* Trel. (T)
- ✓1745. *Aparisthium cordatum* (Juss.) Baill. (K)
- ✓1749. *Peperomia reptans* C. DC. (T)
- ✓1751. *Chamaefistula undulata* (Benth.) Pittier (K)
- ✓1753. *Securidaca varubilis* L. (A. C. S.)
- ✓1755. *Torenia thouarsii nivea* Pennell (Det. Pennell)
- ✓1758. *Casearia bangii* Rusby (A. C. S.)
- ✓1760. *Mendoncia aspera* (R. & P.) Nees (L)
- ✓1761. *Gouania lupuloides* (L.) Urb. (K)
- ✓1764. *Siparuna mollicoma* (Mart.) A. DC. (A. C. S.)
- ✓1771. *Peperomia umbriana* Trel. (T)
- ✓1777. " *sublaxiflora* C. DC. (T)
- ✓1778. *Selaginella parkeri* (Hook. & Grev.) Spring (Det. Alston)

- ✓1779. *Adelobotrys tessmannii* Hgfl. (G)
- ✓1786. *Aristolochia schultzeana* O. C. Schmidt (type)
- ✓1791. *Banara guianensis* Aubl. (A. C. S.)
- ✓1793. *Nectandra reticulata* (R. & P.) Mez (A. C. S.)
- ✓1796. *Lantana camara* L. (K)
- ✓1800. *Miconia aulocalyx* Mart. (G)
- ✓1817. *Wulffia baccata* (L. f.) Kuntze (Bl.)
- ✓1821. *Peperomia putumayoana* Trel. (type)
- ✓1824. *Blakea bracteata* Gleason (G)
- ✓1830. *Bauhinia tarapotensis* Benth. (K)
- ✓1841. *Aristolochia klugii* O. C. Schmidt (type)
- ✓1843. *Paullinia eriantha* Benth. (K)
- ✓1846. *Conoclea scoparioides* (C. & S.) Benth. (det. Pennell)
- ✓1851. *Hyptis mutabilis* (A. Rich.) Briq. (det. Epling)
- ✓1853. *Herrania mariae* (Mart.) Goud. (A. C. S.)
- ✓1854. *Couepia chrysocalyx* Benth. (A. C. S.)
- ✓1859. ~~Mimosa pudica~~ L. (K) *Mikania* See letter from Killip 5/22/33
- ✓1862. *Blakea truncata* Gleason (type)
- ✓1877. *Pontederia cordata* L. (K)
- ✓1884. *Endlicheria klugii* O. C. Schmidt (det. Schmidt)
- ✓1888. *Acalypha macrostachya* Jacq. (S)
- ✓1891. *Jacquemontia lactescens* Seem. (K)
- ✓1894. *Petreaa macrostachya* Benth. (A. C. S.)
- ✓1898. *Serjania lethalis* St. Hil. (K)
- ✓1901. *Peltacanthus falcifrons* Mart. (A. C. S.)
- ✓1904. *Endlicheria klugii* O. C. Schmidt (type)
- ✓1905. *Miconia longiracemosa* Gleason (G)
- ✓1906. *Acalypha cuneata* P. & E. (K)
- ✓1908. *Cissampelos grandifolia* Tr. & Pl. (A. C. S.)
- ✓1921. *Struthanthus suaveolens* (T. B. K.) Bl. (A. C. S.)
- ✓1922. *Ocotea cujumary* Mart. vel aff. (A. C. S.)
- ✓1923. *Carpotroche amazonica* Mart. (A. C. S.)
- ✓1938. *Swartzia arborescens* (Aubl.) Pittier (A. C. S.)
- ✓1948. *Hirtella macrophylla* Benth. (A. C. S.)
- ✓1949. *Rinorea falcata* (Mart.) Kuntze (A. C. S.)
- ✓1952. *Trichilia moritzii* C. DC. (det. Harms)
- ✓1956. *Lozania klugii* Mansf. (det. Mansfield)
- ✓1958. *Ocotea cujumary* Mart. vel aff. (det. O. C. Schmidt)
- ✓1960. *Guarea grandifolia* C. DC. var. (det. Harms)
- ✓1961. *Erythroxylum gracilipes* Peyr. (det. O. E. Schulz)
- ✓1965. *Osteophloeum platyspermum* (A. DC.) Warb. (A. C. S.)
- ✓1970. *Dichaea* (aff. *D. muricata* (Sw.) Lindl.) (det. Schweinfurth)
- ✓1974. *Miconia longiracemosa* Gleason (G)
- ✓1976. *Lozania klugii* Mansf. (det. Mansfield)
- ✓1983. *Picrolemma sprucei* Hook. f. (S)
- ✓1986. *Connarus ruber* (P. & E.) Planch. (S)
- ✓1989. *Hirtella americana latifolia* Macbride (det. Macbride)
- ✓1991. *Coccoloba polystachya* Wedd. (S)
- ✓1994. *Hiraea transiens* Hdz. (C. V. M.)
- ✓1997. *Miconia ternatifolia* Tr. (G)
- ✓2000. *Musseltia laxiflora* (Poepp. & Endl.) Eichl. (S)
- ✓2014. *Liriosma gracilis* A. C. Smith (S)
- ✓2008. *Gilibertia tessmannii* Harms (S)

- ✓2016. *Gilibertia tessmannii* Harms (S)
- ✓2018. *Guazuma ulmifolia* Lam. (S)
- ✓2021. *Theobroma bicolor* Humb. & Bonpl. (S)
- ✓2025. *Cleidion amazonicum* Ule (S)
- ✓2027. *Aegiphila chrysantha* Hayek (det. Moldenke)
- ✓2029. *Cissampelos andromorpha* DC. (S)
- ✓2031. *Allophyllus punctatus* (P. & H.) Radlk. (S)
- ✓2034. *Piptadenia flava* (Spreng.) Benth. (S)
- ✓2035. *Brownea macbrideana* Standl. (S)
- ✓2041. *Hibiscus albemoschus* L. (previously reported as no. 2040)
- ✓2042. *Chondodendron polyanthum* Diels (A. C. S.)
- ✓2046. *Odontadenia hoffmannseggiana* (Steud.) Woods. (S)
- ✓2049. *Ipomoea squamosa* Chois. (S)
- ✓2052. *Dioclea lasiocarpa* Mart. (S)
- ✓2054. *Mayna echinata* Spruce (form) (A. C. S.)
- ✓2055. *Allophyllus floribundus* Radlk. (S)
- ✓2056. *Plukenetia volubilis* L. (S)
- ✓2058. *Hiraea bahiensis salzmänniana* (Juss.) Ndz. (C. V. M.)
- ✓2059. *Phaseolus caracalla* L. (S)
- ✓2069. *Theobroma mariae* (Mart.) Schum. (S)
- ✓2076. *Aegiphila sufflava* Moldenke (det. Moldenke)
- ✓2077. *Malvaviscus cuspidatus* Turcz. (S)
- 2081. *Cassipourea peruviana* Alston (correction) (S)
- ✓2086. *Casearia sylvestris* Sw. (A. C. S.)
- e/ ✓2087. *Triplaris pavonii* Meissn. (S)
- ✓2089. *Couplia speciosa* Pilger (S)
- ✓2090. *Guarea fissicalyx* Harms (Type)
- ✓2091. *Paullinia nobilis* Radlk. (K)
- 2094. *Melanthera nivea* (L.) Small (correction) (Bl)
- ✓2095. *Merremia umbellata* (L.) Hallier (S)
- ✓2097. *Corynostylis arborea* (L.) Blake (S)
- ✓2101. *Cupania cineria* P. & E. (S)
- ✓2104. *Aegiphila vitelliniflora* Kl. (det. Moldenke)
- 2107. *Schefflera klugii* Harms (type) (Correction)
- ✓1995. *Guazuma ulmifolia* Lam. (S)

Bdl. 3851-7

Plants of Putumayo, Peru, collected by G. Klug (Klug II).
Report no. 2, October 1933.

Identified by P. C. Standley unless otherwise noted.

- ✓2120. *Gurania ulei* Cogn.
- 2135. *Mikania klugii* Robinson (type)
- 2172. " *brachiata* Poepp. (det. Robinson; correction)
- ✓2175. *Phoradendron huallagense* Ule
- ✓2176. *Roentgenia bracteomana* (K. Sch.) Urban (det. Sandwith)
- ✓2198. *Siolmatra simplicifolia* Harms
- ✓2253. *Endlicheria bracteata* Mez
- ✓2267. *Gurania eriantha* (P. & E.) Cogn.
- ✓2315. *Ocotea aciphylla* (Nees) Mez
- ✓2339. *Hebepetalum humiriifolium* (Planch.) (det. Sandwith)

Klug, Edls.
3682-4

Plants of Putumayo, Colombia and Peru, collected by G. Klug (Klug I)
Report No. 3, October 1933.

Mimosaceae and Caesalpiniaceae determined by N. L. Britton & T. P. Killip;
other as indicated.

-
- ✓1621. *Anona tessmannii* Diels (det. Standley)
 - 1622. *Chamaefistula gigantophylla* Britton & Killip (type; correction) *Chamaefistula*
 - 1629. *Eupatorium iresinoides* W. B. K. (Not E. marginatum; det. Robinson)
 - 1651. *Senegalia tomentella* Britton & Killip (type; correction)
 - 1688. *Brownea ariza* Benth. (det. Britton & Killip)
 - ✓1716. *Anneslia carbonaria* (Benth.) B. & R. (*Calliandra carbonaria* Benth.)
(det. Britton)
 - ✓1733. *Schnella umbriana* Britton & Killip (type)
 - ✓1737. *Inga olivacea* Sprague (det. Britton & Killip)
 - 1751. *Chamaefistula klugii* Britton & Killip (type; correction)
 - 1859. *Mikania* (not *Mimosa pudica* as reported in error)
 - ✓1865. *Klugiodendron umbrianum* Britton & Killip (type)
 - ✓1979. *Paullinia curvicauspis* Radlk. (det. Standley)
 - ✓1984. *Sicydium diffusum* Cogn. " "
 - 2023. *Siolmatra amazonica* Cogn. " "
 - ✓2106. *Aetanthus subandinus* Ule " "

IDENTIFICATION OF G. KLUG'S SPECIMENS

(Flacourtiaceae by Sleumer; others as indicated)

U. S. National Museum, March 1934.

- ✓2275. *Casearia decandra* Jacq.
✓2307. " *cambessedesii* Eichl.
✓2353. " *pavoniana* Sleumer
2632. *Xylosma tessmannii* Sleumer
2897. *Arrabidaea divaricata* Bur. & K. Sch. (Correction by Sandwith)
2964. *Memora schomburgkii* (DC.) Miers (Det. Sandwith)
2996. *Pleonotoma auriculatum* K. Sch. (Correction by Sandwith)
3062. *Centropogon silvaticus* Wimmer (type)
3112. *Casearia arborea* (Rich.) Urb. (Sens lat.)

Klug 341. *Alloplectus semicordatus* Poepp. & Endl.
359. *Codonanthe Uleana* Fritsch
822. " " "

Identification of G. Klug's specimens.

Besleria by C. V. Morton.

U. S. National Museum, December 1934.

✓1912. *Besleria immitis* Morton (type)

2660. " *capitata* Poepp.

2668. " *variabilis* Morton

2912. " " " (type)

2926. " *compta* Morton (type)

Klug I.

1770. *Miconia centrode^sma* Naud. (det. Gleason)
 ✓1772. *Biophytum somnians* (M. & Z.) Knuth (det. Knuth)
 ✓1819. *Solanum lepidotum* H. & B. (det. Morton)
 ✓1858. " *martinense* Morton (det. Morton)
 ✓1880. *Gustavia Tessmannii* R. Knuth (det. Knuth)
 ✓1897. *Inga punctata* Willd. (det. Killip)
 ✓1900. *Monopyle inaequalis* Morton, sp. nov. type.
 ✓1913. *Solanum loretoanum* Bitt. (det. Morton)
 ✓1985. *Tapura guianensis* Aubl. (det. Killip)
 ✓1987. *Coussarea obliqua* Standl. (det. Standley)
 ✓2063. *Solanum pulchrum* Dunal (det. Morton)
 ✓2067. *Bauhinia* (aff. *B. langsdorffiana* Bong.)
 ✓2071. *Solanum sempervirens* Dunal. (det. Morton)
 2081. *Cassipourea peruviana* Alston (corr.)

Klug II.

- ✓2321. *Cassia multijuga* L. C. Rich. (form) (det. Killip)

Klug III.

2659. *Solanum martinense* Morton type (not *S. monadelphum*)
 2667. *Pithecellobium* (*Zygia*) *juruanum* Harms (det. Killip)
 2676. *Polygala acuminata* Willd. (det. P. C. Standley)

Klug IV

3256. *Alsophila gibbosa* Kl.? (det. Maxon)
 3306. *Solanum citrifolium* Willd. (not *S. salviifolium*; det. Morton)
 3354. *Dryopteris sorbifolia* (Jacq.) Hieron.? (det. Maxon)
 3389. *Begonia klugii* Irmscher (type)
 3458. *Dicranopteris velata* (Kunze) Maxon (det. Maxon)
 ✓3491. *Solanum martinense* Morton (not *S. monadelphum*; det. Morton)
 ✓3493. *Hypericum euphorbioides* St. Hil. (det. Killip)
 ✓3565. *Acnistus arborescens* Schl. (det. Morton)
 ✓3570. *Turnera ulmifolia* L. (det. Killip)
 ✓3574. *Merremia umbellata* var. *occidentalis* Hall. f. (rather than *Ipomoea polyanthes* R. & S.; corr. by van Ooststroom)
 3576. *Solanum umbellatum* Mill. var.? (not *S. bicolor*; det. Morton)
 ✓3603. *Ipomoea lindenii* M. & G. (rather than *I. squamosa*; corr. by van Ooststroom)

Klug V

3180. *Peperomia elegantifolia* Trel. (not *P. loretana*)
 3200. " *granulatilimba* Trel. (not *P. rubellibacca*)

Klug VII

3623. *Pleurothallis velaticaulis* Reichb. f., (det. Ames)
 3626. " *ruscifolia* R. Br. " "
 3633. " *semipellucida* Reichb. " "
 3634. " *hemirhoda* Lindl. " "
 3683. *Cyrtopodium buchtienii* Schltr. " "
 3685. *Vanilla Pompona* Schiede (probably) " "
 3718. *Spiranthes costaricensis* Reichb. f. " "

Klug VIII

3847. *Xylophragma pratense* Sprague (det. Sandwith)
 3862. *Strychnos* (aff. *tarapotensis* Sprague & Sandw.; det. Sandwith)

Identification of G. Klug's specimens,

Ferns by W. R. Maxon.

U. S. National Museum, December 20, 1934.

- ✓1631. *Adiantum latifolium* Lam.
 ✓1676. *Paragonia pyramidata* (Rich.) But.
 ✓1734. *Dioscorea nicolasensis* R. Knuth (Det. Morton)
 1778. *Selaginella* sp. (Very likely new.—C. V. Morton)
 ✓1781. *Dioclea violacea* Mart.
 ✓1787. *Pteropepon deltoideus* Cogn. (Det. Harms)
 ✓1792. *Tetrapteris nitida* Juss. (Det. Morton)
 1798. *Dioclea violacea* Mart.
 ✓1820. *Tetrapteris calophylla* Juss. (Det. Morton)
 ✓1850. *Dioclea lasiocarpa* Mart.
 ✓1861. *Vismia confertiflora* Spruce (Det. A. C. Smith)
 ✓1868. *Calathea comosa* (L. f.) Lindl.
 ✓1870. *Dioclea violacea* Mart.
 ✓1920. *Sticta weigeliae beauvoisii*
 ✓1925. *Paullinia serjaniaefolia* Tr. & Planch.
 ✓1962. *Abuta concolor* P. & E. (Det. Diels)
 ✓2225. *Pachyrrhizus tuberosus* (Lam.) Spreng.
 ✓2231. *Besleria immitis* Morton (Det. Morton)
 2365. *Miconia triangularis* Gleason (Correction; not *M. scorpioides*)
 2779. *Pleurothyrium cuneifolium* Nees
 2980. *Platymiscium stipulare* Benth. (Correction)

Klug 509.

Dryopteris *desvauxii* f. *glandulosa* Maxon & Morton

Klug

Determined by P. C. Standley unless otherwise noted
Reported By U.S.National Museum, Feb. 1937.

- ✓1636. *Phyllanthus pseudoconami* M. Arg.
- 1676. *Paragonia pyramidata* (Rich.) Bureau.
- 1894. *Petrea maynensis* Huber (Det. Moldenke)
- ✓2006. *Mimosa punctulata* Spruce (Det. Killip)
- 2054. *Dolioscarpus dentatus* (Aubl.) Standl.
- ✓2057. *Triplaris peruviana* Fisch. & Mey.
- 2067. *Bauhinia Langsdorffiana* Bong.
- ✓2073. *Bauhinia Langsdorffiana* Bong.
- 2075. *Salix Martiana* Leybold, not *chilensis*.
- ✓2100. *Dilkea wallisii* Mast.? (Det. Killip)
- 2107. *Schefflera klugii* Harms (type)
- ✓2136. *Cestrum silvaticum* Francey (Det. Morton)
- ✓2254. *Aetanthus subandinus* Ule
- 2260. *Coccoloba Barbeyana* Lindau. Not *Williamsii*
- 2295. *Helicostylis tomentosa* (Poepp. & Endl.) Macbr. Not *Trymatococcus*
- ✓2338. *Phyllanthus nobilis* (L.) M. Arg.
- ✓2356. *Mimosa punctulata* Spruce (Det. Killip)
- 2601. *Phyllanthus pseudoconami* M. Arg.
- 2625. *Cestrum baenitzii* Lingelsh. (Det. Morton)
- 2683. *Oxalis raymondii* Knuth (Det. Killip)
- 2686. *Phyllanthus Klugii* Standl., sp. nov.
- 2690. *Cestrum silvaticum* Francey (Det. Morton)
- 2695. *Phyllanthus Klugii* Standl., sp. nov.
- 2722. *Inga matthewsiana* Benth. (Det. Killip)
- 2793. *Mimosa extensissima* Ducke (Det. Killip)
- 2835. *Couroupita peruviana* Berg (Det. A.C.Smith)
- 2847. *Aphelandra montis-scalaris* Lindau.
- 2932. *Forsteronia gracilioides* Woodson (Det. Woodson)
- 3016. *Aegiphila glandulifera* Moldenke (Det. Moldenke)
- 3062. *Centropogon sylvaticus* Wimmer (type)
- 3114. *Nissolia fruticosa* Jacq.
- 3210. *Jaegeria hirta* (Lag.) Less. (Det. Blake).
- 3259. *Inga matthewsiana* Benth. (Det. Killip)
- 3278. *Gaultheria glandulosissima* Sleumer (Det. Sleumer)
- 3279. *Senecio laricifolius* H.B.K. (Det. Greenman)
- 3281. *Pitcairnia tarapotensis* Baker (Det. L.B.Smith)
- 3357. *Pithecellobium jupunba* (Willd.) Urb. (Det. Killip)
- 3417. *Embothrium Weberbaueri* Perk. Not *E. mucronatum*
- 3432. *Centropogon alsophilus* Wimmer (type)
- 3547. *Pitcairnia puyoides* L.B.Smith (type)
- 3598. *Cassia multijuga lindleyana* (Gardn.) Benth. (Det. Killip)
- 3692. *Inga myriantha* P. & E. (Det. Killip)
- 3698. *Clarisia biflora* Ruiz & Pavon. Not *Sahagunia* n. sp.
- 3936. *Moutabea* sp. (Det. Sandwith)
- 3966. *Capparis sola* Macbr. (Det. A.C.Smith)
- 3993. *Piper callosum chazutanum* Trel. (type)
- 4046. *Arrabidaea* sp. (Det. Sandwith)
- 4079. *Aristolochia macbrideana* Standl. (type; substituted for *A. klugii*)
- 4115. *Stizophyllum* sp. (Det. Sandwith)
- 4138. *Adenocalymma* (Sect. *Hanburyophyton*) (Det. Sandwith)

Report of Collections of G. Klug

June 1938

Note: As orders for the sets were received at different times, some of the following names may have been on the labels at the time sets were sent out - E.P.K.

- ✓1652. *Siolmatra mexiae* Standl. (Det. Standley)
- ✓1690. *Ardisia panurensis* Mez (Det. Killip)
- ✓1694. *Arrabidaea nicotianiflora* Kränzl. (not *Mansea*; det. Sandwith)
- ✓1698. *Cuphea racemosa* (L.f.) Spreng. (Det. Killip)
- ✓1714. *Cyclanthera explodens* Naud. (Det. Killip)
- ✓1757. *Phyllanthus pseudo-conami* Muell. Arg. (Det. Killip)
- ✓1871. *Pterocarpus klugii* Killip (type)
- ✓1959. *Matisia glandifera* Tr. & Planch. (Det. Killip)
- 1962. *Abuta grandifolia* (Mart.) Sandw. (Det. Moldenke; dist. *A. concolor*)
- ✓1969. *Mabea klugii* Steyerl. (type)
- ✓2001. *Paullinia faginea* (Tr. & Pl.) Radlk. (Det. Killip)
- ✓2033. *Siolmatra brasiliensis* (Cogn.) Baill.
- ✓2064. *Mabea standleyi* Steyerl. (type)
- ✓2130. *Compsoeura capitellata* (A.DC.) Warb. (Det. A. C. Smith)
- ✓2131. *Licaria quirirafuina* Kosterm. (Type)
- 2253. *Endlicheria cocuirey* Kosterm. (type; not *E. bracteata*)
- ✓2323. *Paullinia faginea* (Tr. & Pl.) Radlk. (Det. Killip)
- 2524. *Unonopsis elegantissima* R. E. Fries (type)
- 2532. *Iryanthera juruensis* Warb. (not *I. Tessmannii*; corr. by A. C. Smith)
- 2538. *Ruellia klugii* Leonard (Det. Leonard)
- 2544. *Iryanthera Ulei* Warb. (not *I. juruensis*; corr. by A. C. Smith)
- 2749. *Siolmatra mexiae* Standl. (Det. Standley)
- 2757. *Abuta grandifolia* (Mart.) Sandw. (dist. as *A. concolor*; corr. by Moldenke)
- 2825. *Miconia ternatifolia* Triana (Det. Gleason)
- 2833. *Endlicheria poeppigii* Kosterm. (not *E. Sprucei*; det. Kostermans)
- 2838. *Monopyle subsessilis* Benth. (not *M. macrocarpa*; det. Morton)
- 3006. *Abuta grandifolia* (Mart.) Sandw. (Reported as *A. concolor*; corr. by Moldenke)
- 3034. *Xylopia micans* Fries (type)
- 3125. *Serjania glabrata* H.B.K. (not *Paullinia glabrata*)
- 3133. *Cyperus cuspidatus* H.B.K. (Det. O'Neill)
- 3206. *Mabea elata* Steyerl. (type) (reported as *M. eximia*)
- ✓3210. *Jaegeria hirta* (Lag.) Less. (Det. Blake)
- 3232. *Gycopodium lehmanni* Hieron. (Not *L. trianae* Hieron; corr. by Maxon)
- 3239. *Tachigalia* (not *Bumelia*; corr. by Standley)
- 3354. = *Dryopteris salzmanii* (Fee) M. & M. (Det. Maxon)
- 3475. *Cayaponia paederifolia* Standl., sp. nov.
- 3538. *Pavonia mollis* H.B.K. (not *P. cuspidata*; corr. by Killip)
- 3698. *Clarisia biflora* R. & P. (Not *Sahagunia peruviana*; corr. by Standley)
- 3857. *Eugenia racemifera* Berg. (not *E. racemulosa*, as distributed)
- 3935. *Dioclea ucayalina* Harms (as *D. lasiocarpa*)
- 3951. *Dialyanthera parvifolia* Markgr. (corr. by Smith; as *D. otoba*)
- 3982. *Comosoneura sprucei* (A. DC.) Warb. (Det. A. C. Smith; dist. as *C. capitellata*)
- 3985. *Aganisia pulchella* Lindl. (Det. Schweinfurth)
- 4009. *Miconia riparia* Triana (Det. Gleason)
- 4069. *Heterotrichum octomum* (Bonpl.) D.C. (Distributed as *Heterocentron*)
- 4086. *Trigonidium tenue* Lodd. (Det. Schweinfurth)

- 4099. *Paranipedium caricinum* Rolfe (Det. Schweinfurth)
- 4145. *Zexmenia mikanoides* (Britton) Blake (Det. Blake)
- 4221. *Pavonia mollis* H.B.K. (not *P. paniculata*; corr. by Killip)
- 4223. *Rodriguezia batemanii* Poepp. & Endl. (Det. Ames)
- 4225. *Gongora quinquenervis* R. & P. (Det. Ames)
- 4237. *Pitcairnia calatheoides* L. B. Smith (Det. L. B. Smith)
- 4260. *Trichocentrum* (Det. Ames)
- 4264. *Bidens pilosa radiata* Sch. Bip. (Det. Sherff)
- 4301. *Epidendrum inatophyllum* Lindl. (Det. Ames)
- 4317. *Campylocentrum micranthum* Rolfe (Det. Ames)

3

G. Klug
Reported by U.S.N.M. April 1940.

1633. *Mappia poeppigiana* Baill., not *M. ampla* (Det. A.C. Smith)
-1831. *Croton lechleri* Muell. Arg. (Det. Croizat)
1880. *Gustavia tessmannii* R. Knuth (Det. Knuth)
-2015. *Dalbergia nitida* (Radlk.) Ducke (Det. Hoehne)
-2050. *Stenomeria pentalepis* Turcz. (Det. Malme)
-2255. *Machaerium leiophyllum* (DC.) Benth. (Det. Hoehne)
2296. *Mahurea duckei* Huber, not *Caraipa glabrata* (Det. A.C. Smith)
2739. *Dalbergia volubilis* (L.) Urban (Det. Hoehne)
2808. *Machaerium decorticans* Ducke (Det. Hoehne)
2839. *Bouchea fluminensis* (Vell.) Moldenke (*B. pseudovergao*, syn.; det. Moldenke)
2961. *Symplocos sylvicola* Sleumer (Cited by Sleumer)
2967. *Mappia poeppigiana* Baill. (Det. Basini)
3001. *Symplocos sylvicola* Sleumer (Cited by Sleumer)
3042. *Aristolochia pinnosa* Mart. (Cited by Schmidt)
3279. *Senecio laricifolius* H.B.K. (Det. Greenman)
3330. *Elaphoglossum apodum* (Kaulf.) Schott (Det. Maxon)
3434. *Ouratea orthoneura* Standl. (Det. Dwyer)
3466. *Senecio klugii* Greenm. (type)
3636. *Elaphoglossum pachycraspedon* Christ (Det. Maxon)
3682. *Cladonia signata* Vainio (Det. Dodge)
3698. *Clarisia biflora* R. & P.
3750. *Forcellia nitidifolia* R. & P. (Det. Fries)
3839. *Unonopsis matthewsii* (Benth.) Fries (Det. Fries)
3892. *Mappia poeppigiana* Baill. (Det. A. C. Smith)
3923. *Xylopia densiflora* Fries (Det. Fries)
4003. *Byrsenium arthropoda* Juss. (Det. Morton)
4066. *Maripa peruviana* Van Ooststr. (not *M. glabra*; det. Van Ooststroom)
4317. *Campylocentrum micranthum* Rolfe (Det. Schweinfurth)

5

G. Klug
Det. E. P. Killip unless otherwise noted
Reported by U.S.N.M., April 1942

- 1668. *Sapium* cf. *verum* Hemsl. (Det. Croizat)
 —1682. *Wittia amazonica* Schum.
 —1799, 1827. *Ipomoea phillomega* (Vell.) House
 —1875. *Dalechampia dioscoreifolia* P. & E.
 —1881. *Matisia klugii* Killip (type)
 —2104, 2204. *Aegiphila chrysantha* Hayek (not *A. vitelliniflora*; corr. by Moldenke)
 —2123. *Tachia guianensis* Aubl.
 —2165. *Acalypha stachyura* Pax (Not *A. benensis*; corr. by Croizat.)
 —2191, 2340 (type). *Schlegelia ramizii macrandra* Sandw. (Dist. as *S. peruviana* Standl. n. sp., ined.)
 —2905 (type) ~~coll.~~, 3104. *Forsteronia decipiens* Woodson (Dist. as *F. montana*)
 —2961, 3001. *Symplocos sylvicola* Sleumer (Dist. as *S. arechea*?)
 —3066. *Prestonia vana* Woodson (type; dist. as *p. glabrata*)
 —3100. *Acalypha foliosa* Rusby (not *A. benensis*; corr. by Croizat)
 —3325. *Casearia arguta* H.B.K.
 —3347. *Acalypha ruiziana* Muell. Arg. (not *A. benensis*; corr. by Croizat)
 X 3364. *Chelonanthus bifidus* (H.B.K.) Gilg
 X 3862. *Strychnos tarapotensis* Sprague & Sandw. (Det. Krukoff)
 X 3699. *Ecclinusa klugii* (Baehni) Gilly (type of *Chrysophyllum klugii*) (corr.)
 —4082. *Strychnos pamurensis* Sprague & Sandw. (Det. Krukoff; dist. as *S. killipiana* Standl., ined.)
 —4155. *Petrea pubescens* var. *klugii* Moldenke (type) (Dist. as *P. arborea*.)
 —4267. *Selaginella erythropus* (Mart.) Hieron. (det. Morton)
 X 4344. *Polygala scleroxylon* Ducke

Cited in Fl. Peru, perhaps not reported to subscribers or other names reported.

- Melast. X 2011. *Ossaea araneifera* Markgr. (type)
 Melast. X 2084. *Blakea ovalis* (R. & P.) D. Don?
 —2207. *Miconia calvescens* (Schranke & Mart.) DC.
 Flacour. —2246 (type), 2358. *Banara guianensis* var. *isadena* Standl. (Dist. as *B. isadena* Standl. ined.)
 —2276. *Xylosma didygmum* (Benth.) Eichl.
 —2287, 2727. *Rinoreaocarpus ulei* (Melch.) Ducke
 —2948. *Adelobotrys guianensis* (DC.) Gleason (Dist. as *A. adscendens*)
 —3036. *Miconia cayumbensis* Gleason
 X 3112. *Casearia cambessedesii* Eichl. (form) (reported as *C. arborea*, sens. lat.)
 Legum. —3121. *Eschiveilera loretensis* R. Knuth (Dist. as *E. cf. coriacea*)
 —3216. *Cuphea bombonae* Spruce
 —3274, 3444, 4072. *Cuphea strigulosa* H.B.K. (Dist. as *C. carthagineum*.)
 —3313. *Graffenrieda cinna* Macbr. (type; dist. as *G. pubescens* Gleason, ined.)
 —3362. *Miconia puberula* Cogn.
 —3483. *Hybanthus attenuatus* G. K. Schulze (not *H. parietariifolius*)
 —3900. *Gustavia speciosa* (H.B.K.) DC. (Dist. as *G. angusta*)
 —4296. *Begonia gesnerioides* Smith & Schubert (type)
 X 4327. *Lafoensia puniceaefolia* DC. but with suggestion it might be a n. sp. Dist. as *L. peruviana* Standl. ined.)

C. Coll. Klug.

(Det. N. Y. Sandwith)

- o ✓ No. 2137, distr. as Tapirira sp.; cf. ^{ma cord.} Tapirira pilosa Sprague
- ✓ 3652, " " Tapirira myriantha Tr. et Pl. ?, is the rarely collected Huertea glandulosa R. et P. *Thymelaeaceae*.
- o herb. 4176, " " Connarus Patrisii (DC.) Planch., seems to be the very interesting Allosanthus trifoliolatus Radlk. (Sapindaceae), ex descr., previously unrepresented at Kew.

N.Y.S.

The Herbarium,
Royal Botanic Gardens,
Kew.

21st May, 1942.

G.
R. Klug

G

Reported by U.S.N.M., January 1944

1893. *Iresine polymorpha* var. *verticillata* f. *albonervosa* Süsseng. (type; reported as *I. spiculigera*)
✓ 1954. *Trichostigma peruvianum* (Moq.) H. Walt. (Det. Killip) ined.
2045. *Psychotria emetica* L. f. (Dist. as ~~Cephaelis~~ *Cephaelis plagiantha* Standl.)
c/ 2129. *Telitoxium peruvianum* Moldenke (type)
- 3923. *Xylopia densiflora* R. E. Fries (type; dist. as "*X. benthami*?")
o 4069. *Heterotrichum octonum* (Bonpl.) DC. (Det. Gleason)
4161. *Sorocea briquetii* Macbr. (Det. Killip; dist. as Euphorbiaceae.)
10083. *Epidendrum rectopendunculatum* C. Schweinf. (type)
10117. *Epidendrum magnicallosum* C. Schweinf. (type)
0.9. *Epidendrum latisegmentum* C. Schweinf. (type)

Euphorbiaceae; det. L. Croizat.

1704. *Dalechampia* cf. *juruana* Ule
2003. *Croton* cf. *tessmannii* Mansf.
2270. " " " "
t/ ~~3980x~~ 3980. *Croton tarapotensis* Muell. Arg. (not *C. palanostigma*)
4243. *Sebastiania huallagensis* Croizat (type)

Det. R. E. Schultes

1853. *Herrania nitida* var. *sphenophylla* R. E. Schultes (not *H. mariae*)
1930, 1933, 1935, 1937, 1946, 1947. *Paullinia yoco* Schultes & Killip
2069. *Herrania nycterodendron* R. E. Schultes

G.
K. Klug

Reported by U.S.N.M., January 1944

1893. *Iresine polymorpha* var. *verticillata* f. *albonervosa* Süsseng. (type; reported as *I. spiculigera*)
v/ 1954. *Trichostigma peruvianum* (Moq.) H. Walt. (Det. Killip) ined.
2045. *Psychotria emetica* L. f. (Dist. as ~~*Psychotria*~~ *Cephaelis plagiantha* Standl.)
c/ 2129. *Telitoxium peruvianum* Moldenke (type)
3923. *Xylopia densiflora* R. E. Fries (type; dist. as "*X. benthami*?")
4069. *Heterotrichum octonum* (Bonpl.) DC. (Det. Gleason)
4161. *Sorocea briquetii* Macbr. (Det. Killip; dist. as Euphorbiaceae.)
10083. *Epidendrum rectopendunculatum* C. Schweinf. (type)
10117. *Epidendrum magnicallosum* C. Schweinf. (type)
0.9. *Epidendrum latisegmentum* C. Schweinf. (type)

Euphorbiaceae; det. L. Croizat.

1704. *Dalechampia* cf. *juruana* Ule
2003. *Croton* cf. *tessmannii* Mansf.
2270. " " " "
~~3229~~ 3980. *Croton tarapotensis* Muell. Arg. (not *C. palanostigma*)
v/ 4243. *Sebastiania huallagensis* Croizat (type)

Det. R. E. Schultes

1853. *Herrania nitida* var. *sphenophylla* R. E. Schultes (not *H. mariae*)
1930, 1933, 1935, 1937, 1946, 1947. *Paullinia yoco* Schultes & Killip
2069. *Herrania nycterodendron* R. E. Schultes

Klug number 3157³¹⁵⁷⁻⁴

KLUG I - IV

1624. *Peperomia farctifolia* Trel. (type)
1731. *Dichromena persooniana* Nees (correction)
1765. *Piper piluliferifolium* Trel. (type)
1801. *Piper umbriense* Trel. (type)
1805. *Peperomia hebetata* Trel. (type)
1832. *Piper selenitifolium* Trel. (type)
1835. *Piper superjectum* Trel. (type)
1840. *Piper nemoricultrix* Trel. (type)
1996. *Paragonia pyramidata* (Rich) Bur. (Det. Standley)
2007. *Arrabidaea xanthophylla* (DC.) Bur. & Sch. (Det. Standley)
2036. *Arrabidaea florida* DC. (Det. Standley)
2037. *Petastoma reticulatum* Bur. & Sch. (Det. Standley)
2163. *Piper zubinetanum* Trel. (type)
2960. *Mikania klugii* Robinson (correction by Robinson)
3060. *Mikania parviflora* (Aubl.) Karst. (correction by B.C. Robinson)
2797. *Mikania platyphylla*, D.C. (det. Robinson)

- Klug 4, 12, 97, 259, 1121, 1124 *Carpotroche longifolia* (P. & E.) Benth.
7, 300, 953, 795 *Patrisia pyrifera* L.C. Rich.
1462 *Hasseltia laxiflora* (Benth.) Eichl.
1120 *Carpotroche brasiliensis* (Raddi) Endl.
1297 *Homalium racemosum* Jacq.
3, 98, 499, 545 *Casearia lasiosperma* Triana (ex descr.)
866 *Mayna echinata* Spruce
656, 814 *Laetia cupulata* Spruce
520 *Casearia javitensis* HBK.
227 " " HBK. var. *congestiflora* Eichler
365 *Casearia arborea* (Rich.) Urban
20 " (?) *Pavoniana Sleumer*
461 *Laetia suaveolens* (P. & E.) Benth.
495 " *procera* (!) (P. & E.) Eichler

Klug

- Senecio*
3279. *S. laricifolius* H.B.K.
3466. *S. klugii* Greenm. (type)

Cited by Greenman in
Ann. Mo. Bot. G. 25: 795

KLUG I - IV

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- ✓1765. *Piper piluliferifolium* Trel. (type)
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- ✓2036. *Arrabidaea florida* DC. (Det. Standley)
- ✓2037. *Petastoma reticulatum* Bur. & Sch.? (Det. Standley)
- ✓2163. *Piper zubinetanum* Trel. (type)

Malpighiaceae

Det. C. V. Morton.

- Klug 1654 *Tetrapteris magnifolia* (Ruiz) Griseb. (not *T. nitida*)
 " 1740 *Stigmaphyllon alternans* Tr. & Pl.
 " 1792 *Tetrapteris magnifolia* (Ruiz) Griseb. (not *T. nitida*)
 - " 1797 *Stigmaphyllon puberum* Juss.
 - " 1833 *Bunchosia fluminensis* Griseb.
 - " 2053 *Banisteria* (*Heteropteris*) *anomala* (Juss.)
 - " 2153 *Banisteria* (*Heteropteris*) *cristata* (Benth.)
 " 2519 *Byrsonima fluminensis* Ndzu. (not *Burdachia prismatocarpa*)
 " 2561 *Spachea tricarpa* Juss. (not *Burdachia prismatocarpa*)
 " 2636 *Tetrapteris peruviana* Morton ined. (not *T. discolor*)
 " 2789 is almost certainly a very distinct new species but our specimen has no flowers. ~~Who else has this?~~
 " 2940 *Banisteria* (*Heteropteris*) *acutifolia* (Juss.) (not *Tetrapteris squarrosa*)
 " 2919 *Byrsonima arthropoda* Juss. (not *B. fluminensis*)
 " 2968 *Stigmaphyllon convolvulifolium* (Cav.) Juss. (not *S. brachiatum*)
 " 2993 *Byrsonima arthropoda* Juss. (not *B. fluminensis*)
 " 3075 *Stigmaphyllon brachiatum* Tr. & Pl. (not *S. puberum*)
 " 3154 *Tetrapteris peruviana* Morton ined. (not *T. crispa*)
 " 3253 *Byrsonima chrysephylla* H.B.K. (not *B. spicata*)
 " 3255 *Tetrapteris calophylla* Juss. (not *T. nitida*)
 " 3329 *Banisteriopsis leptocarpa* (Benth.) Williams (not *Banisteria elegans*)
 " 3662 *Tetrapteris peruviana* Morton n. sp. type (not *T. discolor*)
 " 4052 *Mascagnia psilophylla* var. *peruviana* Ndzu.
 " 4259 *Mascagnia rigida* Griseb.
 " 4291 *Tetrapteris mucronata* Cav.

G. Klug. Revised identifications of Myristicaceae

by A. C. Smith.

1602. *Virola elongata* (Benth.) Warb.
2166. *Virola elongata* (Benth.) Warb.
✓ 2234. *Iryanthera lancifolia* Ducke
2663. *Dialyanthera parvifolia* Markgraf
2822. *Virola mollissima* (A. DC.) Warb.
2842. *Compsoneura Sprucei* (A. DC.) Warb.
2944. *Virola elongata* (Benth.) Warb.
2946. *Compsoneura Sprucei* (A. DC.) Warb.
3058. *Iryanthera juruensis* Warb.
3085. *Virola Pavonis* (A. DC.) A. C. Sm.
3128. *Virola mollissima* (A. DC.) Warb.
3713. *Virola Pavonis* (A. DC.) A. C. Sm.