

Taxonomic and Nomenclatural Notes on *Oxyspora* DC., *Anerincleistus* Korth., *Poikilogyne* Baker f., and *Allomorpha* Bl. (Melastomataceae, tribe Oxysporeae)

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Abstract

Four genera of Tribe Oxysporeae, Fam. Melastomataceae, have been revised; *Oxyspora* DC., *Anerincleistus* Korth., *Poikilogyne* Baker f., and *Allomorpha* Bl. The concept of *Oxyspora* DC. has been extended so as to include *Allomorpha*, which thus becomes a synonym. This paper consists of three taxonomic sections: *Oxyspora*, as amended; *Anerincleistus*; and *Poikilogyne*. An index to the previously described species of *Allomorpha*, with their revised names, is also provided. There are 5 new species described in *Anerincleistus*, and 7 in *Poikilogyne*; 1 new variety in *Anerincleistus*, 3 in *Oxyspora*, and 1 in *Poikilogyne*; 2 new names in *Oxyspora*; 10 new combinations in *Anerincleistus*, 15 in *Oxyspora*; and three names raised to a new status in *Anerincleistus*, 5 in *Oxyspora*, and 1 in *Poikilogyne*. Three species originally in *Allomorpha* are transferred to *Phyllagathis*.

Contents

1. Taxonomic notes on <i>Anerincleistus</i> Korth.	212
2. Taxonomic notes on <i>Oxyspora</i> DC.	216
3. Index to taxa of <i>Allomorpha</i> Bl. with original and revised names	218
4. Taxonomic notes on <i>Poikilogyne</i> Baker f.	223

Introduction

The genera *Anerincleistus* Korth., *Oxyspora* DC., and *Poikilogyne* Baker f. have been revised, and are accepted as distinct. *Allomorpha* Bl. has also been revised, but is regarded as coming within the taxonomic concept of *Oxyspora*; hence it is reduced to a synonym of that genus. Because of the considerable number of species which had been described under or transferred to *Allomorpha*, a separate index of its taxa, with their revised equivalent names, is here provided. Some species originally attributed to *Allomorpha* belong to genera other than *Oxyspora*, for example *Anerincleistus* and *Phyllagathis*. In *Anerincleistus* and *Poikilogyne*, several new species have been discriminated and are here published. For some of the new taxa, and certain other critical ones, illustrations are provided herein.

Due to the length and detail of the actual revision of *Anerincleistus* (30 spp., 5 var.), *Oxyspora* (24 spp., 9 var.), and *Poikilogyne* (20 spp., 2 var.), along with the numerous notes concerning the species and varieties presented here, I have found it necessary to include only the most essential information concerning each entry here. The specimens cited in the distribution for each taxon have been examined personally, however the herbaria where these can be found have only been listed

P. 111 in 35 no. 33



PLATE 1. *Anerincleistus bullatus* Maxw. Nooteboom & Chai 1706, holotype (L). Photo: Rijksherbarium, Leiden.

Plate 1



Plate 2

Plate 1. *Anerincleistus bullatus* Maxw. Nooteboom & Chai 1706, holotype (L). Photo: Rijksherbarium, Leiden.

Plate 2. *Pseudodissochaeta roseus* (Guill.) Maxw. Eberhardt 1769, from Lang-Bian, Nunh-Thuan Province, Annam, Vietnam; holotype (P). This specimen was originally described by the French botanist A. Guillaumin as *Anerincleistus roseus* Guill. in 1921. This is the sixth known species of *Pseudodissochaeta*. Photo: Mr. Wan Ah Kiong.

Plate 3. *Phyllagathis longifolius* (Cogn.) Maxw. Beccari 3837 from Sarawak, holotype (FI), which was originally described by Cogniaux in 1891 as *Allomorpha longifolia* Cogn. Photo: Rijksherbarium, Leiden.



Plate 3

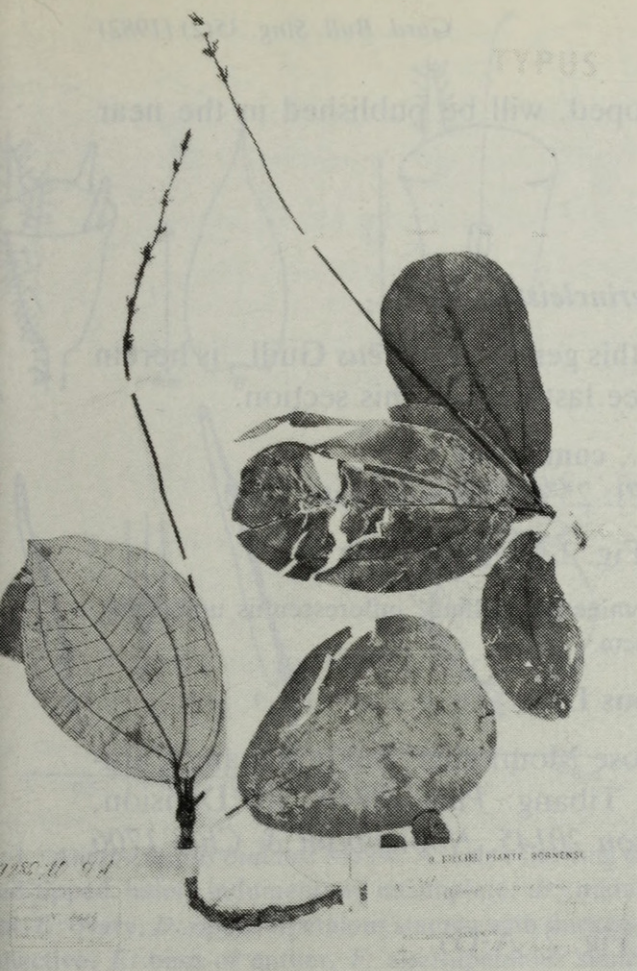


Plate 4

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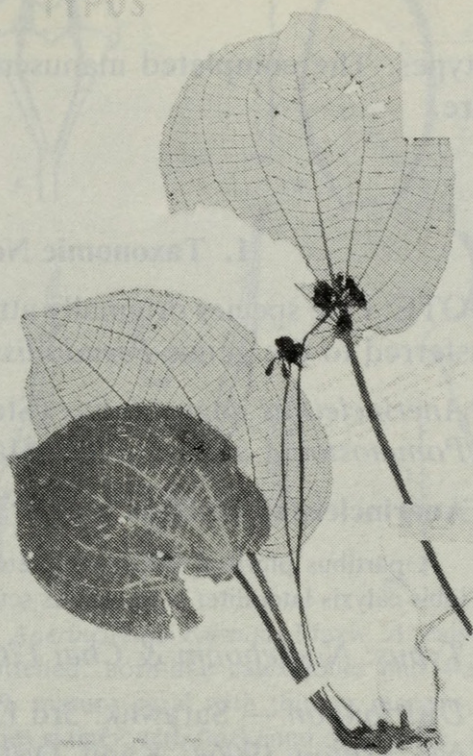


Plate 5

Plate 4. *Phyllagathis longispicatus* (Cogn.) Maxw. Beccari 3861, from Sarawak, which was collected in 1867, and described by Cogniaux as *Allomorpha longispicata* Cogn. in 1891; holotype (FI). Photo: Rijksherbarium, Leiden.

Plate 5. *Phyllagathis multinervis* (Cogn.) Maxw. Beccari 3441, holotype (FI). The original label has "affine *Phyllagathis*", however the specimen was described by Cogniaux as *Allomorpha multinervia* Cogn. in 1891. Photo: Rijksherbarium, Leiden.

Plate 6. *Poikilogyne carinata* Maxw., holotype (L). Photo: Mr. Wan Ah Kiong.

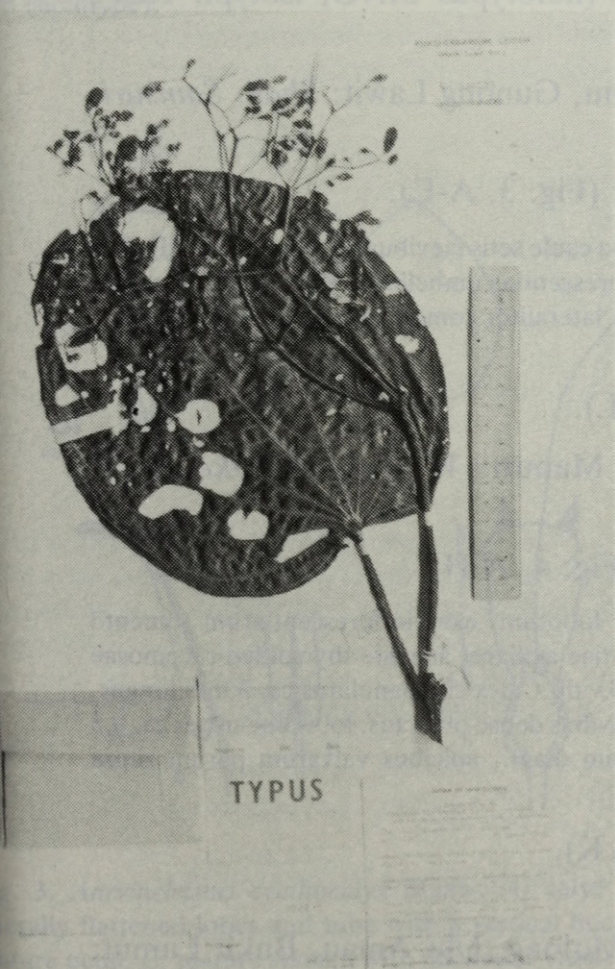


Plate 6

for types. The completed manuscript, it is hoped, will be published in the near future.

1. Taxonomic Notes on *Anerinacleistus* Korth.

NOTE: One species originally attributed to this genus, *A. roseus* Guill., is herein transferred to the genus *Pseudodissochaeta*; see last item in this section.

1. *Anerinacleistus angustifolius* (Stapf) Maxw., **comb. nov.**
Pomatostoma angustifolium Stapf, Icon. Pl. 25 (1895) sub plate 2420.

2. *Anerinacleistus bullatus* Maxw., **sp. nov.** (Fig. 1, A-G & Plate 1).

A partibus pluribus indumento setoso, foliis prominenter bullatis, inflorescentiis umbellatis, lobis calycis lateraliter complanatis setosisque distincta.

Typus: Nooteboom & Chai 1706 (holotypus L).

Distribution — Sarawak: 3rd Division, Hose Mountains, Bukit Kanang Carapa: *Ashton 19064*; Kapit District, Bukit Tibang: *Paie 28449*; 5th Division, Kalabit Highlands, Bario: *J.A.R. Anderson 20145*, *Nooteboom & Chai 1706* (type).

3. *Anerinacleistus cornutus* Maxw., **sp. nov.** (Fig. 2, A-G).

A calycis lobis longis cornutis lateraliter complanatis distincta.

Typus: Shah, Samsuri, Shukor, MS 3497 (holotypus SING, isotypi: KEP, KLU)

Distribution — W. MALAYSIA, Trengganu, Gunong Lawit: *Shah, Samsuri, Shukor MS 3489, 3497* (type), *Ng 022073*.

4. *Anerinacleistus cyathocalyx* Maxw., **sp. nov.** (Fig. 3, A-E).

A speciebus ceteris *Anerinacleisti* distincta quod herba caule setis laevibus ad 4 mm longis. Petioli villosi, nervi pagina inferiore laminis dense setosi. Inflorescentiae umbellato-cymosae plus minusve scorpioideae. Calyx tubo cyathiformi furfuraceo lobis lateraliter complanatis cuspidatis. Stamina equalia inter se.

Typus: W.M.A. Brooke 10122 (holotypus L).

Distribution — Sarawak: 5th Division, Maputi: *W.M.A. Brooke 10122* (type).

5. *Anerinacleistus echinatus* Maxw., **sp. nov.** (Fig. 4, A-H).

Ramuli, petioli, costae primariae pagina inferiore foliorum, axes inflorescentiarum tomento appresso strigoso ca. 1 mm crasso obtecti. Inflorescentiae axillares anguste thyrsoido-racemosae 3.5-7 cm longae, floribus pluribus tantum in alabastro vidi. Calyx campanulatus ca. 3 mm longus, appendicibus echinatus patentibus 2-2.5 mm longis laevibus dense obtectus, lobis linearibus ca. 0.5 mm longis. Capsulae subglobosae echinatae ca. 3 mm diam., apicibus valvarum parum supra marginem aeroli.

Typus: Endert 3686 (holotypus L, isotypus K).

Distribution

Sarawak: 3rd Division, Hose Mountains, Mujong, Ulu Amau, Bukit Lumut: *Ashton 21261*.

Kalimantan: W. Koetai, near Mt. Kemoel: *Endert 3686* (type).

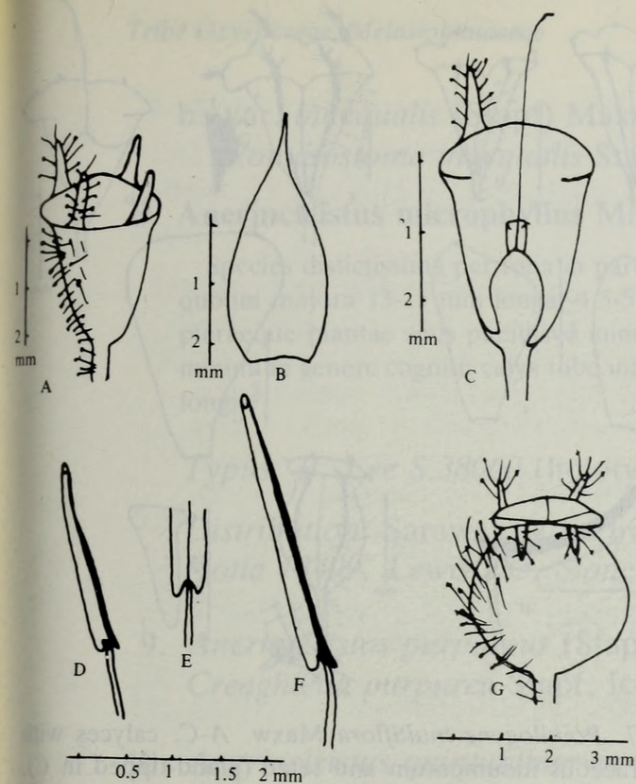


Fig. 1. *Anerinclaistus bullatus* Maxw. A: calyx showing the gland-tipped hairs, indumentum incomplete; B: mature petal, C: ovary, D: oppositipetalous stamen with thickened connective, E: base of anther, F: alternipetalous stamen with thickened connective, G: capsule with gland-tipped hairs, indumentum incomplete. A-G: Nooteboom & Chai 1706 (holotype).

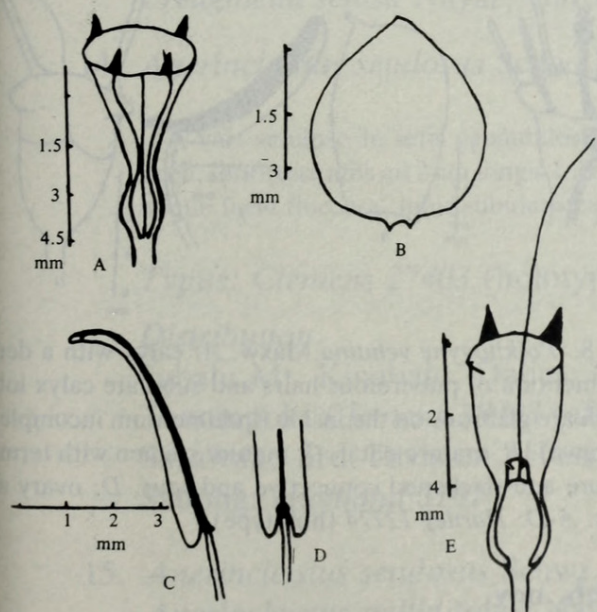


Fig. 3. *Anerinclaistus cyathocalyx* Maxw. A: calyx with laterally flattened lobes and tube with 8 vertical lines; B: mature petal, C: mature stamen with thickened connective and spur, D: details of the connective and spur, E: ovary. A-E: W.M.A. Brooke 10122 (holotype).

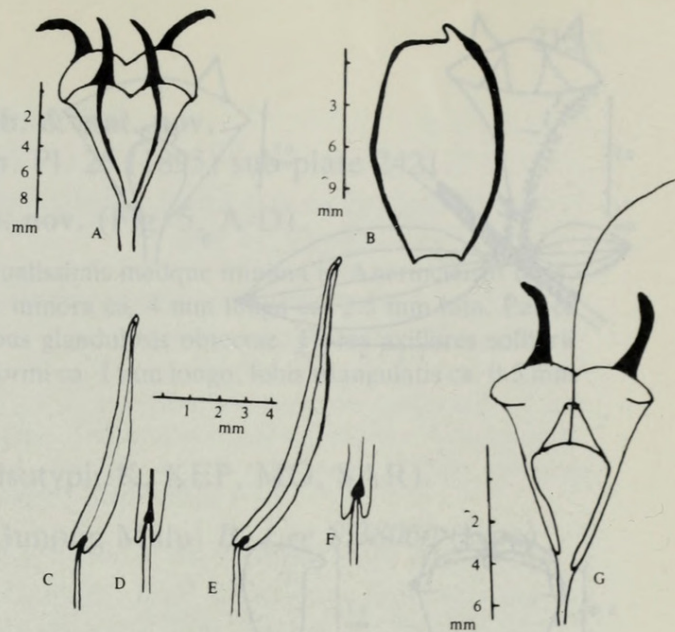


Fig. 2. *Anerinclaistus cornutus* Maxw. A: calyx with laterally flattened, horn-like calyx lobes and 4-angled calyx tube; B: mature petal with thinner margins, C: oppositipetalous stamen with thickened connective, D: details of the thickened connective, E: alternipetalous stamen with thickened connective, F: details of the thickened connective, G: ovary. A-G: Shah, Samsuri, Shukor, MS 3497 (holotype).

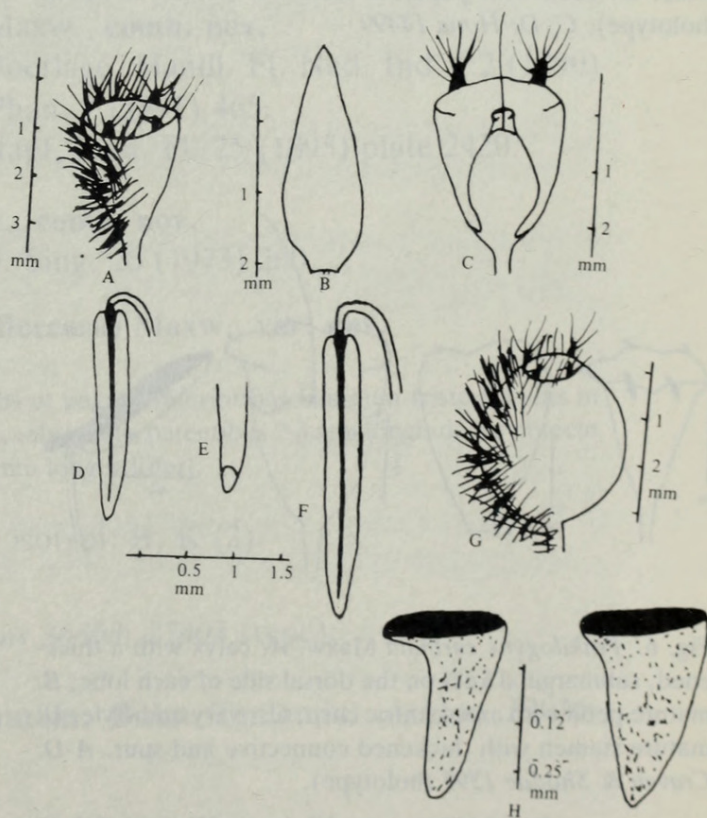


Fig. 4. *Anerinclaistus echinatus* Maxw. A: calyx with echinate indumentum, incompletely drawn (in bud); B: immature petal, C: ovary, D: oppositipetalous stamen, adaxial (immature); E: abaxial tip of anther showing the pore; F: alternipetalous stamen, adaxial (immature); G: capsule with echinate indumentum (indumentum incomplete), H: seeds with flattened, thickened top and papillose testa. A-G: Hallier 3686 (holotype).

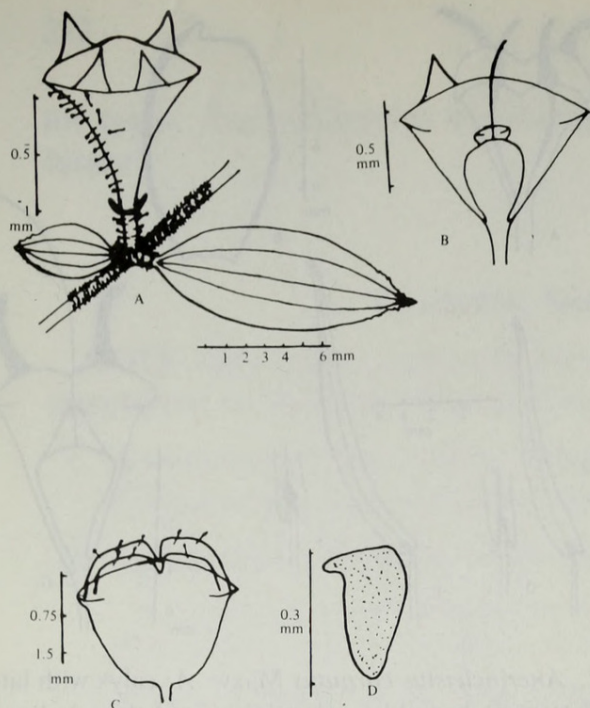


Fig. 5. *Anerinckleistus microphyllus* Maxw. A: inflorescence (solitary flower) showing the calyx with gland-tipped setae/papillae (incompletely drawn), unequal leaf pairs, and branchlet with glandular indumentum; B: ovary, C: capsule, long. sect., showing the valves with gland-tipped setae; D: seed with papillose testa. A, B: Lee S. 38060 (holotype), C, D: Hotta 14499.

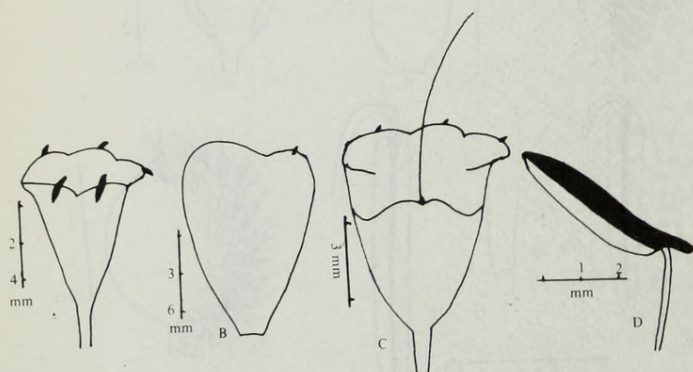


Fig. 6. *Poikilogyne carinata* Maxw. A: calyx with a thickened, submarginal keel on the dorsal side of each lobe; B: mature petal with an eccentric cusp, C: ovary and style, D: mature stamen with thickened connective and spur. A-D: Craven & Shodde 1397 (holotype).

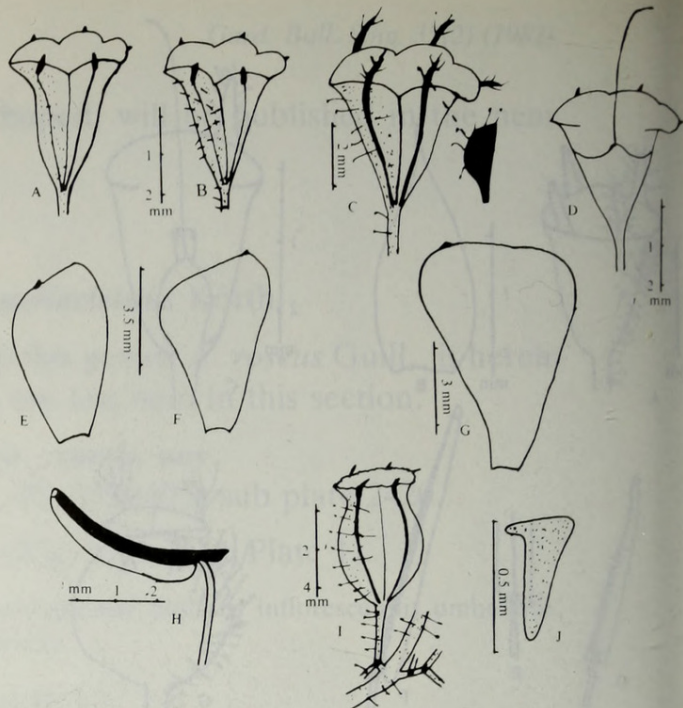


Fig. 7. *Poikilogyne multiflora* Maxw. A-C: calyces with furfuraceous indumentum and setae (gland-tipped in C), thickened keels on the back of the calyx lobes, insert of C is a profile of this keel; and tubes with 10 vertical lines (wing-like in C). D: ovary and style; E-G: mature petals with eccentric cusps, H: mature stamen with thickened connective and spur, I: mature capsule and part of infructescence showing furfuraceous indumentum and gland-tipped setae, J: papillose seed (indumentum incompletely depicted). A, D, E, H: Streimann & Kairo 47541 (holotype), B & F: Coode & Lelean 29918; C, G, I, J: Henty & Foreman 42513.

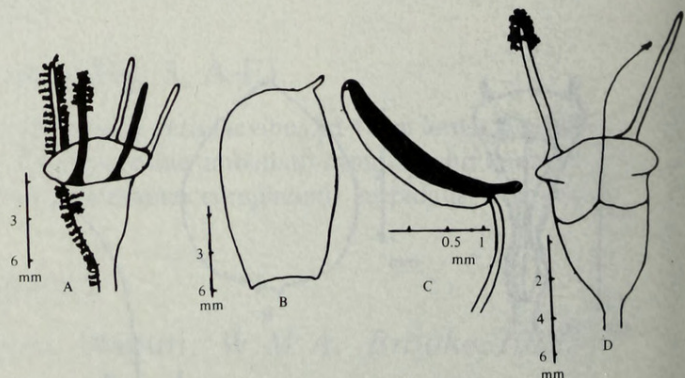


Fig. 8. *Poikilogyne velutina* Maxw. A: calyx with a dense indumentum of puberulous hairs and subulate calyx lobes which are glabrous on the inside (indumentum incompletely drawn), B: mature petal, C: mature stamen with terminal pore and thickened connective and spur, D: ovary and style. A-D: Hartley 12774 (holotype).

6. *Anerinckleistus esquirolii* (Lév.) Maxw., **comb. nov.**
Sonerila esquirolii Lév., Bull. Soc. France 54 (1907) 368.
Plagiopetalum esquirolii (Lév.) Rehd., J. Arnold Arbor. 15 (1934) 110.
7. *Anerinckleistus phyllagathoides* (Stapf) Maxw., **comb. nov.**
a. var. *phyllagathoides*
Pomatostoma phyllagathoides Stapf, Icon. Pl. 25 (1895) Plate 2421.

b. var. *inaequalis* (Stapf) Maxw., **comb. & stat. nov.**

Pomatostoma inaequalis Stapf, Icon. Pl. 25 (1895) sub plate 2421.

8. *Anerinacleistus microphyllus* Maxw., **sp. nov.** (Fig. 5, A-D).

Species distinctissima per folia in partibus inequalissimis inedque minima in *Anerinacleisto* nota, quorum majora 13-15 mm longa, 4.5-5 mm lata; minora ca. 4 mm longa ca. 2.5 mm lata. Partes pleraeque plantae setis papillisve minutis apicibus glandulosis obiectae. Flores axillares solitarii minimi in genere cogniti; calyx tubo infundibuliformi ca. 1 mm longo, lobis triangulatis ca. 0.5 mm longis.

Typus: B. Lee S.38060 (holotypus L; isotypi: K, KEP, MO, SAR).

Distribution: Sarawak: 4th Division, Gunong Mulu: B. Lee S.38060 (type) Hotta 14499, Lewis 283, Stone 13637.

9. *Anerinacleistus purpureus* (Stapf) Maxw., **comb. nov.**

Creaghiella purpurea Stapf, Icon. Pl. 25 (1896) plate 2455.

10. *Anerinacleistus quintuplinervis* (Cogn.) Maxw., **comb. nov.**

Allomorpha quintuplinervis Cogn. in DC., Monogr. Phan. 7 (1891) 466.

11. *Anerinacleistus rupicola* (Nayar) Maxw., **comb. nov.**

Perilimnastes rupicola Nayar, J. Bomb. Nat. Hist. Soc. 71 (1974) 173 and fig. 1.

12. *Anerinacleistus sertuliferum* (Cogn.) Maxw., **comb. nov.**

Allomorpha sertuliferum Cogn. in Boerlage, Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 465.

Pomatostoma sertuliferum (Cogn.) Stapf, Icon. Pl. 25 (1895) plate 2420.

13. *Anerinacleistus setosus* (Nayar) Maxw., **comb. nov.**

Creaghiella setosa Nayar, Gard. Bull. Sing. 26 (1973) 260.

14. *Anerinacleistus setulosus* Schwz. var. **floccosus** Maxw., **var. nov.**

A var. *setuloso* in setis eglandulosis, ramulis et paginis inferioribus laminum triste rubellis in sicco, inflorescentiis ad 2 cm longis 1-3 floribus, calyce setis patentibus 2-3 mm longis dense obiecto itaque facie floccosa, lobis subulatis ca. 0.75 mm longis differt.

Typus: Clemens 27403 (holotypus L, isotypi: B, K (2)).

Distribution

Sabah: Mt. Kinabalu, Dallas: Clemens 26363, 27403 (type);

Tenompok: Clemens 28493 (aff.).

Sarawak: 3rd Division, Hose Mountain, Bukit Temendu: Ashton 19016;

Sadong: Haviland 3141.

15. *Anerinacleistus setulosus* Schwz. var. *pallidifolius* (Nayar) Maxw., **stat. nov.**

Anerinacleistus pallidifolius Nayar, J. Ind. Bot. Soc. 48 (1969) 264 and fig. 1.

16. *Anerinacleistus setulosus* Schwz. var. *suffruticosus* (Schwz.) Maxw., **stat. nov.**

Anerinacleistus suffruticosus Schwz., Mitt. Inst. Bot. Hamburg 7 (1931) 243.

17. *Anerinacleistus stipularis* (Ridl.) Maxw., **comb. nov.**

Phaulanthus stipularis Ridl., J. Str. Br. Roy. As. Soc. 57 (1911) 43.

Excluded Species

Anerinicleistus roseus Guill., Bull. Bot. Soc. France. 68 (1921) 4 and Fl. Gen. Indo-Chine II (1921) 906.

= *Pseudodissochaeta roseus* (Guill.) Maxw., **comb. nov.** (Dissochaeteae) (Plate 2).

2. Taxonomic Notes on *Oxyspora* DC.

1. *Oxyspora auriculata* (Ridl.) Maxw., **comb. nov.**
Allomorpha auriculata Ridl., Kew Bull. (1946) 37.
Campimia auriculata (Ridl.) Nayar, Bull. Bot. Surv. India 14 (1972) 189.
2. *Oxyspora balansaei* (Cogn.) Maxw., **comb. nov.**
 - a. var. *balansaei*
Allomorpha balansaei Cogn. in DC., Monogr. Phan. 7 (1891) 1183.
 - b. var. *baviensis* (Guill.) Maxw., **comb. & stat. nov.**
Allomorpha baviensis Guill., Notulae Syst. 2 (1913) 324.
 - c. var. *setosa* (Craib) Maxw., **comb. & stat. nov.**
Allomorpha setosa Craib, Kew Bull. (1913) 68.
3. *Oxyspora beccarii* (Cogn.) Maxw., **comb. nov.**
Anerinicleistus beccarii Cogn. in DC., Monogr. Phan. 7 (1891) 478.
4. *Oxyspora bullata* (Griff.) Maxw., **comb. nov.**
Sonerila bullata Griff., Notulae Pl. As. IV (1854) 675.
5. *Oxyspora cordata* (Stapf) Maxw., **comb. nov.**
Anerinicleistus cordata Stapf, Icon. Pl. 4 (1894) plate 2310 and Trans. Linn. Soc. Bot. 2 (1894) 154.
6. *Oxyspora exigua* (Jack) Maxw., **comb. nov.**
Melastoma exigua Jack, Trans. Linn. Soc. 14 (1825) 10 and tab. 1, fig. 2 (a-f).
7. *Oxyspora longisetosa* (Ridl.) Maxw., **comb. nov.**
Allomorpha longisetosa Ridl., Kew Bull. (1926) 471.
Tayloriophyton longisetosum (Ridl.) Nayar, Bull. Bot. Surv. India 10 (1968) 92 and fig. 2.
8. *Oxyspora microflora* Maxw., **nom. nov.**
Tayloriophyton glabrum Nayar, Bull. Bot. Surv. India 10 (1968) 92 and fig. 1.

I have reduced *Tayloriophyton* Nayar to a synonym of *Oxyspora*. The specific epithet of *T. glabrum* Nayar cannot be used with *Oxyspora* since the name is occupied by *Oxyspora glabra* Li (J. Arnold Arbor. 25 (1944) 13). The specific epithet *microflora* has been selected since this species has the smallest flowers of all the known species and varieties of *Oxyspora*.

9. *Oxyspora montana* (Diels) Maxw., **comb. nov.**
Cyphotheca montana Diels, Bot. Jahrb. 65 (1932) 103.
10. *Oxyspora paniculata* (D. Don) DC. var. **bracteata** Maxw., **var. nov.**
 Varietate vaganti (Roxb.) Maxw. proxima. Ramuli petioli indumento dense stellato-tomentose setis sparsis glabris eglandulosis 1-1.5 mm longis includenti. Laminae chartaceae oblongae ad ovato-oblongae 9-16 cm longae 3.5-5 cm latae, basi angustata ad parum rotundata, apice acumina-to infra venatione secundaria non excurrenti setis plurimis obtectae supra setis sparsis. Axes inflorescentiae stellato-furfuracei, esetosi. Bractee bracteolique prominentes lanceolati 4-7 mm longi 1-1.5 mm lati stellato-furfuracei setis dispersis. Tubus calycis infundibularis c. 6 mm longus, margine truncata cuspis marginalibus dorsaliter carinatis, c. 0.5 mm longis. Calcar antherae alternipetalae ligulatum c. 1 mm longum.
Typus: A.S. Rao 47967 (holotypus CAL).
Distribution — INDIA: Assam, Lohit District, Shillong, Tezn-Denning Road: A.S. Rao 47967 (type).
11. *Oxyspora paniculata* (D. Don) DC. var. **campanulata** Maxw. **var. nov.**
 A var. glandulosa in pedicellis 8-10 mm longis, tubo calycis ca. 2 mm longis lobis triangulatis ca. 0.75 mm longis cuspidatis dorso carinatis, petalis elliptico-oblongis leniter asymmetricis, stylo stellato-piloso differt.
Typus: Keenan, Tun Aung, Hla 3634A (holotypus EDIN, isotypus K).
Distribution — Burma: Kachin State, Sumprabum Subdivision, Sumprabum to Kumon Range, NW. of Hpuginkhu: Keenan, Tun Aung, Hla 3634A (type). isotype).
12. *Oxyspora paniculata* (D. Don) DC. var. **glandulosa** W.W. Sm. ex Maxw., **var. nov.**
 A var. paniculata praecipueque var. vagante ramulis petiolis axibus setis glabris glanduloso-capitatis strictis 1-2 mm longis plerumque dense vestis, tubo calycis idemque sparsioribus, margine cuspidibus 4 lateraliter compressis ca. 0.5 mm longis differt. Var. vagans proxima quae praeterea inflorescentias infrutescentiasque minores gaudet.
Typus: Toppin 4044 (holotypus EDIN).
Distribution — BURMA, Kachin State: Sumprabum Subdivision, Sumprabum to Kumon Pange, Hpuginkhu: Keenan, Tun Aung, Hla 3682; west of Tang-Hpre: Keenan, Tung Aung, Hla 3989; Kachin Hills: anon. 5584 (EDIN); S. Shan States, Keng Tung: MacGregor 1047; upper Burma: Toppin 4044 (type).
13. *Oxyspora paniculata* (D. Don) DC. var. **rupicola** (Lace) Maxw., **stat. nov.**
Oxyspora rupicola Lace, Kew Bull. (1915) 402.
14. *Oxyspora paniculata* (D. Don) DC. var. **vagans** (Roxb.) Maxw., **stat. nov.**
Oxyspora vagans (Roxb.) Wall., Pl. As. Rar. I (1830) 78.
Melastoma vagans Roxb., Hort. Bengal. (1814) 33.
15. *Oxyspora paniculata* (D. Don) DC. var. **yunnanensis** (Li) Maxw., **stat. nov.**
Oxyspora yunnanensis Li, J. Arnold Arbor. 25 (1944) 12.
16. *Oxyspora sagittata* (Bakh. f.) Maxw., **comb. nov.**
Allomorphia sagittata Bakh. f., "Thesis" (1943) 291, Med. Mus. Bot. Utrecht 91 (1943) 291, Rec. Trav. Bot. Neerl. 40 (1943-45) 291.

17. *Oxyspora spicata* Maxw., **nom. nov.***Anerincleistus caudatus* Diels, Bot. Jahrb. 65 (1932) 101.*Styrophyton caudatum* (Diels) S.Y. Hu, J. Arnold Arbor. 33 (1952) 176 and plate 1.

The specific epithet *caudatus* cannot be used for this species with *Oxyspora* since *Oxyspora caudata* Gedd. (Kew Bull. 1930, 313) has already been described. The specific epithet *spicata* has been chosen to indicate the spicate inflorescence of this species — one of its most obvious traits.

18. *Oxyspora sublepidota* (King) Maxw., **comb. nov.***Anerincleistus sublepidotus* King, J. As. Soc. Bengal 69, II (1900) 17 (Mat. Fl. Mal. Pen. III, 425).19. *Oxyspora umbellata* (Hk. f. ex Triana) Maxw., **comb. nov.**a. var. *umbellata**Allomorpha umbellata* Hk. f. ex Triana, Trans. Linn. Soc. 28 (1871) 74 and Tab. 6, Fig. 66 a.b. var. *setosa* (Craib) Maxw., **stat. nov.***Oxyspora setosa* Craib, Kew Bull. (1930) 315.20. *Oxyspora wrayi* (King) Maxw., **comb. nov.***Allomorpha wrayi* King, J. As. Soc. Bengal 69, II (1900) 11 (Mat. Fl. Mal. Pen. III, 419).*Campimia wrayi* (King) Ridl., J. Str. Br. Roy. As. Soc. 57 (1911) 40.3. Index to taxa of *Allomorpha* Bl. with original and revised names

During the course of the revision on *Oxyspora* DC., *Allomorpha* Bl., *Anerincleistus* Korth., *Poikilogyne* Baker f., and related genera, it was found that *Allomorpha* is synonymous with *Oxyspora*, while *Anerincleistus* and *Poikilogyne* are distinct.

Oxyspora was established by A. De Candolle in 1828 on the basis of *Arthrostemma paniculatum* D. Don, from India, which was described in 1823. In 1831 Blume founded *Allomorpha* with *Melastoma exigua* Jack, from Penang, which was originally described in 1825. The two species appear distinct and since Blume's time an additional 57 taxa of *Allomorpha* have been included in this genus. As more species of *Oxyspora* and *Allomorpha* became known, botanists began to find difficulty in distinguishing the two genera. By 1860 three more genera had been described by Naudin (1851) (*Homocentria* Naud. and *Allozygia* Naud.) and Miquel (1860) (*Hylocharis* Miq.) since the species on which these genera were based did not seem to belong to *Oxyspora* or *Allomorpha*. These three genera have since been reduced to synonyms of *Oxyspora*.

King (1900), in his treatment of the Melastomateceae of the Malay Peninsula, attempted to solve the problem by expanding the description of the two genera. He was followed by Ridley (1908 and 1911) who described two more genera (*Oritrephes* Ridl. and *Campimia* Ridl.) which further confused the distinctions between *Oxyspora*, *Allomorpha*, and *Anerincleistus*.

Oxyspora was envisioned to have large, spreading inflorescences; large flowers; dimorphic anthers with a connective appendage; and large, ellipsoid capsules. *Allomorpha* was considered as having smaller inflorescences and flowers; equal or subequal anthers which are unappendaged; and smaller, urceolate capsules.

King (1900), Ridley (1911 and 1918), Bakhuizen f. (1943, 1943-45), and Nayar (1973 and 1978) were aware of the problems concerning *Oxyspora* and *Allomorpha*, and even considered the possibility of combining the two genera; however all these authors kept the two genera apart. Baillon (1881), in a short note, considered *Allomorpha* as a section of *Oxyspora*. Various botanists concerned with regional treatments of *Oxyspora* and *Allomorpha* have been able to keep the two genera separate, in addition to founding several new genera based on species that did not seem to belong to either genus. This is because the species found in India (Clarke, 1879), Burma (Kurz, 1877), Thailand (Craib, 1931), Indo-China (Guillaumin 1913 and 1921; Diels, 1932), China (Li, 1944), the Malay Peninsula (King, 1900; Ridley, 1922), and the Malay Archipelago (Bakhuizen f., 1943 and 1943-45) are few and easier to delimit. The most recent monographers of the Melastomataceae (Cogniaux, 1891; Krasser, 1893; Gilg, 1897) have also kept the two genera separate. *Oxyspora* and *Allomorpha*, in fact the entire Oxysporeae, have required a thorough revision for many years, thus a very interesting and rewarding project developed in which much convincing evidence was found to confirm the synonymy of *Allomorpha* with *Oxyspora*. Due to the length of the actual revision a preliminary prospectus of *Allomorpha* is presented here.

Allomorpha Bl., Flora 14 (1831) 522 and Bijdr. Nat. Wet. 6 (1831) 262 = *Oxyspora* DC. sect. *Allomorpha* (Bl.) Baill., Nat. Hist. Pl. 7 (1881) 13. Type: *Allomorpha exigua* (Jack) Bl.

Basionym: *Melastoma exigua* Jack, Trans. Linn. Soc. 14 (1825) 10 and tab. 1, fig. 2 (a-f).

NOTE: Taxa printed in bold are the accepted ones, those in italics have been reduced, and those in roman are new synonyms.

1. *Allorpha acutangula* (King) Guill., Bull. Soc. Bot. France 60 (1913) 87 = ***Oxyspora acutangula*** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
2. *Allomorpha alata* Scort. ex King, J. As. Soc. Bengal 69, II (1900) 12 (Mat. Fl. Mal. Pen. III, 417) = ***Oxyspora curtisii*** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
3. *Allomorpha albiflora* Ridl., J. Fed. Mal. St. Mus. 4 (1909) 15: *Oritrephes albiflora* (Ridl.) Ridl., Fl. Mal. Pen. II (1922) 772; = ***Oxyspora acutangula*** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
4. *Allomorpha arborescens* Guill., Notulae Syst. II (1913) 323 = ***Oxyspora balansaei*** (Cogn.) Maxw. var. ***setosa*** (Craib) Maxw.
5. *Allomorpha asperifolia* Mansf., Nova Guinea 14 (1924) 201 = ***Poikilogyne arfakensis*** Baker f. (var. ***arfakensis***) in Gibbs, Contr. Fl. Arfak Mtns. (1917) 157; Mansfeld, Bot. Jahrb. 60 (1926) 110, *pro syn.*

6. *Allomorpha auriculata* Ridl., Kew Bull. (1946) 37 = **Oxyspora auriculata** (Ridl.) Maxw.
7. *Allomorpha balansaei* Cogn. in DC., Monogr. Phan. 7 (1891) 1183 = **Oxyspora balansaei** (Cogn.) Maxw. var. **balansaei**.
8. *Allomorpha baviensis* Guill., Notulae Syst. II (1913) 324 and Bull. Soc. Bot. France 60 (1913) 89 (in key) = **Oxyspora balansaei** (Cogn.) Maxw. var. **baviensis** (Guill.) Maxw.
9. *Allomorpha beccariana* Cogn. in Boerl., Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 467 = **Phyllagathis beccariana** (Cogn.) Nayar, J. Jap. Bot. 51 (1976) 231.
10. *Allomorpha blinii* (Lév.) Guill., Bull. Bot. Soc. France 60 (1913) 87 = **Anerincleistus esquirolii** (Lév.) Maxw.
11. *Allomorpha bodinieri* (Lév.) Lév., in Fedde, Repert. Nov. Sp. 5 (1908) 100 = **Blastus cavaleriei** Lév., Mem. Soc. Sci. Nat. Cherbourg 35 (1906) 395; Li, J. Arn. Arbor. 25 (1944) 17, *pro syn.*
12. *Allomorpha bullata* (Griff.) Cogn. in DC., Monogr. Phan. 7 (1891) 465 = **Oxyspora bullata** (Griff.) Maxw.
13. *Allomorpha capillaris* Cogn. ex Ridl., J. Str. Br. Roy. As. Soc. 57 (1911) 38 = **Oxyspora exigua** (Jack) Maxw.
14. *Allomorpha caudata* (Diels) Li, J. Arn. Arbor. 25 (1944) 11.
Styrophyton caudatum (Diels) S.Y. Hu, J. Arn. Arbor. 33 (1952) 176 and plate I: = **Oxyspora spicata** Maxw., *nom. nov.* The specific epithet of this species cannot be transferred to *Oxyspora* since the name is occupied by *Oxyspora caudata* Gedd.
15. *Allomorpha cavaleriei* Lév. & Van., Mem. Soc. Sci. Nat. Cherbourg 35 (1906) 394 = **Phyllagathis cavaleriei** (Lév. & Van.) Guill., Bull. Soc. Bot. France 60 (1913) 273.
16. *Allomorpha chevalierii* Guill., Fl. Gen. Indo-China II (1921) 901, *nomen* (in key); probably in reference to *Allomorpha cavaleriei* Lév. & Van. (q.v.).
17. *Allomorpha cordifolia* Cogn. in K. Sch. & Holtr., Fl. Kais.-Wilhelmsl. (1889) 87 = **Poikilogyne cordifolia** (Cogn.) Mansf., Bot. Jahrb. 60 (1926) 111 (var. **cordifolia**).
18. *Allomorpha curtisii* (King) Ridl., J. Str. Br. Roy. As. Soc. 57 (1911) 40 = **Oxyspora curtisii** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
19. *Allomorpha curtisii* (King) Guill., Bull. Soc. Bot. France 60 (1913) 87 = **Oxyspora curtisii** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
20. *Allomorpha eupteron* Guill., Notulae Syst. II (1913) 323 = **Oxyspora curtisii** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
21. *Allomorpha exigua* (Jack) Bl., Flora 14 (1831) 523 and Bijdr. Nat. Wet. 6 (1831) 262 = **Oxyspora exigua** (Jack) Maxw.

22. *Allomorpha exigua* (Jack) Bl. var. *capillaris* (Cogn. ex Ridl.) Ridl., Fl. Mal. Pen. I (1922) 770 = **Oxyspora exigua** (Jack) Maxw.
23. *Allomorpha exigua* (Jack) Bl. var. *minor* King, J. As. Soc. Bengal 69, II (1900) 11 (Mat. Fl. Mal. Pen. III, 419) = **Oxyspora exigua** (Jack) Maxw.
24. *Allomorpha flexuosa* Hand.-Maz., Sinensia III (1933) 195 = **Anerincleistus esquirolii** (Lév.) Maxw.
25. *Allomorpha griffithii* Hk. f. ex Triana, Trans. Linn. Soc. 28 (1871) 74 = **Phyllagathis griffithii** King, J. As. Soc. Bengal 69, II (1900) 45 (Mat. Fl. Mal. Pen. III, 453).
26. *Allomorpha hirticalyx* Ridl., J. Fed. Mal. St. Mus. 6 (1915) 46 = **Oxyspora acutangula** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
27. *Allomorpha hispida* Kurz, J. As. Soc. Bengal 40, II (1871) 53; Ridley, J. Str. Br. Roy. As. Soc. 79 (1918) 69, excluded from *Allomorpha*.
28. *Allomorpha howelii* (Jeff. & W.W. Sm.) Diels, Bot. Jahrb. 65 (1932) 102 = **Oxyspora balansaei** (Cogn.) Maxw. var. *setosa* (Craib) Maxw.
29. *Allomorpha laotica* Guill., Notulae Syst. II (1913) 324 = **Oxyspora curtisii** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
30. *Allomorpha longifolia* Cogn. in Boerl., Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 466 = **Phyllagathis longifolius** (Cogn.) Maxw., **comb. nov.** (Plate 3).
31. *Allomorpha longisetosa* Ridl., Kew Bull. (1926) 471; *Tayloriophyton longisetosum* (Ridl.) Nayar, Bull. Bot. Surv. India 10 (1968) 92 and fig. 2 = **Oxyspora longisetosa** (Ridl.) Maxw.
32. *Allomorpha longispicata* Cogn. in Boerl., Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 46 = **Phyllagathis longispicatus** (Cogn.) Maxw., **comb. nov.** (Plate 4).
33. *Allomorpha macrophylla* Cogn. in K. Sch. & Holtr., Fl. Kais.-Wilhelmsl. (1889) 87 = **Poikilogyne macrophylla** (Cogn.) Mansf., Bot. Jahrb. 60 (1926) 111.
34. *Allomorpha magnifica* (Miq.) Guill., Bull. Soc. Bot. France 60 (1913) 88 = **Oxyspora bullata** (Griff.) Maxw.
35. *Allomorpha malaccensis* Ridl., J. Str. Br. Roy. As. Soc. 79 (1918) 69 = **Oxyspora bullata** (Griff.) Maxw.
36. *Allomorpha multiflora* Cogn. in DC., Monogr. Phan. 7 (1891) 1183 = **Blastus multiflorus** (Cogn.) Guill., Bull. Soc. Bot. France 60 (1913) 90.
37. *Allomorpha multinervia* Cogn. in Boerl., Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 468 = **Phyllagathis multinervis** (Cogn.) Maxw., **comb. nov.** (Plate 5).
38. *Allomorpha ovalifolia* (A. Gray) Triana, Trans. Linn. Soc. 28 (1871) 74 = **Medinilla ovalifolia** (A. Gray) A.C. Smith, Contr. U.S. Nat. Herb. 37 (1976) 85.

39. *Allomorpha parvifolia* Mansf., Nova Guinea 14 (1924) 201.
Dicerospermum parviflorum (Mansf.) Bakh. f., "Thesis" (1943) 280, Med. Mus. Bot. Utrecht 91 (1943) 280, Rec. Trav. Bot. Neerl. 40 (1943-45) 280 = **Poikilogyne parviflora** (Mansf.) Mansf., Bot. Jahrb. 60 (1926) 110.
40. *Allomorpha pauciflora* Benth., Lond. J. Bot. 1 (1842) 485 = **Blastus pauciflorus** (Benth.) Guill., Bull. Soc. Bot. France 60 (1913) 90.
41. *Allomorpha perakensis* Nayar, Bull. Bot. Surv. India 15 (1973) 170 = **Oxyspora curtisii** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
42. *Allomorpha porphyranthera* Ridl., J. St. Br. Roy. As. Soc. 57 (1911) 39 = **Oxyspora exigua** (Jack) Maxw.
43. *Allomorpha procursa* Craib, Kew Bull. (1930) 315 = **Oxyspora curtisii** King, J. As. Soc. Bengal 69, II (1900) 9 (Mat. Fl. Mal. Pen. III, 417).
44. *Allomorpha quintuplinervia* Cogn. in Boerl., Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 466 = **Anerincleistus quintuplinervis** (Cogn.) Maxw.
45. *Allomorpha racemosa* (Ridl.) Bakh. f., "Thesis" (1943) 289, Med. Mus. Bot. Utrecht 91 (1943) 289, Rec. Trav. Bot. Neerl. 40 (1943-45) 289 = **Oxyspora racemosa** Ridl., J. Mal. Br. Roy. As. Soc. 1 (1923) 60.
46. *Allomorpha robusta* Mansf., Nova Guinea 14 (1924) 201 = **Poikilogyne robusta** (Mansf.) Mansf., Bot. Jahrb. 60 (1926) 111.
47. *Allomorpha roemeri* Mansf., Nova Guinea 14 (1924) 201 = **Poikilogyne roemeri** (Mansf.) Mansf., Bot. Jahrb. 60 (1926) 110.
48. *Allomorpha rosea* Ridl., Trans. Linn. Soc. II (1893) 301 = **Oxyspora rosea** (Ridl.) Ridl., J. Str. Br. Roy. As. Soc. 57 (1911) 35.
49. *Allomorpha rosea* Ridl., J. Fed. Mal. St. Mus. 4 (1909) 14 = **Oxyspora sublepidota** (King) Maxw.
50. *Allomorpha sagittata* Bakh. f., "Thesis" (1943) 291, Med. Mus. Bot. Utrecht 91 (1943) 291, Rec. Trav. Bot. Neerl. 40 (1943-45) 291 = **Oxyspora sagittata** (Bakh. f.) Maxw.
51. *Allomorpha sertulifera* Cogn. in Boerl., Handl. Fl. Ned. Ind. I:2 (1890) 531 (*nomen*) and in DC., Monogr. Phan. 7 (1891) 465.
Pomatostoma sertuliferum (Cogn.) Stapf, Icon. Pl. 25 (1895) plate 2420 = **Anerincleistus sertuliferum** (Cogn.) Maxw.
52. *Allomorpha setosa* Craib, Kew Bull. (1913) 68 = **Oxyspora balansaei** (Cogn.) Maxw. var. **setosa** (Craib) Maxw.
53. *Allomorpha subsessilis* Craib, Kew Bull. (1913) 69 = **Pseudodissochaeta subsessilis** (Craib) Nayar, J. Bomb. Nat. Hist. Soc. 65 (1965) 561 and fig. 2.
54. *Allomorpha sumatrana* Boerl. & Koord. in Koord.-Schum., Syst. Verz. (1911) 46 = **Oxyspora exigua** (Jack) Maxw.
55. *Allomorpha sylvarum* Gedde, Kew Bull. (1930) 316 = **Oxyspora balansaei** (Cogn.) Maxw. var. **balansaei**.

56. *Allomorpha umbellata* Hk. f. ex Triana, Trans. Linn. Soc. 28 (1871) 74 = ***Oxyspora umbellata*** (Hk. f. ex Triana) Maxw. var. ***umbellata***.
57. *Allomorpha urophylla* Diels, Bot. Jahrb. 65 (1932) 102 = ***Oxyspora balansaei*** (Cogn.) Maxw. var. ***balansaei***.
58. *Allomorpha wrayi* King, J. As. Soc. Bengal 69, II (1900) 11 (Mat. Fl. Mal. Pen. III, 419).
Campimia wrayi (King) Ridl., J. Str. Br. Roy. As. Soc. 57 (1911) 40 = ***Oxyspora wrayi*** (King) Maxw.

4. Taxonomic Notes on *Poikilogyne* Baker f.

1. *Poikilogyne arfakensis* Baker f. var. ***glabra*** Kosterm. ex Maxw., var. **nov.**

A var. *arfakensis* differt, quoniam glaberrima vel ramulis axibusve minute brevissime furfuraceo-puberulis.

Typus: *Kostermans* 2299 (holotypus L, isotypes BO, K).

Distribution — NEW GUINEA, IRIAN JAYA, Vogelkop Peninsula, Manokwari Subdistrict, Arfak Mountains, Angi Gita Lake: *Kostermans* 2299 (type), *Sleumer & Vink* 14064.

2. *Poikilogyne bicolor* Maxw., sp. nov.

Frutex epiphyticus c. 1 m altus. Ramuli petioli axes inflorescentiae tereti furfuracei setis patentibus glabris c. 2 mm longis dense obtecti. Laminae late ovate 10.5-23 cm longae 5-15 cm latae tenues superne sparse setaceae infra in costis dense setaceae. Inflorescentiae terminales paniculatae compacte. Flores 5-meri. Tubus calycis campanulatis c. 4 mm longus sparse furfuraceus ad glaber aliquot setis patentibus, lobis late rotundatis c. 1 mm longis dorsaliter cristatis cuspidatis. Filamenta pilis minutis glandulosis. Petalis alba vel pallidae caeruleus.

Typus: *van Royen & Sleumer* 7777 (holotypus L).

Distribution — IRIAN JAYA, Vogelkop Peninsula, Ije River Valley, Central Tamarau Range, south slope, path from Sudjak to Mt. Kusemun near Aiwa River; 850 m: *van Royen & Sleumer* 7777 (type).

3. *Poikilogyne carinata* Maxw., sp. nov. (Fig. 6, A-D & Plate 6).

Ramuli petiole axes inflorescentiae quadrangulati sparse furfuracei glabrescentique lenticellis pusticulatis asperi. Laminae suborbiculares c. 23 cm longae c. 19.5 cm latae subcoriaceae, basi cordata. Inflorescentiae terminales paniculatae pluriflorae c. 30 cm longae. Flores 5-meri. Tubus calycis glaber laevis c. 6 mm longus, lobis late rotundatis c. 1 mm longis, crista dorsali submarginali c. 1.5 mm longa incrassata.

Typus: *Craven & Schodde* 1397 (holotypus L, isotypi CANB, LAE).

Distribution — PAPUA NEW GUINEA: Morobe District, Aseki Patrol Area, near Kwaimengu: *Craven & Schodde* 1397 (type).

4. *Poikilogyne cordifolia* (Cogn.) Mansf. var. *ledermannii* (Mansf.) Maxw., stat. nov.

Poikilogyne ledermannii Mansf., Bot. Jahrb. 60 (1926) 111.

5. *Poikilogyne diastematica* Maxw., sp. nov.

Per ramulos acute 4-angulatis ad 4-alatos laeves glabros, flores 4-meros, stamina diastemate inter basim loculorum antherae filamentumque distincta.

Typus: Carr 15101 (holotypus SING, isotypi: SING, L, AAU, K)

Distribution — PAPUA NEW GUINEA, Central Division: *Owen Stanley Range*, NW. of the Gap: *Carr 15101* (type).

6. **Poikilogyne grandiflora** Maxw., sp. nov.

Omnino laevis et quasi glabra, laminibus suborbicularibus, floribus fructibusque maximis in genere cognita distincta. Tubus calycis infundibuliformis ca. 8 mm longis undis marginalibus 5 ca. 0.5 mm altis coriacues. Petala perinde incrassata asymmetrice obovata in alabastro ca. 14 mm longa 7 mm lata. Capsulae subgloboso-urceolatae incrassatae prominenter cristata 11-12 mm longae 8-9 mm diam. in sicco apicibus conicis 5-porcatis margini areoli complanis.

Typus: Brass 22835 (holotypus L, isotypus A).

Distribution — PAPUA NEW GUINEA, Milne Bay District: *Maneau Range*, north slope of Mt. Dayman, 2100 m: *Brass 22835* (type), Mt. Suckling: *Stevens & Veldkamp 54118*.

7. **Poikilogyne multiflora** Maxw., sp. nov. (Fig. 7, A-J).

Ramuli inflorescentiae infrutescentiaeque dense furfuracei cum vel sine setis glabris 1-2 mm longis. Laminae suborbiculares 15-24 cm longae 12-19.5 cm latae tenues plerumque superne glabrae, infra minute scabrae, apice acuto, basi cordata. Inflorescentiae terminales paniculatae pluriflorae ad c. 30 cm longae. Flores 5-meri. Tubus calycis 3-4 mm longus sparse furfuraceus saepe setis dispersis, lobis late rotundatis c. 0.5 mm longis cuspidatis dorso carinatus vel crista lateraliter complanata. Capsulae 6-7 mm longae prominenter 10-porcatae. Semina cuneata papillata c. 0.5 mm longa.

Typus: Streimann & Kairo 47541 (holotypus L, isotypi LAE, BRI, CANB, A, K, BO, SING, SYD).

Distribution — PAPUA NEW GUINEA: West Sepik District, Telefomin Subdistrict, Prospect Creek near Frieda River: *Henty & Foreman 42513*; Prospect & Kokoma Creeks: *Henty & Foreman 42677*; Eastern Highlands District, Okapa to Wanitabi: *Coode & Lelean 29918*; Morobe District, Wau Subdistrict — Kulai Creek, 5 miles south of Wau: *Hartley 11489*; Mt. Kaindi: *Whiffin et al. 60317*; New Uamap, head of Bamie Creek: *Streimann & Kairo 47541* (type); Milne Bay District, Normanby Island, Mt. Solomonai: *Croft et al. 68934*.

8. **Poikilogyne velutina** Maxw., sp. nov. (Fig. 8, A-D).

A indumento pilorum puberulorum ad 0.75 mm longorum dense velutino in ramulis foliis inflorescentiisque lobis calycis subulatis, ca. 7 mm longis distincta.

Typus: Hartley 12774 (holotypus L)

Distribution — PAPUA NEW GUINEA, Morobe District: above Bakaia, moss forest, c. 2700 m: *Hartley 12774* (type).

9. **Poikilogyne villosa** Maxw., sp. nov.

Ramuli, folia, axes inflorescentiarum et infrutescentiarumque, calyces, capsulaeque villosi pilis mollibus glandulosis eglandulosisque. Inflorescentiae axillares terminalesque. Flores 4-meri. Lobi calycis prominentes 1-4 mm longi.

Typus: Gillison 25350 (holotypus L; isotypi: BRI, CANB, AK, K).

Distribution — PAPUA NEW GUINEA, Milne Bay District: Mt. Ne near Ulanga Bay: *Gillison 25350* (type), Rossel Island, Kwa Mountain: *Henty 27067*, Sudest Island, Mt. Riu (west slope): *Brass 27883, 27923*.

Acknowledgements

I would like to thank Drs. R. Geesink and Dr. J.F. Veldkamp of the Rijksherbarium, Leiden for their valuable assistance in arranging for numerous specimens that were made available to me on loan and for various important technical matters, and Dr. J.F. Veldkamp for the Latin diagnoses and for various comments on my original descriptions. Thanks are due to Dr. B.C. Stone of the University of Malaya for his valuable comments on my manuscript and drawings. My visit to Leiden was made possible with the financial assistance of Prof. Dr. C.G.G.J. van Steenis, Director of the Flora Malesiana Foundation and Prof. Dr. C. Kalkman, Director of the Rijksherbarium, Leiden. I am also indebted to Dr. Kåre Bremer (Swedish Museum of Natural History, Stockholm) who located several valuable specimens in Paris for me which were subsequently sent to Singapore. Finally, I must express my sincere thanks to the curators and staff of all the herbaria who sent me specimens to study or welcomed me during my visits: A, AAU, ABD, B, BK, BKF, BM, BO, BR, BRI, CAL, EDIN, FI, G, HBG, K, KEP, KLU, L, LWG, MO, National University of Singapore, NY, P, SAN, SAR, U, UC, US, W and Z (abbreviations from Holmgren & Kruken, 1974).

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