

TWO NEW SPECIES OF BRAZILIAN PHILODENDRON (ARACEAE)

George S. Bunting

***Philodendron kautskyi* Bunt., sp. nov.**

Herba scandens. Caulis 1.8 cm diam. internodiis ad 2 cm longis. Petiolus teres 19-23.5 cm longus 0.8 cm crassus (in medio), parte vaginata 5-6 cm longa ala altera 0.8 cm lata. Foliorum lamina subcoriacea ambitu late ovata vel cordiformis 25.5 cm longa 22.5 cm lata (in loco 1 cm supra basim costae), ad apicem obtusa abrupte et breviter acuminata, ad basim profunde cordata lobis posticis rotundatis sinu parabolico 9 cm longo sejunctis, adaxiale nitida intense viridis costa convexa, abaxiale vix nitida, nervis lateralibus 1. utrinque 4 sub angulo ca. 55° abeuntibus, uterque costula in sinu per 1.5-2 cm nuda nervis principalibus latere exteriori 2. Inflorescentia solitaria [specimine ante anthesin]. Pedunculus 4 cm longus. Spatha 12.5 cm longa (quam spadix 1.2 cm longiora), extra ubique viridis, intra viridula, tubo plus minusve fusiformi. Flores pistillati 3.5 cm longi, stylo gracili ovarium globoideum paulum superanti, stigmate globoso, ovario 8-10-loculari, ovulis in quoque loculo 5 (4-6) basim versus centraliter affixis.

TYPUS: George S. Bunting B82-29. Domingos Martins, Espirito Santo, BRAZIL, ca. 800 m. February, 1982 [Holotypus: NY]. The specimen was collected by Mr. Roberto Kautsky and brought to me in Rio de Janeiro by Mr. Luiz Knud Correia de Araujo; both gentlemen are dedicated plantsmen.

Although *P. kautskyi* clearly pertains to the subgenus *Philodendron*, the ovary characters do not correspond well to any of the sections of the genus as circumscribed by Krause (Pflanzenreich [Engler]. Heft 60. 1913).

***Philodendron spiritus-sancti* Bunt., sp. nov.**

Herba scandens. Caulis 60 cm vel ultra longus 4.5 cm diam. internodiis brevissimis (0.5 cm) attamen cicatricibus foliorum delapsorum ca. 1.8 cm diam. Petiolus abaxiale rotundatus, adaxiale late canaliculatus, apicem versus semiteres adaxiale plus minusve convexus, 53 cm longus 0.9 cm crassus (in medio), sordide luteo-viridis multis maculis ellipticis viosis et abaxiale vinaceo-suffusus, per 10 cm superiores atrovinosus, parte vaginata 9-11 cm longa alis ochraceis. Foliorum lamina subcoriacea, plana attamen margine revoluta et vinoso (1 mm), ambitu longe triangularis basim versus lobi antichi aliquantum repanda, ad apicem acuminata (1-1.5 cm) ad basim sagittata, usque 80 cm longa trans apicem loborum posteriorum 16 cm lata, trans insertionem petioli 15 cm lata, in medio lobi antichi 12 cm lata; lobi postici oblongo-longe triangulares usque 15.5 cm longi 4.7 cm lati et 18 cm longi 4.3 cm lati (in folio eodem) sinu longe triangulari 15 cm longo sejuncti; abaxiale ubique vinosa ner-

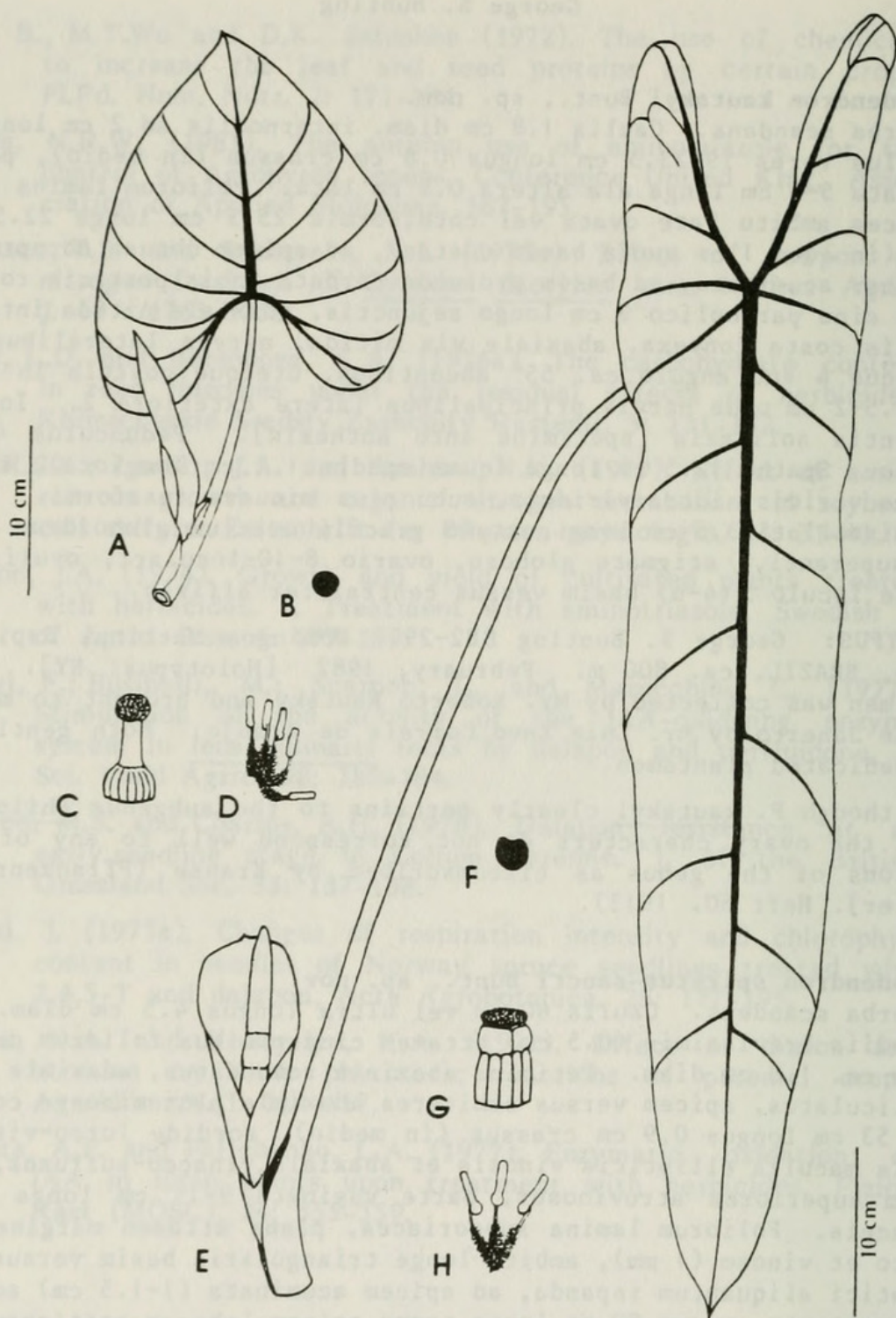


Fig. A-D, *Philodendron kautskyi* Bunt. A, leaf and inflorescence, much reduced; B, cross-section of petiole at midpoint, ca. 1/2; C, pistil, enlarged; D, ovules from a single locule, much enlarged. Fig. E-H, *P. spiritus-sancti* Bunt. E, leaf and inflorescence, much reduced; F, cross-section of petiole at midpoint, ca. 1/2; G, pistil, enlarged; H, ovules from a single locule, much enlarged.

vatione vinosa obscuriore, costa valde convexa; adaxiale impolita intense viridis nervatione flavo-virenti, costa plana vel vix convexa 7 mm lata, nervis lateralibus I. sulcatis utrinque 5-6 sub angulo 45°-65° abeuntibus, uterque costula in sinu per 5-6 cm nuda et in parte distali ex margine tantum 8-11 mm remota nervis principalibus latere exteriori 3. Inflorescentiae solitariae vel binae. Pedunculus 6 cm longus viridis ad apicem vinosus saturatus. Spatha 16.5 cm longa, non constricta et ubique plus minusve eodem diametro (1.9 cm), extra viridis maculis ellipticis vinosis intra viridicremea sursum eburnea, late aperiens. Spadix spatham aequans insertione obliquissima, 14.5 cm longus parte pistillata 6 (2.4) cm longa 1.3 cm crassa, parte staminata sterili 1.9 (1.7) cm longa 1.4 cm crassa (ad apicem 1.1 cm crassa), fertili 1.2-1.3 cm crassa. Flores pistillati cylindrici stigmate coronato, 3.8 cm longi 1.8-2 mm crassi, ovario 10-11(-13)-loculari, ovulis in quoque loculo 3 (-4) basim versus centraliter affixis.

TYPUS: George S. Bunting B82-28. In rainforest, "Morro do Suido", Domingos Martins, Espirito Santo, BRAZIL, ca. 800 m. January 20, 1982 [Holotypus: NY]. This specimen was also collected by Mr. Roberto Kautsky and brought to me in Rio de Janeiro by Mr. Luiz Knud Correia de Araujo.

Philodendron spiritus-sancti pertains to sect. *Oligospermium* Engl. § *Macrobelium* Schott.

ERRATA

re BUNTING, G. S., New taxa of Venezuelan Araceae. *Phytologia* 60: 293-344. 1986.

<u>page</u>	<u>line</u>	<u>reads:</u>	<u>should read:</u>
311	27	en km 25 del trayecto al este de San Cristóbal	entre km 11 y 25 al este de San Cristóbal, o sea 0-14 km al este del Chorro del Indio
311	28	ca. 1100 m, 7 de junio, 1973	1100-1150 m, 24 de abril, 1976
332	4	en km 25 al este de San Cristóbal	entre km 11 y 25 al este de San Cristóbal, o sea 0-14 km al este del Chorro del Indio
332	5	ca. 1100 m, 7 de junio, 1973	1100-1150 m, 24 de abril, 1976
340	scale	10 mm	10 cm



Bunting, George S. 1987. "TWO NEW SPECIES OF BRAZILIAN PHILODENDRON ARACEAE." *Phytologia* 61, 441–443.

View This Item Online: <https://www.biodiversitylibrary.org/item/47050>

Permalink: <https://www.biodiversitylibrary.org/partpdf/176144>

Holding Institution

New York Botanical Garden, LuEsther T. Mertz Library

Sponsored by

The LuEsther T Mertz Library, the New York Botanical Garden

Copyright & Reuse

Copyright Status: In copyright. Digitized with the permission of the rights holder.

Rights Holder: Phytologia

License: <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Rights: <https://biodiversitylibrary.org/permissions>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.