



**Repertorium
Plantarum
Succulentarum
XXXVI (1985)**

Repertorium Plantarum Succulentarum XXXVI (1985)

*Index nominum novarum plantarum succulentarum anno
MCMLXXXV editorum nec non bibliographia taxonomica ab
U. Egli et N. P. Taylor compositus.*

International Organization for Succulent Plant Study
Internationale Organisation für Sukkulente nforchung

November 1986

Conventions Used in Repertorium Plantarum Succulentarum

- Repertorium Plantarum Succulentarum attempts to list, under separate headings, newly published names of succulent plants and relevant literature on the systematics of these plants, on an annual basis. New names noted after the issue for the relevant year has gone to press are included in later issues. Specialist periodical literature is scanned in full (as available at the libraries of K, Z, ZSS or received by the compilers), whereas the *Current Awareness List*, produced at the Royal Botanic Gardens, Kew, is used as the key to other literature. Also included is information supplied to the compilers direct. It is urgently requested that any reprints of papers not published in readily available botanical literature be sent to one of the compilers.
- Validly published names are given in bold face type, accompanied by an indication of the nomenclatural type (name or specimen dependent on rank), followed by the herbarium acronyms of the herbaria where the holotype and possible isotypes are deposited (first acronym for holotype), according to Index Herbariorum ed. 7 and supplements as published in Taxon. Invalid, illegitimate, or incorrect names are given in italic type face. In either case a full bibliographic reference is given. For new combinations, the basionym is also listed. For invalid or illegitimate names, the articles of the ICBN which have been contravened are indicated in brackets.
- The compilers would like to point out that they do not accept any names that might be inadvertently validated in this volume of RPS.
- Bibliographic details of papers only dealing with the description of one or two new taxa are given only in the nomenclatural section and are not repeated in the bibliographical section.
- Abbreviations used for periodicals are those suggested in 'A Bibliography of Succulent Plant Periodicals' (U. Eggli in Bradleya 3: 103-119. 1985) for specialized periodicals, or those of Bibliographia Periodicorum Huntianum for other periodicals.

Konventionen im Zusammenhang mit dem Repertorium Plantarum Succulentarum

- Das Repertorium Plantarum Succulentarum ist eine jährlich herausgegebene Zusammenstellung neuer Namen für sukkulente Pflanzen und der relevanten systematischen Literatur. Neue Namen, die nach dem Abschluss der Ausgabe des betreffenden Jahres bekannt werden, erscheinen in der nächsten erreichbaren Ausgabe. Spezialisierte Zeitschriften werden umfassend durchgesehen, soweit sie in den Bibliotheken von K, Z und ZSS vorhanden sind oder den Herausgebern vorliegen. Die *Current Awareness List* der Royal Botanic Gardens, Kew, wird als Grundlage für die übrige botanische Literatur verwendet. Die Herausgeber bitten alle Autoren dringend, Separata relevanter Publikationen zur Verfügung zu stellen, vor allem wenn es sich um Beiträge in schwer zugänglichen Serien handelt.
- Gültig veröffentlichte Namen werden in Fettschrift wiedergegeben unter Angabe des nomenklatorischen Typs (Name oder Belegexemplar je nach Rangstufe; gefolgt von den Herbarabkürzungen [entsprechend Index Herbariorum, ed. 7, und in Taxon publizierten Supplementen] der Hinterlegungsorte für Holotyp [1. Abkürzung] und Isotypen). Ungültige oder illegitime Namen erscheinen in Kursivschrift unter Angabe (in Klammer) derjenigen Artikel des ICBN, die verletzt worden sind. In allen Fällen folgen die kompletten bibliographischen Angaben. Für Umkombinationen wird auch das Basionym angegeben.
- Die Herausgeber weisen mit aller Deutlichkeit darauf hin, dass sie keinen Namen anerkennen, der zufälligerweise in dieser Ausgabe des RPS validiert worden sein könnte.
- Beiträge, welche nur Beschreibungen eines oder zweier Taxa enthalten, werden in der bibliographischen Liste nicht separat aufgeführt.
- Die Abkürzungen für spezialisierte Sukkulenten-Zeitschriften richten sich nach 'A Bibliography of Succulent Plant Periodicals' (U. Eggli in Bradleya 3: 103-119. 1985), für allgemeine botanische Zeitschriften nach Bibliographia Periodicorum Huntianum.

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PREFACE

As a new feature starting with the present issue of *Repertorium Plantarum Succulentarum*, the scope of and conventions used in the publication are briefly explained on the second page. Those readers active in research concerning succulent plants should kindly note that the compilers are greatly aided if reprints of relevant works are supplied upon publication, especially if such papers have been published in journals not likely to be available to the compilers.

In recent years a trend towards deliberate publication of so-called '*nomina nuda*' has developed, although the names concerned have very often been accompanied by quite detailed descriptions and also illustrations. In view of this we have decided to list such *invalid names* in future even if they are clearly indicated as '*nomina nuda*'. We do so in the hope of discouraging future use of these ill-founded names, which may otherwise seem available for use to the uninformed reader of such publications.

In line with current policy at the Herbarium, Kew, we are adopting a narrower definition of the families of monocotyledons. Therefore, in this issue, readers will find certain genera, e.g. some of those formerly treated in *Liliaceae* and *Agavaceae*, referred to *Aloeaceae* and *Dracaenaceae*, respectively.

As it has become customary in recent issues, a number of corrections to earlier volumes of RPS are appended to this preface.

VORWORT

Als Neuheit findet sich in dieser Ausgabe des *Repertorium Plantarum Succulentarum* auf der zweiten Seite erstmals eine Zusammenstellung der benutzten Konventionen.

Diejenigen Leser, welche aktiv in der Sukkulantenforschung arbeiten, werden dringend gebeten, den Herausgebern Separata ihrer Beiträge zukommen zu lassen, vor allem wenn solche Beiträge in schwer zugänglicher Literatur erschienen sind.

In den letzten Jahren wurden vermehrt sogenannte '*nomina nuda*' publiziert, oft von detaillierten Beschreibungen und Abbildungen begleitet. Aus diesem Grunde haben wir uns entschlossen, solche *ungültigen Namen* in Zukunft auch dann aufzunehmen, wenn sie in der Originalpublikation als '*nomina nuda*' bezeichnet sind. Wir hoffen, damit die fehlerhafte zukünftige Verwendung solcher Namen einschränken zu können.

Entsprechend den neueren Entwicklungen in der Klassifikation der Monokotyledonen akzeptieren wir ab dieser Ausgabe etwas geänderte Definitionen für einige Familien. So sind einige Gattungen, die früher unter den *Liliaceae* und *Agavaceae* zu finden waren, nun unter *Aloeaceae* oder *Dracaenaceae* aufgeführt.

Wie es bereits in früheren Ausgaben zur Regel geworden ist, wird auch dieses Vorwort von einigen Korrekturen gefolgt.

- The names *Frailea albifusca*, *F. albicolumnaris*, *F. asperispina*, *F. aureispina*, *F. aureispina* var. *pallidior*, *F. horstii*, *F. perumbilicata* and *F. perumbilicata* var. *spiniosior*, all of F. Ritter, are given as having been published in 'Kakteen in Südamerika', vol. 1 (1979) in RPS 30: 6 (1979). The original descriptions, however, first appeared in *Succulenta* 49: 184-185 (1970). No other names of F. Ritter are presently known to have been included in earlier issues of RPS with mistaken bibliographical details, but if further errors come to light they will of course be reported.

Die Namen *Frailea albifusca*, *F. albicolumnaris*, *F. asperispina*, *F. aureispina*, *F. aureispina* var. *pallidior*, *F. horstii*, *F. perumbilicata* and *F. perumbilicata* var. *spiniosior*, alle durch F. Ritter veröffentlicht, wurden in RPS 30: 6 (1979) als in 'Kakteen in Südamerika', Band 1 (1979), publiziert angegeben. Diese Erstbeschreibungen erschienen jedoch zuerst in *Succulenta* 49: 184-185 (1970). Im Moment sind keine weiteren Ritter-Namen bekannt, für die frühere Ausgaben des RPS falsche Angaben machen. Falls jedoch weitere solche Fälle bekannt werden sollten, werden wir sie an dieser Stelle aufführen.

- *Frailea pseudograhliana* F. Ritter has been given as valid in RPS 30: 6 (1979), but is in fact invalid under Art. 37 (cf. Art. 33, Note 1).

Frailea pseudograhliana F. Ritter wurde in RPS 30: 6 (1979) als gültig aufgeführt, muss jedoch unter Art. 37 als ungültig betrachtet werden (vgl. Art. 33, Note 1).

- *Notocactus otonis* var. *tortuosus* is given as a new combination ascribed to Prestlé in RPS 35: 5 (1984). The combination was originally published by Backeberg, *Die Cact.* 3: 1639-1640 (1959), however, and was ascribed to A. Berger.

Notocactus otonis var. *tortuosus* wurde in RPS 35: 5 (1984) K. H. Prestlé zugeschrieben. Die Kombination wurde jedoch erstmals von Backeberg, *Die Cact.* 3: 1639-1640 (1959) publiziert, der sie A. Berger zuschrieb.

- *Euphorbia namuskluftensis* was reported as described by Lavranos in RPS 34: 9 (1983), but was in fact described by L. C. Leach.

Euphorbia namuskluftensis ist in RPS 34: 9 (1983) mit Lavranos als Autor aufgeführt, ist aber von L. C. Leach beschrieben worden.

NOMINA NOVA

AGAVACEAE

- Agave papyriocarpa** ssp. **macrocarpa** Alvarez de Zayas, Rev. Jard. Bot. Nacion. Univ. Habana 5(3): 7. 1984. Typus: *A. Alvarez 43981A* (HAJB).
- Agave tubulata** ssp. **brevituba** Alvarez de Zayas, Rev. Jard. Bot. Nacion. Univ. Habana 5(3): 7. 1984. Typus: *R. Berazain 24711* (HAJB).

AIZOACEAE

- Brownanthus arenosus** (Schinz) Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 316. 1985. Basionym: *Mesembryanthemum arenosum*.
- Brownanthus ciliatus** ssp. **schenckii** (Schinz) Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 316. 1985. Basionym: *Mesembryanthemum schenckii*.
- Brownanthus corallinus** (Thunb.) Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 316. 1985. Basionym: *Mesembryanthemum corallinum*.
- Brownanthus kuntzei** (Schinz) Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 316. 1985. Basionym: *Mesembryanthemum kuntzei*.
- Brownanthus schlichtianus** (Sonder) Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 316. 1985. Basionym: *Mesembryanthemum schlichtianum*.
- Pseudobrownanthus** Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 319. 1985. Typus: *P. nucifer* Ihlenfeldt & Bittrich.
- Pseudobrownanthus nucifer** Ihlenfeldt & Bittrich, Bot. Jahrb. 105(3): 320. 1985. Typus: *Ihlenfeldt, Jürgens & Bittrich 9753* (HBG).

ALOEACEAE

- Aloe komaggasensis** Kritzinger & van Jaarsveld, S. Afr. J. Bot. 51(4): 287, ill. 1985. Typus: *Kritzinger 12* (NBG, PRE).
- Aloe sheilae** Lavranos, Cact. Succ. J. (US) 57(2): 71-72, ills. 1985. Typus: *S. Collenette 3397* (K).
- Haworthia** ser. **Attenuatae** (Pilbeam) Rowley, *Haworthia* Drawings J. T. Bates, 14. 1985. Basionym: *Haworthia* subsect. *Attenuatae*.
- Haworthia** ser. **Fusifformes** (Bark.) Rowley, *Haworthia* Drawings J. T. Bates, 14. 1985. Basionym: *Haworthia* sect. *Fusifformes*.
- Haworthia** ser. **Limpidae** (A. Berger) Rowley, *Haworthia* Drawings J. T. Bates, 13. 1985. Basionym: *Haworthia* sect. *Limpidae*.
- Haworthia** ser. **Obtusatae** (A. Berger) Rowley, *Haworthia* Drawings J. T. Bates, 14. 1985. Basionym: *Haworthia* sect. *Obtusatae*.

- Haworthia** ser. **Proliferae** (Pilbeam) Rowley, *Haworthia* Drawings J. T. Bates, 14. 1985. Basionym: *Haworthia* subsect. *Proliferae*.
- Haworthia** ser. **Scabrae** (A. Berger) Rowley, *Haworthia* Drawings J. T. Bates, 14. 1985. Basionym: *Haworthia* sect. *Scabrae*.
- Haworthia** ser. **Turgidae** (Pilbeam) Rowley, *Haworthia* Drawings J. T. Bates, 14. 1985. Basionym: *Haworthia* subsect. *Turgidae*.
- Haworthia fasciata** var. **browniana** (v. Pöhl.) C. L. Scott, Genus *Haworthia*, 21. 1985. Basionym: *H. browniana*.
- Haworthia multilineata** (G. G. Smith) C. L. Scott, Genus *Haworthia*, 134. 1985. Basionym: *H. retusa* var. *multilineata*.

ASCLEPIADACEAE

- Brachystelma medusanthemum** Lebrun, Stork & Wüest, Bull. Mus. Nation. Hist. Nat., Ser. B, Adansonia 6(4): 491-494, ill. 1985. Typus: *R. Demange 2938* (ALF). [Volume for 1984, published 1985.]
- Caralluma staintonii** Hara, J. Jap. Bot. 52(12): 357. 1977. Typus: *J. D. A. Stainton 5410* (BM).
- Ceropegia africana** ssp. **barklyi** Bruyns, *Bradleya* 3: 35, 34 (ill.). 1985. Typus: *Bowker s.n.*, 1876 (K). [Based on *Ceropegia barkleyi* but treated as new to conserve the familiar spelling.]
- Ceropegia fimbriata** ssp. **connivens** (Dyer) Bruyns, *Bradleya* 3: 26. 1985. Basionym: *C. connivens*.
- Ceropegia fimbriata** ssp. **geniculata** (Dyer) Bruyns, *Bradleya* 3: 26. 1985. Basionym: *C. geniculata*.
- Ceropegia linearis** ssp. **tenuis** (N. E. Br.) Bruyns, *Bradleya* 3: 40. 1985. Basionym: *C. tenuis*.
- Ceropegia mansouriana** Chaudhary & Lavranos, Notes Roy. Bot. Gard. Edinburgh 42(2): 317, ill. 1985. Typus: *S. Chaudhary 900A* (RIY).
- Ceropegia tihamana** Chaudhary & Lavranos, Notes Roy. Bot. Gard. Edinburgh 42(2): 316, ill. 1985. Typus: *S. Chaudhary 910A* (RIY).
- Notechidnopsis** Lavranos & M. B. Bleck, Cact. Succ. J. (US) 57(6): 255-256, ills. 1985. Typus: *Caralluma tessellata* Pillans.
- Notechidnopsis columnaris** (Nel) Lavranos & M. B. Bleck, Cact. Succ. J. (US) 57(6): 256-257, ill. 1985. Basionym: *Trichocaulon columnare*. Neotypus: *E. van Jaarsveld 2538* (NBG).
- Notechidnopsis tessellata** (Pillans) Lavranos & M. B. Bleck, Cact. Succ. J. (US) 57(6): 256, ill. 1985. Basionym: *Caralluma tessellata*.

- Stapelia macowanii** var. **conformis** (N. E. Br.)
Leach, *Excelsa Tax. Ser. No. 3*, 66-67, ill.
1985. Basionym: *S. conformis*. Lectotypus:
"Plant from near Grahamstown", cult. Kew,
16. 9. 1898 (K).
- Stapelia schinzii** var. **bergeriana** (Dinter)
Leach, *Excelsa Tax. Ser. No. 3*, 74. 1985.
Basionym: *S. bergeriana*. Lectotypus: *Dinter*
2697 (SAM).
- Trichocaulon felinum** D. T. Cole, *Aloe* 22(1):
6-7, ill. 1985. Typus: *Cole* CX 441 (PRE).

CACTACEAE

- Arrojadoa rhodantha** var. **occibahiensis** P. J.
Braun, *Kakt. and. Sukk.* 36(6): 114-115, ill.
1985. Typus: *Horst & Uebelmann* HU 616
(ZSS).
- Cereus bicolor** Rizzini & Mattos, *Rev. Brasil*
Biol. 45(3): 307. 1985. Typus: *Rizzini, Mattos*
& *Saddi s.n.*, 17. 10. 1983 (RB).
- Coleocephalocereus braunii** Diers & Esteves
Pereira, *Kakt. and. Sukk.* 36(2): 28-35, ill.
1985. Typus: *P. J. Braun* 470 (KOELN,
ZSS).
- Disocactus** 'Frühlingsanfang' Petersen, *Kakt.*
and. Sukk. 36(2): 25, ill. 1985. (*D.*
macranthus (*Lau* 1263) x *D. nelsonii*.)
- x **Disochia** 'Märzsonne' Petersen, *Kakt. and.*
Sukk. 36(2): 25, ill. 1985. (*Disocactus*
macranthus (*Lau* 1263) x *Nopalxochia*
phyllanthoides.)
- x **Echinobivia** 'Leibnitz' G. Unger, *Kakt. and.*
Sukk. 36(11): 242-243, ill. 1985. (*Lobivia*
backebergii var. *hertrichiana* x *Echinopsis*
eyriesii.)
- Echinocereus** sect. **Morangaya** (G. Rowley) N.
P. Taylor, *Genus Echinocereus*, 31. 1985.
Basionym: *Morangaya, pro gen.* Typus: *E.*
pensilis (K. Brandegee) J. Purpus.
- Echinocereus** sect. **Pulchellus** N. P. Taylor,
Genus Echinocereus, 140. 1985. Typus: *E.*
pulchellus (C. Martius) Schumann.
- Echinocereus** sect. **Reichenbachii** N. P. Taylor,
Genus Echinocereus, 105. 1985. Typus: *E.*
reichenbachii (Terscheck ex Walp.) Hort. F. A.
Haage.
- Echinocereus** sect. **Wilcoxia** (B. & R.) N. P.
Taylor, *Genus Echinocereus*, 134. 1985.
Basionym: *Wilcoxia, pro gen.* Typus: *E.*
poselgeri Lemaire.
- Echinocereus** ser. **Compacti** H. Kunzmann,
Kakt. and. Sukk. 36(4): 76. 1985. Typus: *E.*
triglochidiatus Engelm.
- Echinocereus** ser. **Decalophi** (Salm-Dyck) H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 74. 1985.
Nom. inval. (Art. 33.2), based on *Cereus*
[infrageneric group] *Decalophi* Salm-Dyck.
[Lectotype (of Kunzmann, unnecessarily
superseding choice of *E. fendleri* by Buxbaum,
1974): *E. stramineus* (Engelm.) Rümpler.]
- Echinocereus** ser. **Pectinati** (Salm-Dyck) H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 74. 1985.
Nom. inval. (Art. 33.2), based on *Cereus*
[infrageneric group] *Pectinati* Salm-Dyck.
- Echinocereus** ser. **Penicillati** H. Kunzmann,
Kakt. and. Sukk. 36(4): 78. 1985. Typus: *E.*
longisetus (Engelm.) Lemaire.
- Echinocereus** subser. **Breviseti** H. Kunzmann,
Kakt. and. Sukk. 36(4): 79. 1985. Typus: *E.*
nivosus Glass & Foster.
- Echinocereus** subser. **Brevispini** H. Kunzmann,
Kakt. and. Sukk. 36(4): 79. 1985. *Nom. illeg.*
(Art. 63.1), based on *E. pectinatus* (Scheidw.)
Engelm., the type of *E. subser. Pectinati*
(Salm-Dyck) Schumann (1898).
- Echinocereus** subser. **Echinacanthi** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 79. 1985.
Typus: *E. grandis* Britton & Rose.
- Echinocereus** subser. **Engelmannianae** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 78. 1985.
Typus: *E. engelmannii* (Parry ex Engelm.)
Lemaire.
- Echinocereus** subser. **Fendlerianae** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 77. 1985.
Nom. illeg. (Art. 63.1), based on *E. fendleri*
(Engelm.) Rümpler, which was designated
lectotype of *E. subser. Decalophi* (Salm-Dyck)
Schumann by Buxbaum (1974).
- Echinocereus** subser. **Matthesianae** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 75. 1985.
Nom. inval. (Art. 37), based on *E.*
matthesianus Backeb., *nom. inval.* (Arts. 9.5,
37).
- Echinocereus** subser. **Nigrispini** H. Kunzmann,
Kakt. and. Sukk. 36(4): 80. 1985. Typus: *E.*
palmeri Britton & Rose.
- Echinocereus** subser. **Pectinispini** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 80. 1985.
Nom. inval. (Arts. 22.1, 32.1(b)), based on *E.*
viridiflorus Engelm. (*typus generis*).
- Echinocereus** subser. **Peniculispini** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 80. 1985.
Typus: *E. russanthus* Weniger.
- Echinocereus** subser. **Roseiani** H. Kunzmann,
Kakt. and. Sukk. 36(4): 76. 1985. Typus: *E.*
rosei Wootton & Standley.
- Echinocereus** subser. **Straminei** H. Kunzmann,
Kakt. and. Sukk. 36(4): 77. 1985. Typus: *E.*
stramineus (Engelm.) Rümpler.
- Echinocereus** subser. **Triglochidiati** H.
Kunzmann, *Kakt. and. Sukk.* 36(4): 76. 1985.
Typus: *E. triglochidiatus* Engelm. [Can also
be considered a *stat. nov.* for *E. sect.*
Triglochidiata H. Bravo-H. (1973) with
corrected orthography.]

- Echinocereus adustus** var. **schwarzii** (A. Lau) N. P. Taylor, Kew Mag. 2(2): 268. 1985. Basionym: *E. schwarzii*.
- Echinocereus bristolii** var. **pseudopectinatus** N. P. Taylor, Genus Echinocereus, 120. 1985. Typus: A. Lau 607, ex cult. N. P. Taylor (K).
- Echinocereus chisoensis** var. **fobeanus** (Oehme) N. P. Taylor, Kew Mag. 2(2): 261. 1985. Basionym: *E. fobeanus*. Lectotypus: Beitr. Sukk.-Kunde Pflege 1940(3): 49 (fig.).
- Echinocereus delaetii** var. **freudenbergeri** (G. R. W. Frank) N. P. Taylor, Genus Echinocereus, 97. 1985. Basionym: *E. freudenbergeri*.
- Echinocereus fendleri** var. **fasciculatus** (Engelm. ex B. D. Jackson) N. P. Taylor, Kew Mag. 2(2): 252. 1985. Basionym: *Mammillaria fasciculata*.
- Echinocereus fendleri** var. **ledingii** (Peebles) N. P. Taylor, Kew Mag. 2(2): 253. 1985. Basionym: *E. ledingii*.
- Echinocereus ferreirianus** var. **lindsayi** (Meyran) N. P. Taylor, Genus Echinocereus, 46. 1985. Basionym: *E. lindsayi*.
- Echinocereus leucanthus** N. P. Taylor, Genus Echinocereus, 136. 1985. *Nom. nov. pro Wilcoxia albiflora* Backeb., non *Echinocereus albiflorus* Weingart.
- Echinocereus maritimus** var. **hancockii** (E. Dawson) N. P. Taylor, Genus Echinocereus, 44. 1985. Basionym: *E. hancockii*.
- Echinocereus pentalophus** var. **leonensis** (Mathson) N. P. Taylor, Genus Echinocereus, 78. 1985. Basionym: *E. leonensis*. Lectotypus: Monatsschr. Kakt.-Kunde 1: 66 (plate).
- Echinocereus primolanatus** F. Schwarz ex N. P. Taylor, Genus Echinocereus, 130. 1985. Typus: cult. D. Parker 1985, ex S Coahuila (K). [Syn. *E. primolanatus* F. Schwarz ex Backeb., *nom. inval.* (Arts. 37, 9.5).]
- Echinocereus pulchellus** var. **weinbergii** (Weingart) N. P. Taylor, Kew Mag. 2(2): 272. 1985. Basionym: *E. weinbergii*. Neotypus: Britton & Rose, Cact. 3: 29, fig. 32 (1922).
- Echinocereus reichenbachii** var. **armatus** (Poselger) N. P. Taylor, Genus Echinocereus, 133. 1985. Basionym: *Cereus pectinatus* [var. α] *armatus*.
- Echinocereus reichenbachii** var. **baileyi** (Rose) N. P. Taylor, Genus Echinocereus, 133. 1985. Basionym: *E. baileyi*.
- Echinocereus schmollii** (Weingart) N. P. Taylor, Genus Echinocereus, 140. 1985. Basionym: *Cereus schmollii*. Lectotypus: Monatsschr. Deutsche Kakt.-Ges. 3: 251 (fig.).
- Echinocereus scirus** var. **floresii** (Backeb.) N. P. Taylor, Genus Echinocereus, 115. 1985. Basionym: *E. floresii*.
- Echinocereus stoloniferus** var. **tayopensis** (W. T. Marsh.) N. P. Taylor, Kew Mag. 2(2): 258. 1985. Basionym: *E. tayopensis*.
- Echinocereus viereckii** var. **morricallii** (Riha) N. P. Taylor, Genus Echinocereus, 93. 1985. Basionym: *E. morricallii*.
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- Erythrorhopsis campos-portoana** (Loefgren) Volgin, Vestn. Moskovsk. Univ. Ser. 16, Biol. 36(3): 19. 1981. Basionym: *Rhipsalis campos-portoana*.
- Erythrorhopsis cereuscula** (Haw.) Volgin, Vestn. Moskovsk. Univ. Ser. 16, Biol. 36(3): 19. 1981. Basionym: *Rhipsalis cereuscula*.
- Erythrorhopsis cribrata** (Lem.) Volgin, Vestn. Moskovsk. Univ. Ser. 16, Biol. 36(3): 19. 1981. Basionym: *Hariota cribrata*.
- Espostoa baumannii** var. **arborescens** Knize, Biota 7: 263. 1969. Typus: Knize 299 (not indicated).
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- x **Ferofossulocactus 'Leibnitz'** G. Unger, Kakt. and. Sukk. 36(11): 243, ill. 1985. (*Ferocactus macrodiscus* x *Echinofossulocactus coptonogonus*.)
- Gymnocalycium** subgen. **Pirisemineum** Till & Hesse, Pl. Syst. Evol. 149(1-2): 151. 1985. Typus: *G. zegarrae* Cardenas.
- Gymnocalycium alboareolatum** Rausch, Succulenta 64(10): 213-214, ill. 1985. Typus: Rausch 716 (ZSS).
- Gymnocalycium erinaceum** J. Lambert, Succulenta 64(3): 64-66, ill. 1985. Typus: J. Lambert 40 (U).
- Gymnocalycium kieslingii** O. Ferrari, Cact. Succ. J. (US) 57(6): 244-246, ills. 1985. Typus: O. Ferrari 19/1980 (SI).
- Gymnocalycium kieslingii** fa. **alboareolatum** O. Ferrari, Cact. Succ. J. (US) 57(6): 246. 1985. Typus: O. Ferrari s. n., 1982 (SI).
- Gymnocalycium kieslingii** fa. **castaneum** O. Ferrari, Cact. Succ. J. (US) 57(6): 246. 1985. Typus: O. Ferrari s. n., 1974 (SI).
- Gymnocalycium schatzlianum** Strigl & W. Till, Kakt. and. Sukk. 36(12): 250-253, ills. 1985. Typus: Rausch 541 ex cult. H. Till 1326 (WU).
- Heliocereus luzmariae** Scheinvar, Cact. Succ. J. (US) 57(6): 268-275, ills. 1985. Typus: H. Arreola & R. Guzman S. 33 (MEXU).
- Lobivia shaferei** fa. **cylindracea** (Backeb.) E. Herzog, Kakt./Sukk. 19(1/2): 3. 1985. Basionym: *L. cylindracea*.
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- inval.*, based on *Pseudolobivia luteiflora*, *nom. inval.*, (Art. 9.5).
- Lobivia shaferi** ssp. *aurea* (B. & R.) E. Herzog, *Kakt./Sukk.* 19(1/2): 6. 1985. Basionym: *Echinopsis aurea*.
- Lobivia shaferi** ssp. *fallax* (Oehme) E. Herzog, *Kakt./Sukk.* 19(1/2): 14. 1985. Basionym: *L. fallax*.
- Lobivia shaferi** ssp. *leucomalla* (Wessner) E. Herzog, *Kakt./Sukk.* 19(1/2): 10. 1985. Basionym: *L. leucomalla*.
- Lobivia shaferi** ssp. *rubriflora* E. Herzog, *Kakt./Sukk.* 19(1/2): 13. 1985. *Nom. inval.* (art. 33.2).
- Lobivia shaferi** var. *albiflora* (Rausch) E. Herzog, *Kakt./Sukk.* 19(1/2): 9. 1985. Basionym: *L. aurea* var. *albiflora*.
- Lobivia shaferi** var. *flaviflora* (Spegazzini) E. Herzog, *Kakt./Sukk.* 19(1/2): 3. 1985. *Nom. inval.* (art. 33.2), based on *Cereus huascha* var. *flaviflora*.
- Lobivia shaferi** var. *quinesensis* (Rausch) E. Herzog, *Kakt./Sukk.* 19(1/2): 11. 1985. Basionym: *Echinopsis aurea* var. *quinesensis*.
- Mammillaria baumii** var. *radiissima* (Lindsay) Neutelings, *Succulenta* 64(11): 232, ill. 1985. *Nom. inval.* (Art. 33.2), based on *M. radiissima*.
- Mammillaria duwei** Rogozinski & P. J. Braun, *Kakt. and. Sukk.* 36(8): 158-164, ills. 1985. Typus: *Duwe & Rogozinski* 1 (KOELN).
- Mammillaria glassii** var. *nominis-dulcis* A. B. Lau, *Cact. Succ. J. (US)* 57(5): 198, ills. 1985. Typus: *Lau* 1186A (UNAM).
- Mammillaria glassii** var. *siberiensis* A. B. Lau, *Cact. Succ. J. (US)* 57(5): 198, ills. 1985. Typus: *Lau* 1322 (UNAM).
- Mammillaria limonensis** Reppenhagen, *Kakt. and. Sukk.* 36(3): 44-46, ills. 1985. Typus: *Reppenhagen* 1620 (K).
- Mammillaria perezdelarosae** H. Bravo-H. & Scheinvar, *Cact. Suc. Mex.* 30(4): 76-80, ills., SEM-ills. 1985. Typus: *H. Bravo & L. Scheinvar* 3938 (MEXU).
- Mammillaria pilensis** Shurly ex Eggl, *Bradleya* 3: 102. 1985. Typus: *Schwarz s.n. ex Hort. Shurly* (K).
- Mammillaria variabilis** Reppenhagen, *Kakt. and. Sukk.* 36(10): 206-207, ill. 1985. Typus: *Reppenhagen* 1393 (K).
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- Monvillea adelmari** Rizzini & Mattos, *Rev. Brasil Biol.* 45(3): 301. 1985. Typus: *Adelmar F. Coimbra s. n.*, 16. 11. 1983 (RB).
- Monvillea saddiana** Rizzini & Mattos, *Rev. Brasil Biol.* 45(3): 304. 1985. Typus: *Mattos & Saddi* 3648 (RB).
- Morawetzia variicolor** Knize, *Biota* 7: 254. 1969. Typus: *Knize* 345 (= *Soukup* 6181) (SMF 5972, ZSS).
- Notocactus brederooianus** Prestlé, *Succulenta* 64(4): 84-87, ills., SEM-ills. 1985. Typus: *Prestlé* 81 (U).
- Notocactus discocephalum** Prestlé, *Internoto* 6(2): 60-62, ills. 1985. *Nom. inval.* (Art. 36.1).
- Notocactus erythracanthus** Schlosser & Brederoo ex Schlosser, *Kakt. and. Sukk.* 36(9): 186-189, ills. 1985. Typus: *Schlosser* 165 (MVM).
- Notocactus gladius** (Link & Otto) Prestlé & Sida, *Internoto* 6(4): 121-127, ill. 1985. *Nom. inval.* (Arts. 33.2, 34.1), based on *Echinocactus gladius*.
- Notocactus ibicuiensis** Prestlé, *Internoto* 6(4): 99-103, ills., SEM-ills. 1985. Typus: *F. Stockinger* 116 (U).
- Notocactus olimarensis** Prestlé, *Internoto* 6(3): 94-95, ill. 1985. *Nom. inval.* (Art. 36.1).
- Notocactus riosusannensis** Prestlé, *Internoto* 6(1): 30-31, ill. 1985. *Nom. inval.* (Art. 36.1).
- Notocactus stockingeri** Prestlé, *Succulenta* 64(11): 225-229, ills., SEM-ills. 1985. Typus: *F. Stockinger* 141 (U).
- Oroya baumanii** Knize, *Biota* 7: 254. 1969. Typus: *Knize* 380 (ZSS).
- Oroya baumanii** var. *rubripina* Knize, *Biota* 7: 255. 1969. Typus: *Knize* 238a (ZSS).
- Oroya gibbosa** var. *citriflora* Knize, *Biota* 7: 255. 1969. *Nom. inval.* (Art. 43), based on *Knize* 386 (? = *Soukup* 6250) (herb. SMF 6041, ZSS).
- Oroya peruviana** var. *baumanii* (Knize) Slaba, *Kaktusy* 21(1): 10. 1985. Basionym: *O. baumanii*.
- Oroya peruviana** var. *citriflora* (Knize) Slaba, *Kaktusy* 21(1): 9. 1985. Basionym: *O. gibbosa* var. *citriflora*.
- Oroya peruviana** var. *depressa* (Rauh & Backeb.) Slaba, *Kaktusy* 21(1): 9. 1985. Basionym: *O. neoperuviana* var. *depressa*.
- Oroya peruviana** var. *neoperuviana* (Backeb.) Slaba, *Kaktusy* 21(1): 7. 1985. Basionym: *O. neoperuviana*.
- Oroya suboculta** var. *laxiareolata* (Rauh & Backeb.) Slaba, *Kaktusy* 21(2): 34. 1985. Basionym: *O. laxiareolata*.
- Oroya suboculta** var. *pluricentralis* (Backeb.) Slaba, *Kaktusy* 21(2): 34. 1985. *Nom. inval.*, based on *O. laxiareolata* var. *pluricentralis* *nom. inval.* (Art. 9.5).
- Parodia argerichiana** Weskamp, *Kakt. and. Sukk.* 36(1): 8-9, ill. 1985. Typus: *D. Herzog* 108 (B).
- Parodia caineana** F. Brandt, *Letzeb. Cacteeffren* 6(2): 18. 1985. Typus: *ex cult. F. H. Brandt No. 99/a* (HEID).

- Parodia minima* Rausch, Succulenta 64(9): 177-178, ill. 1985. *Nom. illeg.* (Art. 64), *non P. minima* F. Brandt 1976.
- Parodia minuscula* Rausch, Succulenta 64(11): 230. 1985. *Nom. nov. pro P. minima* Rausch *non* F. Brandt. Typus: *Rausch 757* (ZSS).
- Parodia tojoensis* F. Brandt, Kakt. Orch.-Rundschau 10(2): 13-15, ill. 1985. Typus: *ex cult. Brandt 107/a* (HEID). [The same accession number is also given for *Weingartia ansaldoensis* !]
- Pilosocereus supthutianus* P. J. Braun, Kakt. and. Sukk. 36(5): 100-103, ill., (8): 170 [erratum]. 1985. Typus: *Horst & Uebelmann HU 547 anno 1982* (ZSS).
- Rebutia fabrisii* var. *nana* Rausch, Succulenta 64(5): 101-102, ill. 1985. Typus: *Rausch 688a* (ZSS).
- Rebutia wahliana* Rausch, Succulenta 64(12): 257-258, ill. 1985. Typus: *Rausch 654* (ZSS).
- Schlumbergera x reginae* McMillan & Orsich, Epiphytes 9(33): 8-9, ill. 1985. Typus: cv. 'Bristol Queen' (K). (*S. orsichiana* x *S. truncata*.)
- Sclerocactus blainei* Welsh & Thorne, Great Basin Nat. 45(3): 553, ill. 1985. Typus: *S. L. Welsh 20580* (BRY).
- Sulcorebutia albaoides* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 36. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia albaoides*.
- Sulcorebutia albaoides* ssp. *subfusca* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 36. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia albaoides* ssp. *subfusca*.
- Sulcorebutia albissima* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 37. 1985. Basionym: *Weingartia albissima*.
- Sulcorebutia brevispina* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 41. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia brevispina*.
- Sulcorebutia callecallsensis* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 41. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia callecallsensis*.
- Sulcorebutia clavata* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 45. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia clavata*.
- Sulcorebutia cochabambina* Rausch, Succulenta 64(7/8): 152-153, ill. 1985. Typus: *Rausch 275* (ZSS).
- Sulcorebutia croceareolata* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 47. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia croceareolata*.
- Sulcorebutia flavida* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 49. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia flavida*.
- Sulcorebutia formosa* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 50. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia formosa*.
- Sulcorebutia krugeri* ('krugeri') var. *hoffmanniana* (Backeb.) hort. ex J. Pilbeam, Sulcorebutia & Weingartia, 57. 1985. *Nom. inval.*, based on *Lobivia hoffmanniana*, *nom. inval.* (Art. 9.5).
- Sulcorebutia nigro-fusca* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 66. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia nigro-fusca*.
- Sulcorebutia oligacantha* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 67. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia oligacantha*.
- Sulcorebutia pasopayana* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 68. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia pasopayana*.
- Sulcorebutia perplexiflora* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 68. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia perplexiflora*.
- Sulcorebutia rubro-aurea* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 76. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia rubro-aurea*.
- Sulcorebutia sanguineo-tarijensis* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 76. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia sanguineo-tarijensis*.
- Sulcorebutia steinbachii* var. *polymorpha* (Cardenas) J. Pilbeam, Sulcorebutia & Weingartia, 80. 1985. Basionym: *Rebutia polymorpha*.
- Sulcorebutia tiraquensis* var. *bicolorispina* Knize ex J. Pilbeam, Sulcorebutia & Weingartia, 85. 1985. *Nom. inval.* (Art. 37.1), based on *Weingartia aglaia* F. Brandt.
- Sulcorebutia totoralensis* (F. Brandt) J. Pilbeam, Sulcorebutia & Weingartia, 90. 1985. *Nom. inval.* (Art. 34.1(a)), based on *Weingartia totoralensis*.
- Sulcorebutia totorensis* var. *lepida* (F. Ritter) J. Pilbeam ['J. Pilbeam ex Donald'], Sulcorebutia & Weingartia, 91. 1985. Basionym: *Sulcorebutia lepida*.
- Sulcorebutia unguispina* Rausch, Succulenta 64(6): 132-133, ill. 1985. Typus: *Rausch 731* (ZSS).
- Sulcorebutia verticillacantha* fa. *brevispina* (F. Brandt) J. Pilbeam ['Pilbeam ex Rausch'], Sulcorebutia & Weingartia, 97. 1985. Basionym: *Weingartia brevispina*. [Given as 'forma nov.']
- Sulcorebutia verticillacantha* var. *albispina* (Rausch) J. Pilbeam, Sulcorebutia & Weingartia, 95. 1985. Basionym: *S. vasqueziana* var. *albispina*.

Sulcorebutia verticillacantha var. **minima** (Rausch) J. Pilbeam, *Sulcorebutia & Weingartia*, 99. 1985. Basionym: *S. taratensis* var. *minima*.

Weberocereus bradei (B. & R.) D. R. Hunt, *Kew Mag.* 2(4): 341. 1985. Basionym: *Eccremocactus bradei*.

Weberocereus glaber (Eichlam) D. R. Hunt, *Kew Mag.* 2(4): 341. 1985. Basionym: *Cereus glaber*.

Weberocereus imitans (Kimm. & Hutchison) D. R. Hunt, *Kew Mag.* 2(4): 341. 1985. Basionym: *Werckleocereus imitans*.

Weberocereus tonduzii (F. A. C. Weber) D. R. Hunt, *Kew Mag.* 2(4): 341, ill. 1985. Basionym: *Cereus tonduzii*.

Weingartia ansaldoensis F. Brandt, *Kakt. Orch.-Rundschau* 10(3): 29-32, ills. 1985. Typus: *ex cult. F. Brandt 107/a* (HEID). [The same accession number is also given for the type of *Parodia tojoensis* !]

Weingartia attenuata F. Brandt, *Kakt. Orch.-Rundschau* 10(1): 1-3, ill. 1985. Typus: *Knize s. n. ex cult. Brandt 105/a* (HEID).

Weingartia pulquinensis var. **mairanensis** (Donald) J. Pilbeam, *Sulcorebutia & Weingartia*, 124. 1985. Basionym: *W. neocumingii* var. *mairanensis*.

Weingartia tarabucina F. Brandt, *Letzeb. Cacteeffren* 6(4): 57. 1985. Typus: *ex cult. F. H. Brandt No. 106/a* (HEID).

CRASSULACEAE

Amerosedum Löve & Löve, *Taxon* 34(2): 350. 1985. Based on *Sedum* sect. *Lanceolata* R. T. Clausen 1975. Typus: *Sedum lanceolatum* Torrey.

Amerosedum debile (S. Watson) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum debile*.

Amerosedum divergens (S. Watson) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum divergens*.

Amerosedum lanceolatum (Torrey) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum lanceolatum*.

Amerosedum leibergii (Britton) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum leibergii*.

Amerosedum nesioticum (G. N. Jones) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum nesioticum*.

Amerosedum radiatum (S. Watson) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum radiatum*.

Amerosedum radiatum ssp. **ciliatum** Löve & Löve, *Taxon* 34(2): 350. 1985. *Nom. nov.*, based on *Sedum ciliatum* Howell 1898.

Amerosedum radiatum ssp. **depauperatum** (R. T. Clausen) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum radiatum* ssp. *depauperatum*.

Amerosedum rupicolum (G. N. Jones) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum rupicolum*.

Amerosedum stenopetalum (Pursh) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum stenopetalum*.

Amerosedum stenopetalum ssp. **monanthum** (Suksdorf) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum monanthum*.

Amerosedum subalpinum (Blankinship) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum subalpinum*.

Breitungia Löve & Löve, *Taxon* 34(2): 350. 1985. Based on *Sedum* subg. *Gormania* sect. *Orogenica* R. T. Clausen 1940. Typus: *Sedum oreganum* Nutt.

Breitungia oregana (Nutt.) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum oreganum*.

Chetyson pulchellum (Michx.) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum pulchellum*.

Chetyson vigilmontis (Small) Löve & Löve, *Taxon* 34(2): 350. 1985. Basionym: *Sedum vigilmontis*.

Clausenellia Löve & Löve, *Taxon* 34(2): 350. 1985. Based on *Sedum* sect. *Ternata* A. Berger 1930. Typus: *Sedum ternatum* Michaux.

Clausenellia ternata (Michx.) Löve & Löve, *Taxon* 34(2): 351. 1985. Basionym: *Sedum ternatum*.

Cockerellia (Clausen & Uhl) Löve & Löve, *Taxon* 34(2): 351. 1985. Basionym: *Sedum* sect. *Cockerellia*. Typus: *Sedum cockerellii* Britton.

Cockerellia cockerellii (Britton) Löve & Löve, *Taxon* 34(2): 351. 1985. Basionym: *Sedum cockerellii*.

Cockerellia nivea (Davidson) Löve & Löve, *Taxon* 34(2): 351. 1985. Basionym: *Sedum niveum*.

Crassula capitella ssp. **sessilicymula** (Mogg) Tölken, *Fl. South. Afr.* 14: 184. 1985. Basionym: *C. sessilicymula*.

Crassula cymbiformis Tölken, *Fl. South. Afr.* 14: 163. 1985. Typus: *Hardy et al. 5365* (PRE).

Crassula lanceolata ssp. **denticulata** (Brenan) Tölken, *Fl. South. Afr.* 14: 115. 1985. Basionym: *C. pentandra* var. *denticulata*.

Crassula lanceolata ssp. **transvaalensis** (Kuntze) Tölken, *Fl. South. Afr.* 14: 115. 1985. Basionym: *Sedum transvaalense*.

Crassula peculiaris (Tölken) Tölken & Wickens, *Fl. South. Afr.* 14: 123. 1985. Basionym: *C. expansa* ssp. *peculiaris*.

- Crassula phascoides* (Griseb.) Bywater, Kew Bull. 40(3): 537, ill. 1985. Basionym: *Tristicha phascoides*.
- Crassula tomentosa* var. *glabrifolia* (Harv.) Tölken, Fl. South. Afr. 14: 188. 1985. Basionym: *C. glabrifolia*.
- Etiosedum Löve & Löve*, Taxon 34(1): 163. 1985. Typus: *Sedum annuum* L.
- Etiosedum annuum* (L.) Löve & Löve, Taxon 34(1): 163. 1985. Basionym: *Sedum annuum*.
- Gormania spathulifolia* (W. J. Hooker) Löve & Löve, Taxon 34(2): 351. 1985. Basionym: *Sedum spathulifolium*.
- Hjaltalinia Löve & Löve*, Taxon 34(1): 163. 1985. Based on *Sedum* sect. *Villosa* R. T. Clausen. Typus: *Sedum villosum* L.
- Hjaltalinia villosa* (L.) Löve & Löve, Taxon 34(1): 163. 1985. Basionym: *Sedum villosum*.
- Kalanchoe dinklagei* Rauh, Kakt. and. Sukk. 36(7): 146-150, ills. 1985. Typus: *ex cult.* BG Heidelberg 8086 (HEID).
- Orostachys malacophyllus* var. *boehmeri* (Makino) Hara, J. Jap. Bot. 60(5): 134-135, ills. 1985. Basionym: *Cotyledon malacophylla* var. *boehmeri*.
- Rhodiola phariensis* (H. Ohba) S. H. Fu in C.-Y. Wu, Flora Xizangica 2: 427. 1985. Basionym: *Sedum phariense*.
- Rhodiola sacra* var. *tsuiana* (S. H. Fu) S. H. Fu in C.-Y. Wu, Flora Xizangica 2: 426. 1985. Basionym: *R. tsuiana*.
- Rhodiola staminea* (O. Pauls.) S. H. Fu in C.-Y. Wu, Flora Xizangica 2: 428. 1985. Basionym: *Sedum stamineum*.
- Sedella carinthiaca* (Hoppe) Löve & Löve, Taxon 34(1): 163. 1985. Basionym: *Sedum aratum* var. *carinthiacum*.
- Sedum baleensis* M. Gilbert, Bradleya 3: 49-50, 51 (ill.). 1985. Typus: *Friis, Gilbert & Vollesen* 3812 (K, C, ETH, UPS).
- Sedum caricum* Carlström, Willdenowia 15(1): 109. 1985. Typus: *Carlström* 9694 (LD).
- Sedum delicum* (Vierhapper) Carlström, Willdenowia 15(1): 110. 1985. Basionym: *S. rubens* ssp. *delicum*.
- Sedum glomerifolium* M. Gilbert, Bradleya 3: 49, 51 (ill.). 1985. Typus: *S. Gilbert* 100 (UPS, ETH, K).
- Sedum hsinganicum* Chu ex S.-H. Fu & Y.-L. Huang in T. N. Liou, Fl. Pl. Herb. Chinae Boreali-orientalis 230, 190 (fig.). 1980. Typus: [given in Chinese only].
- Sedum mooneyi* M. Gilbert, Bradleya 3: 50, 51 (ill.). 1985. Typus: *H. F. Mooney* 7156 (K, ETH).
- Sinoocrassula indica* var. *paniculata* Singh & Bhattacharyya, J. Econ. Taxon. Bot. 6(1): 211, ill. 1985. Typus: *Bhattacharyya* 33695 (BSD).
- Spathulata* (Borissova) Löve & Löve, Taxon 34(1): 163. 1985. Basionym: *Sedum* subsect. *Spathulata*.
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- Tolmachevia integrifolia* ssp. *procera* (R. T. Clausen) Löve & Löve, Taxon 34(1): 164. 1985. Basionym: *Sedum integrifolium* ssp. *procera*.

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- Euphorbia* subgen. *Tirucalli* (Boiss.) S. Carter, Kew Bull. 40(4): 823. 1985. Basionym: *Euphorbia* sect. *Tirucalli*.
- Euphorbia* subgen. *Trichadenia* (Pax) S. Carter, Kew Bull. 40(4): 816. 1985. Basionym: *Euphorbia* sect. *Trichadenia*.
- Euphorbia albipollinifera* Leach, S. Afr. J. Bot. 51(4): 281, ill. 1985. Typus: *Bruyns* 1826 (NBG, PRE).
- Euphorbia calamiformis* Bally & S. Carter ex S. Carter, Kew Bull. 40(4): 824. 1985. Typus: *Gillet* 14174 (K, EAH).
- Euphorbia decaryi* var. *ampanihyensis* Cremers, Bull. Jard. Bot. Nation. Belg. 54(3/4): 373-375, ill. 1985. Typus: *Bosser* 16925 (P, TAN).
- Euphorbia decaryi* var. *capsaintemariensis* (Rauh) Cremers, Bull. Jard. Bot. Nation. Belg. 54(3/4): 371. 1985. Basionym: *E. capsaintemariensis*.
- Euphorbia decaryi* var. *robinsonii* Cremers, Bull. Jard. Bot. Nation. Belg. 54(3/4): 373. 1985. Typus: *Robinson s. n.* (P).
- Euphorbia dilobadana* S. Carter, Kew Bull. 40(4): 818. 1985. Typus: *Richards* 11670 (K).
- Euphorbia etuberculosa* Bally & S. Carter, Kew Bull. 40(4): 811. 1985. Typus: *Bally & Melville* 16074A (K).
- Euphorbia françoisii* var. *rakotozafyi* Cremers, Bull. Jard. Bot. Nation. Belg. 54(3/4): 377-379, ill. 1985. Typus: *Cremers* 3541 (P).
- Euphorbia friesiorum* (Hässler) S. Carter, Kew Bull. 40(4): 818. 1985. Basionym: *E. grantii* var. *friesiorum*.
- Euphorbia moratii* var. *antsingiensis* Cremers, Bull. Jard. Bot. Nation. Belg. 54(3/4): 382, fig. 5 E-H (p. 380). 1985. Typus: *Leandri & Saboureaux* 2938 (P, TAN).

- Euphorbia moratii** var. **bemarahensis**
Cremers, Bull. Jard. Bot. Nation. Belg.
54(3/4): 381-382, fig. 5 I-L (p. 380). 1985.
Typus: *Morat* 1355 (TAN).
- Euphorbia ogadensis** Bally & S. Carter, Kew
Bull. 40(4): 819. 1985. Typus: *Ellis* 337 (K).
- Euphorbia primulifolia** var. **begardii** Cremers,
Bull. Jard. Bot. Nation. Belg. 54(3/4): 386-387,
ill. 1985. Typus: *Cremers* 2843 (P, TAN).
- Euphorbia reclinata** Bally & S. Carter, Kew
Bull. 40(1): 120. 1985. *Nom. nov. pro*
Euphorbia hepatica Bally & S. Carter, *nom.*
illeg.
- Euphorbia sarcostemmoides** J. H. Willis,
Muelleria 3(2): 93. 1975. Typus: *J. H. Willis*
& *H. A. Morrison s. n.* (MEL 501445-A).

MORACEAE

- Dorstenia foetida** ssp. **lancifolia** (Rendle) I.
Friis, *Nordic J. Bot.* 3(5): 538. 1983.
Basionym: *D. crispa* var. *lancifolia*.

PORTULACACEAE

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Menes, *Feddes Repert.* 96(7-10): 555. 1985.
Basionym: *P. nana*.
- Portulaca brevifolia** var. **stellatis** Ortega
Menes, *Feddes Repert.* 96(7-10): 556. 1985.
Typus: *Bässler et al.* 46856 (HAJB, JE).
- Portulaca diegoi** J. R. Mattos, *Loefgrenia* no.
85: [1]. 1984. Typus: *Reitz & Klein* 4096
(IPRN).
- Portulaca diegoi** var. **alba** J. R. Mattos,
Loefgrenia no. 85: [1]. 1984. Typus:
Hatschbach 8776 (herbarium not indicated).

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40(1): 135, ill. 1985. Typus: *Verdcourt* 3627
(K, BR, EA).

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