

B. A. Krukoff's 4th Expedition to Brazilian Amazonia

First list of identifications

Krukoff

1843. *Memora flavida* (DC.) Bur. & K.Sch. (det. Sandwith)

2048. <i>Citharexylum Krukovii</i> Moldenke	TYPE NUMBER
2070. <i>Microlocia goyazensis</i> Pilger.	det. Gleason
4502. <i>Vitex cymosa</i> Bert.	det. Moldenke
4513. <i>Miconia nervosa</i> (Sm.) Triana	det. Gleason
4600. <i>Citharexylum Ulei</i> Moldenke	det. Moldenke
4704. <i>Vitex triflora</i> Vahl	" "
4711. <i>Trichilia Krukovii</i> Gleason	TYPE NUMBER
4837. <i>Miconia amplexans</i> (Crueg.) cogn.	det. Gleason
4930. <i>Petrea Martiana</i> Schau.	det. Moldenke
4931. <i>Ossaea boliviensis</i> (Cogn.) Gl.	det. Gleason
4948. <i>Miconia amplexans</i> (Crueg.) Cogn.	" "
4950. <i>Martiodendron macrocarpon</i> Gl.	" "
(Martia and Martiusia of Benth., homonym)	
4960. <i>Bixa excelsa</i> Gl.	TYPE NUMBER
5010. <i>Miconia eriocalyx</i> Cogn.	det. Gleason
5015. <i>Martiodendron macrocarpon</i> Gl.	TYPE NUMBER
5039. <i>Miconia grandifolia</i> Ule	det. Gleason
5049. <i>Miconia Matthaei</i> Naud.	" "
5054. <i>Parkia Ulei</i> (Harms) Kuhlman	" "
5060. <i>Aegiphila bracteolosa</i> Moldenke	det. Moldenke
5074. <i>Aciotis purpurascens</i> (Aubl.) Triana	det. Gleason
5077. <i>Miconia eriocalyx</i> Cogn.	" "
5118. <i>Miconia pteropoda</i> Benth.	" "
5120. <i>Miconia barbinervis</i> (Benth.) Triana	" "
5125. <i>Aegiphila filipes</i> Mart. & Schau	det. Moldenke
5145. <i>Adelobotrys</i> sp.	det. Gleason
5192. <i>Miconia scorpioides</i> (Achl. & Cham.) Naud.	" "
5199. <i>Miconia aulocalyx</i> Traill.	" "
5208. <i>Tococa capitata</i> Traill.	" "
5223. <i>Swietenia Krukovii</i> Gl.	TYPE NUMBER
5268. <i>Miconia chrysophylla</i> (Rich.) Urban	det. Gleason
5272. <i>Henriettella sylvestris</i> Gl.	TYPE NUMBER
5291. <i>Apeiba Tibourbou</i> Aubl.	det. Krukoff
5295. <i>Theobroma microcarpum</i> Mart.	" "
5347. <i>Miconia barbinervis</i> (Benth.) Triana	det. Gleason
5358. <i>Miconia nervosa</i> (Sm.) Triana	" "
5397. <i>Miconia juruebsis</i> Pilger	" "
5401. <i>Martiodendron macrocarpon</i> Gl.	" "
5499. <i>Mourira princeps</i> Naud.	" "
5478. <i>Mouriria ciliata</i> Gl.	TYPE NUMBER

5489. <i>Miconia amplexans</i> (Crueg.) Cogn.	det. Gleason
5495. <i>Torresia cearensis</i> Allemao	" "
5511. <i>Miconia eriocalyx</i> Cogn.	" "
5542. <i>Apoleya leiocarpa</i> (Vogel) Gl.	" "
(Apuleja praecox Mart.; generic homonym)	
5561. <i>Bernoullia swietenoides</i> Gl.	det. Gleason
5579. <i>Parkia multijuga</i> Benth.	" "
5580. <i>Bellucia multijuga</i> Benth.	" "
5585. <i>Tococa Guyanensis</i> Aubl.	" "
5609. <i>Bernoullia swietenoides</i> Gl.	TYPE NUMBER
5765. <i>Vitex triflora quinquefoliata</i> Mold.	" "
5778. <i>Diclidanthera octandra</i> Gl.	" "
5815. <i>Ryania sauricida</i> Gl.	" "

B. A. Krukoff's 4th Expedition to Brazilian Amazonia

Second list of identifications (Dec., 1934)

(The initial following names indicates as follows:

K. det. E. P. Killip NYS. det. N. Y. Sandwith
Suess. det. Dr. Karl Suessenguth B. det. Dr. M. Burret
All others det. by A. C. Smith, unless otherwise noted).

Nos. 2028 to 2081 were collected by R. Froes.

2036. *Clavijsa spinosa* (Vell.) Mez
2041. *Combretum leprosum* Mart.
2043. *Alseis latifolia* Gleason (TYPE NO.)
2046. *Cissus erosa* L. C. Rich.
2052. *Paepalanthus speciosus* (Bong) Koern. (Suess.)
2055. *Curatella americana* L.
2058. *Salvertia convallariodora* St. Hil.
2065. *Abuta concolor* P. & E.
2068. *Bombax*
2069. *Arrabidaea platyphylla* (Cham.) Bur. & K. Schum. (NYS)
2071. *Tabebuia ochracea* (Cham.) Sandw. (NYS)
2075. *Crotalaria stipularia* Desv. (K)
2076. " *pteroaula* Desv. (K)
2077. *Nectandra acutifolia* (Pav.) Mez
2078. *Lecythis Pisonis* Camb.

Nos. 4500 seq. were collected by B. A. Krukoff.

4504. *Passiflora quadriglandulosa* Rodsch (K)
4505. *Securidaca coriacea* Bonpl.
4506. *Guazuma ulmifolia* Lam. v. *glabra* Schum.
4507. *Trichostigma octandrum* (L.) H. Walt.
4508. *Canavalia boliviana* Piper (K)
4519. *Urera baccifera* (L.) Cand. (K)
4523. *Theobroma Mariae* (Mart.) Schum.
4527. *Bombax Munguba* Mart. & Zucc. (Suess. & Beyerle)
4530. *Psittacanthus Warmingii* Eichl.
4531. *Phthirusa theobromae* (Willd.) Eichl.
4532. *Clusia*
4533. *Securidaca coriacea* Bonpl.
4534. *Gymbosema roseum* Benth. (K)
4536. *Oxypetalum*
4537. *Psittacanthus cucullaris* (Lam.) Blume
4541. *Leonia cymosa* Mart.
4543. *Geonoma bella* Burret (TYPE NO.) (B)
4547. *Salacia aff. grandiflora* (Benth.) Peyr.
4548. *Matisia ochrocalyx* Schum.
4550. *Iryanthera Ulei* Warb.
4552. *Passiflora quadriglandulosa* Rodsch. (K)
4558. *Iryanthera macrophylla* (Benth.) Warb.
4559. *Salacia*
4560. *Iryanthera paraensis* Huber
4561. " " "

4563. *Cuphea speciosa* (Anders.) Kuntze
 4568. *Vismia cayennensis* (L.) Pers.
 4568. *Urera caracasana* subpeltata (Miq.) Wedd. (K)
 4579. *Acrodiolidium armeniacum* (Nees) Mez
 4580. *Ocotea subalpina* (Nees) Mez
 4583. *Eschweillera*
 4585. " *turbinata* (Berg) Nfz.
 4588. *Malvaviscus arboreus* (Cav.) Sw.
 4590. *Phoradendron platycaulon* Eichl.
 4592. " *pennivenium* (DC.) Eichl.
 4596. *Virola cuspidata* (Benth.) Warb. v. *membranacea* (DC.) Warb.
 4597. *Cismia obtusa* Spruce
 4599. *Erythrina Ulei* Harms (K)
 4604. *Triplaris*
 4606. *Alouea rubra* A. C. Smith (TYPE NO.)
 4607. *Combretum laxum* Jacq.
 4609. *Mucuna rostrata* Benth. (K)
 4611. *Limnocharis flava* (L.) Buchenau (Suess.)
 4619. *Strychnos*
 4623. *Iryanthera puruensis* Warb.
 4625. *Tapura amazonica* P. & E.
 4626. *Miconia*
 4630. *Lecythis hians* A. C. Smith
 4632. *Gloeospermum sphaerocarpum* Tr. & Pl.
 4636. *Rinorea racemosa* (Mart.) Kuntze
 4647. *Potalia amara* Aubl.
 4649. *Quilina*
 4652. *Nectandra laevis* Mez
 4653. *Salacia*
 4656. *Theobroma speciosum* Spreng.
 4657. *Virola calophylla* Warb.
 4658. *Sterculia pilosa* Ducke, ex char.
 4663. *Virola surinamensis* (Rol.) Warb.
 4665. *Capparis macrophylla* HBK.
 4667. *Coccoloba*
 4668. *Buettneria acuminata* Walld.
 4669. *Seguiera macrophylla* Benth.
 4671. *Heisteria cyanocarpa* P. & E., form
 4673. *Eliesarrhena grandifolia* (Eichl.) Diels
 4678. *Connarus Sprucei* Baker
 4685. *Didymopanax Morototoni* (Aubl.) Don. & Pl.
 4686. *Cordia trichoclada* DC. (K)
 4691. *Gustavia brasiliana* DC.
 4695. *Marogravia parviflora* Rich. v. *macrophylla* Wittm.
 4698. *Siparuna*
 4709. *Peittacanthus leptanthus* A. C. Smith (TYPE NO.)
 4713. *Virola calophylla* Warb.
 4714. *Endlicheria dysodantha* (R. & P.) Mez
 4715. *Coccoloba acuminata* HBK.
 4717. *Endlicheria dysodantha* (R. & P.) Mez
 4718. *Sterculia pruriens* (Aubl.) Schum.
 4719. *Matisia ochrocalyx* Schum.
 4720. *Abuta*

4724. *Aniba muca* (R. & P.) Mez
 4735. *Vismia latifolia* (Aubl.) Choisy
 4736. *Theobroma Cacao* L.
 4737. *Heisteria nitida* Engl.
 4739. *Eschweilera Krukovii* A. C. Smith
 4740. *Dialyanthera olacoides* A. C. Smith (TYPE NO.)
 4741. *Couroupita subsessilis* Pilger
 4747. *Nectandra dioica* Mez
 4754. *Chondodendron polyanthus* Diels
 4755. *Salacia*
 4757. *Buettneria coriacea* Britton
 4758. *Nectandra lucida* Nees
 4762. *Salacia laxiflora* (Benth.) Peyr.
 4765. *Rhedia macrophylla* (Mart.) Pl. & Tr.
 4767. *Endlicheria dysodantha* (R. & P.) Mez
 4770. *Persea inaequalis* A. C. Smith (TYPE NO.)
 4775. *Aniba juruensis* A. C. Smith (TYPE NO.)
 4783. *Ocotea costulata* (Nees) Mez?
 4784. *Quiina juruana* Ule, ex char.
 4788. *Cordia alliodora* (R. & P.) Cham. (K)
 4791. *Jacaratia digitata* (P. & E.) Solms
 4794. *Virola cuspidata* (Benth.) Warb. v. *membranacea* (DC.) Warb.
 4798. *Adenocalymna sclerophyllum* Sprague (NYS)
 4800. *Pleurothyrium nobile* A. C. Smith
 4802. *Virola cuspidata* (Benth.) Warb. v. *membranacea* (DC.) Warb.
 4807. *Dalbergia exastophyllum* (L.) Taub. (K)
 4808. *Sterculia excelsa* Mart.
 4811. *Lecythis hians* A. C. Smith (TYPE NO.)
 4812. *Caryocar glabrum* (Aubl.) Pers.
 4819. *Mollinedia Krukovii* A. C. Smith (TYPE NO.)
 4828. *Miconia*
 4836. *Securidaca Hostmanni* Miq.
 4839. *Ceiba Samauma* (Mart. & Zucc.) Schum?
 4843. *Salacia*
 4847. *Eschweilera Krukovii* A. C. Smith (TYPE NO.)
 4848. " *obversa* (Berg) Miers
 4853. *Hippocrates ovata* Lam.
 4854. *Helicocarpus*
 4855. *Endlicheria dysodantha* (R. & P.) Mez
 4868. *Clavijsa boliviensis* Mez
 4872. *Trichostigma octandrum* (L.) H. Walt.
 4881. *Terminalia Tanibouca* Sm.
 4886. *Caryocar barbinerve* Miq.?
 4887. *Tovomita Krukovii* A. C. Smith (TYPE NO.)
 4889. *Capparis macrophylla* HBK
 4891. *Agonandra silvatica* Ducke
 4897. *Passiflora menispermifolia* HBK (K)
 4899. *Rourea camptoneura* Radlk.
 4903. *Gouania acreana* Pilger
 4905. *Ocotea*
 4906. *Rourea camptoneura* Radlk.
 4910. *Virola mocca* (A. DC.) Warb.
 4919. *Rhedia floribunda* (Miq.) Pl. & Tr.
 4920. *Ocotea*

4921. *Dalbergia Spruceana* Benth. (K)
 4922. *Ocotea puberula* Nees
 4932. *Aniba juruensis* A. C. Smith
 4933. *Marogravia parviflora* Rich. v. *macrophylla* Wittm.
 4946. *Vismia*
 4947. *Virola elongata* (Benth.) Warb.
 4955. *Lacistema aggregatum* (Berg) Rusby
 4956. *Vantanea parviflora* Lam.
 4957. *Maytenus*
 4959. *Endlicheria dysodantha* (R. & P.) Mez
 4964. *Combretum laurifolium* Mart.
 4972. *Dialyanthera olacoides* A. C. Smith
 4979. *Siparuna*
 4982. *Clavijs*
 4985. *Heisteria Krukovii* A. C. Smith
 4990. *Connarus*
 4995. *Morisonia oblongifolia* Britton
 5016. *Apsiba*
 5021. *Mappia ampla* (Miers) Engl.
 5022. *Rinorea flavescens* (Aubl.) Kuntze
 5023. *Aniba Krukovii* A. C. Smith (TYPE NO.)
 5030. " *flexuosa* A. C. Smith (TYPE NO.)
 5035a. *Tapura amazonica* P. & E.
 5036. *Miconia*
 5049. *Tabebuia* (NYS)
 5062. *Nectandra lucida* Nees
 5065. *Salacia*
 5068. *Siparuna cervicornis* Perk.
 5071. *Tovomita micrantha* A. C. Smith (TYPE NO.)
 5072. *Sloanea*
 5073. *Quina*
 5080. *Mussatia Prieurei* (DC.) Bur. (NYS)
 5081. *Strychnos toxifera* Schomb. (NYS)
 5082. *Caryocar glabrum* (Aubl.) Pers
 5086. *Couratari pulchra* Sandwith
 5087. *Ocotea laxiflora* (Meisn.) Mez
 5091. *Siparuna sarmentosa* Perk.
 5095. *Cariniana micrantha* Ducke
 5096. *Sciadotenia brachypoda* Diels
 5098. *Ocotea*
 5100. *Cassipourea peruviana* Alston
 5102. *Rheedia Spruceana* Engl.
 5106. *Heisteria nitida* Engl.
 5110. *Matisia*
 5111. *Quararibea*
 5115. *Sterculia pilosa* Ducke, ex char.
 5121. *Pleurothyrium nobile* A. C. Smith (TYPE NO.)
 5126. *Tapura capitulifera* Baill.
 5141. *Hippocrates?*
 5147. *Tapura amazonica* P. & E.
 5150. *Malvaviscus integrifolius* Ulbrich, ex char.
 5154. *Rinorea racemosa* (Mart.) Kuntze
 5156. *Endlicheria formosa* A. C. Smith (TYPE NO.)
 5164. *Gloeospermum spazrocarpum* Tr. & Pl.
 5170. *Nectandra lucida* Nees
 5171. " *dioica* Mez

5176. *Couroupita surinamensis* Mart.
 5184. *Ocotea pauciflora* (Nees) Mez
 5191. *Crataeva Bentharii* Eichl.
 5206. *Seguiera macrophylla* Benth.
 5207. *Eschweilera coriacea* Mart?
 5210. *Lonchocarpus nicou* (Aubl.) DC. (K)
 5213. *Clavijsa gracilis* Mez
 5216. *Gallesia gorarema* (Vell.) Moq.
 5220. *Cordia alliodora* (R. & P.) Cham. (K)
 5221. *Silvia Ita-uba* (Meissn.) Mez
 5229. *Amphirrhox juruana* Ule, ex char.
 5230. *Sloanea reticulata* A. C. Smith
 5236. *Tephrosia toxicaria* (SW.) Pers. (K)
 5238. *Phthirusa platyclada* Ule
 5241. *Vismia cayennensis* (L.) Pers.
 5244. *Nectandra citrifolia* Mez & Rusby
 5248. *Siparuna guianensis* Aubl.
 5251. *Tabebuia* cf. *serratifolia* (Vahl) Nichols (NYS)
 5255. *Pleurothyrium Krukovii* A. C. Smith
 5257. *Nectandra lucida* Nees
 5261. *Helioecarpus popayanensis* HBK.
 5262. *Ocotea marmellensis* Mez
 5265. *Siparum grassiflora* Park.
 5267. *Cordia alliodora* (R. & P.) Cham. (K)
 5270. *Siparuna cervicornis* Perk.
 5271. *Lacistema aggregatum* (Berg) Rusby
 5277. *Triplaris*
 5279. *Ocotea albo-punctulata* Mez?
 5281. *Ocotea*
 5287. *Ouratea flexuosa* Rusby
 5297. *Iryanthera juruensis* Warb.
 5298. *Lacistema aggregatum* (Berg) Rusby
 5304. *Apeiba*
 5305. *Guazuma ulmifolia* Lam. v. *glabra* Schum.
 5308. *Ochroma boliviana* Rowlee
 5313. *Jacaranda* (NYS)
 5314. *Virola sebifera* Aubl.
 5317. *Silbia Ita-uba* (Meissn.) Mez
 5324. *Acrodiclidium brasiliense* Nees
 5333. *Triplaris surinamensis* Cham.
 5334. *Erythrina Poeppigiana* (Walp.) Cook (K)
 5335. *Clitoria amazonica* Mart. (K)
 5336. *Cordia scabrifolia* A. DC. (K)
 5337. *Sloanea*
 5339. *Nectandra laevis* Mez
 5341. *Jacaranda lasiogyne* Bur. & K. Schum. (NYS)
 5343. *Heisteria Krukovii* A. C. Smith (TYPE NO.)
 5345. *Cordia esculculata* Vell. (K)
 5347. *Miconia barbinervis* (Benth. Triana (H.A. Gleason,
 not 5374 as reported)
 5359. *Davilla*
 5363. *Passiflora coccinea* Aubl. (K)
 5381. *Tapura capitulifera* Baill.
 5385. *Erythroxylum amazonicum* Peyr.
 *5204. *Endlicheria dysodantha* (R. & P.) Mez

5388. *Theobroma grandiflorum* (Willd.) Schum.
 5391. *Rinorea racemosa* (Mart.) Kuntze
 5394. *Bixa orellana* L.
 5396. *Miconia juruensis* Pilger (H.A.Gleason, not 5397 as reported)
 5399. *Acrodielidium amarum* Mez
 5404. *Qualea*
 5405. *Gallesia gorarema* (Vell.) Meq.
 5406. *Ocotea tenella* A. C. Smith (TYPE NO.)
 5418. *Sloanea obtusa* (Splitg.) Schum.
 5421. *Sterculia pruriens* (Aubl.) Schum. v. *grandiflora* Ducke, ex char.
 5423. *Hippocratea*
 5425. *Ocotea amazonica* (Meisn.) Mez
 5429. *Ocotea*
 5431. *Morinsonia oblongifolia* Britton
 5434. *Leonia glycyarpa* R. & P.
 5437. *Abuta rufescens* Aubl.
 5438. *Erythroxylum venosum* Rusby
 5443. *Aristolochia Lagesiana* Ule
 5446. *Jacaratia digitata* (P. & E.) Solms
 5450. *Bombax*
 5453. *Adenocapymna* (NYS)
 5454. *Cuspidaria* aff. *ovalis* Rusby (NYS)
 5456. *Triplaris boliviana* Britton
 5459. *Mouriria princeps* Naud. (H. A. Gleason, not 5498 as reported).
 5460. *Combretum laxum* Jacq.
 5467. *Nectandra citrifolia* Mez & Rusby
 5471. *Sterculia apetala* (Jacq.) Karst.
 5473. *Rhacodia floribunda* (Miq.) Pl. & Tr.
 5476. *Cordia nodosa* Lam. (K)
 5479. *Coccoloba*
 5481. *Nectandra cissiflora* Nees
 5483. *Andira retusa* HBK. (K)
 5484. *Myroxylon balsamum* (L.) Harms (K)
 5492. *Virola calophylla* Warb.
 5494. *Vochysia*
 5497. *Cordia esculculata* Vell. (K)
 5508. *Morisonia oblongifolia* Britton
 5514. *Carica*
 5518. *Tabebuia* (NYS)
 5521. *Quina*
 5522. *Dialyanthera parvifolia* Mgf.
 5526. *Erythroxylum amazonicum* Peyr.
 5527. *Amphirrhox latifolia* Mart.
 5529. *Ocotea marmellensis* Mez
 5530. *Didymopanax Morototeni* (Aubl.) Dene. & Pl.
 5533. *Triplaris boliviana* Britton
 5537. *Hippocratea volubilis* L.
 5540. *Clavija tarapotana* Mez
 5543. *Ocotea amazonica* (Meisn.) Mez
 5550. *Coccoloba polystachya* Wedd.
 5555. *Erythroxylum amazonicum* Peyr.
 5557. *Erythrina Poeppigiana* (Walp.) Cook (K)
 5563. *Pleurothyrium Krukovi* A. C. Smith (TYPE NO.)
 5568. *Mariniana excelsa* Casar.

5572. *Scheelea insignis* (Mart.) Karst. (B)
 5575. *Salacia juruana* Loes., ex char.
 5588. *Potalia amara* Aubl.
 5591. *Symphonia globulifera* l.f.
 5597. *Cariniana domestica* (Mart.) Miers
 5598. *Sterculia elata* Ducke?
 5601. *Aniba elliptica* A.C. Smith (TYPE NO.)
 5603. *Eriama*
 5604. *Leonia cymosa* Mart.
 5606. *Lacistema aggregatum* (Berg) Rusby
 5611. *Ouratea coccinea* (Mart.) Engl.
 5612. *Clytostoma* (NYS)
 5613. *Hippocratea*
 5618. *Scheelea* cf. *insignis* (Mart.) Karst. (B)
 5620. *Phoebe*
 5621. *Cavanillesia hylogeiton* Ulbrich
 5622. *Scheelea insignis* (Mart.) Karst. (B)
 5625. *Tapura capitulifera* Baill.
 5628a. *Struthanthus syringifolius* Mart.
 5634. *Sterculia pruriens* (Aubl.) Schum.
 5637. *Tabebuia* (NYS)
 5638. *Couratari macrosperma* A. C. Smith
 5648. *Ceiba pentandra* (L.) Gaertn.
 5656. *Leonia glycyarpa* R. & P.
 5658. *Triplaris*
 5659. *Coccoloba lepidota* A. C. Smith
 5660. " " " (TYPE NO.)
 5664. *Sloanea obtusa* (Splitg.) Schum.
 5665. *Crataeva Bentharii* Eichl.
 5666. *Coccoloba acuminata* HBK.
 5668. *Salacia juruana* Loes., ex char.
 5671. *Strychnos*
 5672. *Cordia scabrifolia* A. DC. (K)
 5677. *Couroupita peruviana* Miers
 5680. *Nectandra cuneato-cordata* Mez
 5681. *Clusia*
 5687. *Couratari macrosperma* A. C. Smith
 5695. *Gustavia brasiliensis* DC.
 5698. *Combretum assimile* Euehl.
 5702. *Merisonea oblongifolia* Britton
 5712. *Terminalia obovata* (R. & P.) Steud.
 5714. *Ocotea pretiosa* (Nees) Mez
 5719. *Clitorea amazonum* Mart. (K)
 5721. *Quararibea* Ducke Huber?
 5722. *Pleurothrium Krukovichii* A. C. Smith
 5724. *Ocotea*
 5727. *Combretum laxum* Jacq.
 5730. *Passiflora Rusbyi* Mast. (K)
 5731. *Salacia juruana* Loes., ex char.
 5739. *Iriartea* cf. *cometo* (Karst.) H. Wendl. (B)
 5741. *Eschweilera coriacea* Mart.
 5742. *Ocotea*
 5746. *Aptandra Spruceana* Miers

5748. *Erythroxylum amazonicum* Peyr.
 5755. *Eschweillera coriacea* Mart.
 5756. *Strychnos*
 5757. *Nectandra superba* A. C. Smith (TYPE NO.)
 5758. *Jessenia* cf. *bataua* (Mart.) Burret (B)
 5759. *Theobroma grandiflorum* (Willd.) Schum.
 5760. *Nectandra lucida* Nees
 5763. *Ceiba*?
 5771. *Ouratea coccinea* (Mart.) Engl.
 5775. *Tournefortia bicolor* Sw. (K)
 5780. *Endlicheria bullata* Ducke
 5786. *Abuta concolor* P. & E., sens. lat.
 5788. *Capparis magnifica* Gilg.
 5791. *Ruprechtia obidensis* Huber
 5792. *Ouratea flexuosa* Rusby
 5799. *Tetracera aspera* (Aubl.) Willd.
 5804. *Marcgravia*? *chicha* (HBK) Verl. (NYS)
 5806. *Phytolacca rivinoides* Kunth & Bouche
 5813. *Ptychopetalum uncinatum* Anselmino
 5819. *Cariniana Kuhlmannii* Ducke
 5821. *Eschweillera*
 5824. *Caryocar barbinerve* Miq?
 5825. *Ptychopetalum uncinatum* Anselmino
 5826a. *Aniba canelilla* (HBK) Mez
 5827a. " *affinis* (Meissn.) Mez
 5828. *Erythroxylum testaceum* Peyr?

Corrections of previous determinations:

Krukoff

1192. *Marcgravia parviflora* Rich. v. *macrophylla* Wittm.
not *M. umbellata*
1253. *Mollia intricata* Baehni, not *M. speciosa* (corr. by Baehni)
1293. *Eschweilera obtecta* (Miers) A. C. Smith, not *E. coriacea*
1630. *Clavijsa gracilis* Mez, not *C. chermontiana*

Froes

1868. *Eschweilera apiculata* (Miers) A. C. Smith, not *E. obversa*

B. A. Krukoff's 4th Expedition to Brazilian Amazonia

Third list of determinations (Feb., 1935)

(The initial following names indicates as follows:

PCS. det. P. C. Standley

REF. det. R. E. Fries

CVM. det. C. V. Morton

All others det. by A. C. Smith, unless otherwise noted).

Nos. 2028 to 2081 were collected by R. Froes.

2028. *Ipomoea crassicaulis* (Benth.) Robins.
2030. *Echinodorus subulatus* (Mart.) Griseb.
2031. *Tecoyena brasiliensis* Schum. (PCS)
2032. *Zanthoxylum rhoifolium* Lam.
2033. *Ipomoea digitata* L.
2037. *Calipea trifoliata* Aubl.
2051. *Melia azederach* L.
2053. *Ucrania longifolia* Spreng. (PCS)

Nos. 4500 seq. were collected by B. A. Krukoff.

4509. *Calonyction aculeatum* (L.) House
4511. *Solanum pulchrum* Dunal? (CVM)
4520. *Dichorisandra hexandra* (Aubl.) Ktze.
4521. *Psychotria marginata* Sw.
4524. *Calathea comosa* (L.f.) Schum.
4535. *Solanum pensile* Sendtn (CVM)
4538. *Allophylus amazonicus* (Mart.) Radlk.
4539. *Elaterium amazonicum* Mart.
4546. *Carludovica trigona* R. & P.
4549. *Guarea alborosea* Rusby
4551. *Calathea peruviana* Koern?
4555. *Conomorpha utiarityi* Hoehne
4556. *Guarea*
4562. *Paullinia capreolata* (Aubl.) Radlk.
4564. *Somnera sabiceoides* Schum. (PCS)
4567. *Costus*
4569. *Solanum campaniforme* R. & S.
4571. *Chamissoa Maximiliani* Mart. (PCS)
4574. *Chamissoa macrocarpa* HBK. (PCS)
4581. *Neea macrophylla* P. & E. (PCS)
4582. *Ipomoea*
4586. *Cayaponia*
4587. *Solanum*
4593. *Coussarea longiflora* Muell. Arg. (PCS)
4594. *Stylogyne cauliflora* (Mart. & Miq.) Mez
4601. *Allophylus punctatus* (P. & E.) Radlk.
4608. *Guarea trichilioides* L.
4612. *Pfaffia paniculata* (Spreng.) Kuntze (PCS)
4613. *Eucharis Ulei* Kraenzl.
4615. *Alibertia edulis* (L. Rich.) A. Rich? (PCS)
4619. *Strychnos Poeppigii* Prog. (N. Y. Sandwith)
4622. *Rudgea* cf. *amazonica* Muell. Arg. (PCS)
4624. *Protium carnosum* A. C. Smith (TYPE COLL.)

4627. *Matayba arborescens* (Aubl.) Radlk.
 4631. *Trichilia Cardenasii* Rusby
 4635. *Neea cauliflora* Heimerl (PCS)
 4637. *Eucharis Ulei* Kraenzl.
 4641. *Paullinia elegans* Camb?
 4642. *Solanum mits* R. & P. (CVM)
 4643. *Duroia hirsuta* (P. & E.) Schum. (PCS)
 4644. *Neea cauliflora* Heimerl (PCS)
 4648. *Faramea maynensis* Spruce (PCS)
 4651. *Stylogyne serpentina* Mez
 4654. *Paullinia reticulata* Radlk.
 4659. *Trichilia macrophylla* Benth.
 4660. *Dichorisandra*
 4666. *Lucuma anibaefolia* A. C. Smith
 4675. *Parathesis amazonica* Mez
 4676. *Paullinia scabra* Benth.
 4681. *Mimusops*
 4682. *Stachyococcus adinanthus* Standl. (PCS)
 4687. *Toulicia reticulata* Radlk.
 4689. *Palicourea condensata* Standl. (PCS)
 4699. *Psychotria viridis* R. & P. (PCS)
 4702. *Matayba* aff. *inelegans* (Spruce) Radlk.
 4703. *Protium divaricatum* (Poepp.) Engl.
 4710. *Hamelia patens* Jacq. (PCS)
 4716. *Trichilia Cardenasii* Rusby
 4721. *Posoqueria longiflora* Aubl. (PCS)
 4722. *Anthurium*
 4723. *Anacardium microcarpum* Ducke?
 4729. *Aniseia martinicensis* (Jacq.) Choisy
 4730. *Faramea anisocalyx* P. & E. (PCS)
 4731. *Cathadra acuminata* (Benth.) Miers?
 4732. *Faramea breviflora* Benth. (PCS)
 4738. *Picramnia Spruceana* Engl.
 4743. *Lucuma*
 4745. *Mimusops excelsa* Ducke
 4750. *Talisia obovata* A. C. Smith
 4752. *Monstera Spruceana* (Schott) Engl.
 4753. *Alibertia curviflora* Schum? (PCS)
 4761. *Guarea Rusbyi* (Britton) Rusby
 4763. *Trichilia*
 4768. *Calycophyllum Spruceanum* (Benth.) Hook. f. (PCS)
 4771. *Gloeospermum sphaerocarpum* Tr. & Pl.
 4776. *Carapa guianensis* Aubl.
 4777. *Heteropsis longispathacea* Engl.
 4779. *Neea hirsuta* P. & E. (PCS)
 4780. *Psychotria Ernesti* Krause (PCS)
 4782. *Rudgea loretensis* Standl. (PCS)
 4792. *Faramea anisocalyx* P. & E. (PCS)
 4793. *Rudgea loretensis* Standl. (PCS)
 4816. *Protium Riedelianum* Engl.
 4818. *Paullinia grandifolia* Benth.
 4821. *Bertiera guianensis* Aubl. (PCS)
 4822. *Neea Spruceana* Heimerl (PCS)
 4824. *Cephaelis iodotricha* (Muell. Arg.) Standl. (PCS)
 4830. *Rudgea ciliata* (R. & P.) Spreng? (PCS)
 4833. *Philodendron Krukovi* Gleason
 4835. *Saxo-Fridericia australia* Gleason

4840. *Talisia megaphylla* Sagot ex char.
 4841. *Paullinia reticulata* Radlk.
 4850. *Posoqueria longiflora* Aubl. (PCS)
 4851. *Monstera falcifolia* Engl.
 4856. *Picramnia*
 4858. *Paullinia latifolia* Benth. vel aff.
 4862. *Psychotria albobiridula* Krause (PCS)
 4864. *Hamelia patens* Jacq. (PCS)
 4866. *Faramea rectinervia* Standl? (PCS)
 4870. *Psychotria santaremica* Muell. Arg. (PCS)
 4874. *Lycianthes hypomalaca* Bitt. (OVM)
 4875. *Faramea anisocalyx* P. & E. (PCS)
 4882. *Crematosperma polyphlebium* (Diels) R. E. Fr. (REF)
 4888. *Chrysophyllum excelsum* Huber
 4892. *Solanum asperrimum* Moritz (OVM)
 4893. *Girania spirulosa* (P. & E.) Cogn.
 4894. *Psychotria rhodantha* Standl. (PCS)
 4896. *Heliconia acuminata* L. C. Rich.
 4898. *Warszewiczia coccinea* (Vahl) Kl. (PCS)
 4900. *Stachyococcus adinanthus* Standl. (PCS)
 4909. *Matayba*
 4911. *Protium Riedelianum* Engl.
 4912. *Duguetia Spixiana* Mart. (REF)
 4914. *Teulicia reticulata* Radlk.
 4918. *Randia formosa* (Jacq.) Schum. (PCS)
 4926. *Carludovica tetragonopus* Mart.
 4927. *Anthurium*
 4928. *Psychotria racemosa* (Aubl.) Willd. (PCS)
 4940. *Psychotria microcephala* Willd. (PCS)
 4952. *Diplasia kerataefolia* Pers. (H.K. Svenson)
 4961. *Monotagma angustissimum* Loes.
 4965. *Monotagma secundum* (Peters.) K. Schum.
 4968. *Protium giganteum* Engl.
 4973. *Psychotria albobiridula* Krause (PCS)
 4974. *Rudgea Dahlgrenii* Standl. (PCS)
 4975. *Crematosperma cauliflorum* R. E. Fr. (REF)
 4979. *Paullinia subnuda* Radlk.
 4981. *Talisia obovata* A. C. Smith (TYPE COLL.)
 4986. *Allophylus dioicus* (Nees & Mart.) Radlk.
 4997. *Dracontium Ulei* Krause?
 4993. *Carludovica trigona* R. & P.
 4998. *Solanum*
 5001. *Trichilia macrophylla* Benth.
 5003. *Diospyros juruensis* A. C. Smith (TYPE COLL.)
 5004. *Trichilia viridis* Rusby
 5006. *Solanum* (*Leiodendron*) (OVM)
 5007. *Allophylus dioicus* (Nees & Mart.) Radlk.
 5009. *Lucuma anibaefolia* A. C. Smith
 5011. *Trichilia*
 5012. *Protium laxiflorum* Engl.
 5013. *Lucuma*
 5017. *Thryso-dium Spruceanum* Benth. vel aff.
 5020. *Cassipourea guianensis* Aubl.
 5024. *Neea Spruceana* Heimerl (PCS)
 5025. *Dieffenbachia*
 5026. *Psychotria viridis* R. & P. (PCS)
 5028. *Anthurium panduratum* Mart.
 5029. *Dichorisandra*
 5031. *Montagma angustissimum* Loes.

5034. *Lucuma pariry* Ducke ex char.
 5035. *Guarea Rusbyi* (Britton) Rusby
 5043. *Solanum loretoanum* Bitter (CVM)
 5044. *Genipa americana* L. (PCS)
 5049. *Anaxagorea Krukoffii* R.E.Fries (TYPE COLL.)
 5050. *Guatteria*
 5063. *Protium tenuifolium* Engl.
 5064. *Protium multiflorum* Engl. vel aff. (TYPE COLL.)
 5083. *Protium rigidum* A. C. Smith
 5088. *Solanum*
 5092. *Cupania scrobiculata* L. G. Rich.
 5103. *Guarea membranacea* Rusby
 5106. *Lucuma Galmito* (R. & P.) A. CD.
 5114. *Randia armata* (Sw.) DC. (PCS)
 5119. *Ramelia patens* Jacq. (PCS)
 5124. *Lucuma anibaefolia* A. C. Smith
 5129. *Monstera falcifolia* Engl.
 5130. *Psychotria viridis* R. & P. (PCS)
 5135. *Calathea*
 5137. *Fevillea cordifolia* L.
 5138. *Faramea rectinervia* Standl? (Pos)
 5139. *Cardiospermum grandiflorum* Sw.
 5140. *Smilax Poeppigii* Kunth
 5143. *Renealmia strobilifera* P. & E.
 5144. *Anthurium Buchtenii* Krause
 5151. *Anthurium Kunthii* P. & E.
 5152. *Neea hirsuta* P. & E. (PCS)
 5153. *Anona muricata* L. (REF)
 5159. *Miconia guianensis* Aubl.
 5160. *Alibertia curviflora* Schum? (PCS)
 5163. *Lucuma ephedrantha* A. C. Smith
 5169. *Gloeospermum sphaerocarpum* Tr. & Pl.
 5177. *Lucuma excelsa* A. C. Smith (TYPE COLL.)
 5178. *Unonopsis*
 5181. *Ozandra acuminata* Diels (REF)
 5182. *Ecclinusa*
 5183. *Cupania scrobiculata* L. G. Rich.
 5189. " " "
 5194. *Trichilia*
 5195. *Ixora Spruceana* Benth. (PCS)
 5196. *Neea Spruceana* Heimerl (PCS)
 5200. *Solanum urceolatum* Pers? (CVM)
 5209. *Fevillea cordifolia* L.
 5214. *Zanthoxylum*
 5215. *Sapindus Seponaria* L. f. *inaequalis* (DC.) Radlk.
 5222. *Macrocnemum roseum* (R. & P. Wedd. (PCS)
 5224. *Cupania scrobiculata* L. G. Rich.
 5225. *Guarea*
 5234. *Scutellaria leucantha* Loes.
 5240. *Simaruba amara* Aubl.
 5245. *Melnea* aff. *Raimondii* (Diels) R.E.Fr. (Ref)
 5247. *Toulicia reticulata* Radlk.
 5249. *Trichilia Cardenasii* Rusby
 5253. *Guatteria*
 5259. *Pallidocarya condensata* Standl. (PCS)
 5263. *Guarea*
 5276. *Simaba floribunda* St. Hil. ex char.
 5283. *Sideroxylon bolivianum* Rusby

5384. *Brunfelsia bonodora* (Vell.) Macbr.
 5385. *Cestrum calycinum* Willd. (CVM)
 5386. *Allophylus punctatus* (P. & E.) Radlk.
 5388. *Cestrum*
 5394. *Arona Ambotay* Aubl. forma (REF)
 5396. *Neea floribunda* P. & E. (PCS)
 5399. *Porcellia Steinbachii* Diels? (REF)
 5302. *Hollinedia*
 5311. *Allophylus floribundus* (P. & E.) Radlk.
 5315. *Hollinia calcarata* R. E. Fr. (TYPE COLL.)
 5318. *Sarcaulus macrophyllus* (Mart.) Radlk.
 5319. *Guarea purusana* C. DC. ex char.
 5322. *Olycoxylon* aff. *Huberi* Ducke
 5325. *Tapirira guianensis* Aubl.
 5326. *Onychopetalum Kruckhoffii* R. E. Fries (TYPE COLL.)
 5329. *Dialyanthera parvifolia* Mg.
 5330. *Toulicia reticulata* Radlk.
 5331. *Oxandra Riedeliana* R. E. Fr. (REF)
 5338. *Sideroxylon bolivianum* Rusby
 5344. *Neea cauliflora* Hieron (PCS)
 5346. *Pfiaffia grandiflora* (Hook.) Fries (PCS)
 5350. *Neea macrophylla* P. & E. (PCS)
 5353. *Anthurium panduratum* Mart.
 5357. *Solanum sessile* R. & P. (CVM)
 5360. *Protium?*
 5370. *Paullinia scabra* Benth.
 5371. *Solanum*
 5372. *Psychotria Mathewsii* Standl. (PCS)
 5375. *Randia formosa* (Jacq.) Schum. v. *longiflora* (R. & P.) Schum. (PCS)
 5383. *Philodendron megalophyllum* Schott
 5387. *Guarea purusana* C. DC. ex char.
 5390. *Duguetia lucida* Urb. vel aff. (REF)
 5397. *Lucuma excelsa* A. C. Smith
 5400. *Cedrela odorata* L.
 5403. *Guarea*
 5407. *Coussarea longiflora* Muell. Arg (PCS)
 5409. *Trichilia*
 5411. *Trichilia Cardenasii* Rusby
 5413. *Alibertia edulis* (L. Rich.) A. Rich? (PCS)
 5416. *Calycophyllum Spruceanum* (Benth.) Hook. f. (PCS)
 5420. *Psychotria viridis* R. & P. (PCS)
 5422. *Lucuma ophedrantha* A. C. Smith (TYPE COLL.)
 5427. *Allophylus punctatus* (P. & E.) Radlk.
 5435. *Sideroxylon bolivianum* Rusby
 5436. *Sickingia tinctoria* (HBK.) Schum? (PCS)
 5447. *Randia armata* (Sw.) DC. (PCS)
 5448. *Solanum coriaceum* Bunal? (CVM)
 5449. *Chromolaena?*
 5451. *Trichilia Cardenasii* Rusby
 5458. *Asphixanthos?*
 5462. *Psychotria albobiridula* Krauss (PCS)
 5463. *Psychotria viridis* R. & P. (PCS)
 5475. *Darcia hirsuta* (P. & E.) Schum (PCS)
 5480. *Zanthoxylum*
 5486. *Protium giganteum* Engl.
 5496. *Mimusops excelsa* Ducke
 5500. *Heliconia acuminata* L. C. Rich.
 5501. *Ixora Spruceana* Benth (PCS)

5503. *Monstera falcifolia* Engl.
 5504. *Paullinia selenoptera* Radlk.
 5505. *Paullinia elegans* Camb?
 5509. *Heliconia cannoidea* L. C. Rich.
 5510. *Solanum loretoanum* Bitter (GVM)
 5512. *Quararia malacophylla* Barb. Rodr. ex char.
 5517. *Esenbeckia coriacea* A. C. Smith
 5520. *Cinchona amazonica* Standl. (POS)
 5523. *Opuntia scrobiculata* L. C. Rich.
 5524. *Macronema roseum* (R. & P. Wedd. (POS)
 5528. *Physocalymma scaberrimum* Pohl
 5531. *Sideroxylon bolivianum* Rusby
 5532. *Anaxagorea mutica* R. E. Fr. (REF)
 5534. *Lucuma excelsa* A. C. Smith
 5535. *Buettneria*
 5539. *Stenospermantium?*
 5544. *Coussarea longiflora* Muell. Arg. (POS)
 5546. *Heliconia cannoidea* L. C. Rich.
 5556. *Duguetia Tessmannii* R. E. Fr. (REF)
 5558. *Protium*
 5560. *Toulicia reticulata* Radlk.
 5565. *Tapirira guianensis* Aubl.
 5566. *Porcelia Steinbachii* Diels (REF)
 5573. *Eucharis Ulei* Kraenzl.
 5578. *Sapindus saponaria* L. f. *inaequalis* (DC.) Radlk.
 5589. *Guatteria*
 5590. *Ixora peruviana* (Spruce) Standl. (POS)
 5593. *Chrysophyllum acreanum* A. C. Smith (TYPE COLL.)
 5595. *Lucuma anibaefolia* A. C. Smith
 5600. *Opuntia scrobiculata* L. C. Rich.
 5610. *Fevillea cordifolia* L.
 5615. *Picramnia Krukovii* A. C. Smith
 5616. *Ixora Spruceana* Benth. (POS)
 5626. *Trichilia*
 5628. *Oxandra polyantha* R. E. Fries (TYPE COLL.)
 5630. *Talisia cupularis* Radlk. ex char.
 5632. *Malsma dielina* R. E. Fries (TYPE COLL.)
 5641. *Terminalia oblonga* (R. & P.) Poir
 5642. *Heisteria*
 5646. *Monstera pertusa* (L.) de Vries
 5649. *Alibertia edulis* (L. Rich.) A. Rich. (POS)
 5652. *Anona montana* Macf. (REF)
 5653. *Maba myrmecocarpa* (Mart.) Hieron
 5662. *Stylogyne cauliflora* (Mart. & Miq.) Mez
 5667. *Pfaffia paniculata* (Spreng.) Kuntze (POS)
 5669. *Trichilia*
 5670. *Guarea trichilioides* L.
 5671. *Strychnos* cf. *tarapotensis* Sprague & Sandw. (N.Y. Sandwith)
 5673. *Pfaffia paniculata* (Spreng.) Kuntze (POS)
 5674. *Trichilia*
 5679. *Picramnia Krukovii* A. C. Smith (TYPE COLL.)
 5684. *Tapirira myriantha* Tr. & Pl.
 5685. *Duroia hirsuta* (P. & E.) Schum. (POS)
 5690. *Xylopia punctata* R. E. Fries (TYPE COLL.)
 5691. *Trichilia*
 5699. *Fevillea cordifolia* L.
 5700. *Lucuma Krukovii* A. C. Smith (TYPE COLL.)
 5701. *Sarcocaulus macrophyllus* (Mart.) Radlk.
 5704. *Xylopia polyantha* R. E. Fr. var. *longesericea* R. E. Fries (TYPE COLL.)

5706. *Oxandra Riedeliana* R. E. Fr. (REF)
 5707. *Guatteria*
 5711. *Lucuma rivicola* Gaertn.
 5715. *Crepidospermum rhoifolium* (Benth.) Tr. & Pl.
 5716. *Miquartia guianensis* Aubl.
 5718. *Cathedra acuminata* (Benth.) Miers
 5725. *Talisia cupularis* Radlk. ex char.
 5735. *Alibertia hadrantha* Standl. (TYPE COLL.)
 5736. *Protium laxiflorum* Engl.
 5737. *Leonia glycyarpa* R. & P.
 5738. *Duguetia Spixiana* Mart. (REF)
 5740. *Psychotria alboviridula* Krause (PCS)
 5745. *Trichilia*
 5747. *Maytenus*
 5749. *Anaxagorea mutica* R. E. Fr. (REF)
 5751. *Euettneria catalpifolia* Jacq.
 5753. *Cybianthus psychotriaefolius* Rusby
 5767. *Spondias lutea* L.
 5769. *Anona hypoglauca* Mart. (REF)
 5774. *Monstera falcifolia* Engl.
 5777. *Cestrum*
 5779. *Alibertia curviflora* Schum? (PCS)
 5782. *Protium*
 5789. *Protium*
 5796. *Dicranostyles holostyla* Ducke
 5797. *Solanum sessile* R. & P.
 5809. *Carludovica palmata* R. & P.
 5814. *Ecclinusa sanguinolenta* Pierre
 5816. " " "
 5834A. *Guarea Bangii* Rusby?
 5827. *Guarea Bangii* Rusby
 5830. *Psychotria xanthocephala* Muell. Arg. (PCS)
 5833. *Paullinia xestophylla* Radlk?
 5834. *Paullinia*
 5839. *Conomorpha peruviana* DC.
 5883. *Dichorisandra*
 5884. *Saxo-Fridericia australis* Gleason
 5886. *Coccoloba*
 5888. *Renealmia strobilifera* P. & E.
 5889. *Anthurium panduratum* Mart.
 5890. *Monstera falcifolia* Engl.
 5891. *Anthurium Kunthii* P. & E.
 5958. *Mimusops*

Supplement, and corrections of earlier lists:

- 1276, 1277. *Ecclinusa sanguinolenta* Pierre, no *Lucuma*
 1322. *Lucuma pariry* Ducke ex char.
 1378. *Protium Riedelianum* Engl., not *Protium carana*
 1419. *Sarcaulus macrophyllus* (Mart.) Radlk.
 1563. *Tetragastris phanerosepala* Sandwith, not *Protium Riedelianum*
 1966 (Froes). *Simaruba amara* Aubl., not *S. glauca*
 4526. *Anona hypoglauca* Mart. (REF)
 4628. *Oxandra macrophylla* R. E. Fr. (REF)
 4664. *Guatteria*
 4700. *Anaxagorea megalophylla* R. E. Fr. (REF)
 4711. *Trichilia viridis* Rusby, not *Trichilia Krukovi*
 4748. *Crematosperma cauliflorum* R. E. Fr. (REF)
 4805. *Duguetia odorata* (Diels) Macbr. (REF)
 4806. *Unonopsis*
 4813. *Oxandra xylopioides* Diels (REF)



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