



**Repertorium
Plantarum
Succulentarum
XXXVII (1986)**

Repertorium Plantarum Succulentarum XXXVII (1986)

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

International Organization for Succulent Plant Study
Internationale Organisation für Sukkulentenforschung

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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 dealing only with the description of one or two new taxa are given in the nomenclatural section and 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 Sukkulente-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*.

Compiled by: / Zusammengestellt von:

U. Eggli, Städtische Sukkulente-Sammlung, Mythenquai 88, CH-8002 Zürich, Switzerland; and
N. P. Taylor, Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AE, U. K.

Available from / Erhältlich durch: Städtische Sukkulente-Sammlung (address see above / Adresse siehe oben).

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NOMINA NOVA

AGAVACEAE

- Yucca harrimaniae** var. **sterilis** Neese & Welsh, Great Basin Naturalist 45(4): 789. 1986. Typus: *S. L. Welsh* 1846 (luplied) (BRY).

AIZOACEAE

- Acrodon duplessiae** (L. Bolus) Glen, Bothalia 16(2): 217. 1986. Basionym: *Ruschia duplessiae*.
- Acrodon leptophyllus** (L. Bolus) Glen, Bothalia 16(2): 217. 1986. Basionym: *Ruschia leptophylla*.
- Ebracteola fulleri** (L. Bolus) Glen, Bothalia 16(2): 222. 1986. Basionym: *Ruschia fulleri*.
- Ebracteola wilmaniae** (L. Bolus) Glen, Bothalia 16(2): 222. 1986. Basionym: *Mesembryanthemum wilmaniae*.
- Lampranthus deltoides* Glen, Bothalia 16(1): 55. 1986. [Already published, see RPS 34: 5.]
- Lampranthus deltoides** var. **caulescens** (Miller) Rowley, Excelsa 12: 34. 1986. Basionym: *Mesembryanthemum caulescens*.
- Pleiospilos** subg. **Punctillaria** (N. E. Br.) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 475. 1986. Basionym: *Punctillaria*.
- Pleiospilos compactus** ssp. **canus** (Haw.) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 476. 1986. Basionym: *Mesembryanthemum canum*. Neotypus: *Nel* SUG 9462 (BOL).
- Pleiospilos compactus** ssp. **fergusoniae** (L. Bolus) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 478. 1986. Basionym: *Pleiospilos fergusoniae*.
- Pleiospilos compactus** ssp. **minor** (L. Bolus) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 479. 1986. Basionym: *Pleiospilos minor*.
- Pleiospilos compactus** ssp. **sororius** (N. E. Br.) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 478. 1986. Basionym: *Mesembryanthemum sororium*.
- Tanquana** H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 479-480. 1986. Typus: *T. archeri*.
- Tanquana archeri** (L. Bolus) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 480. 1986. Basionym: *Pleiospilos archeri*.
- Tanquana hilmarii** (L. Bolus) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 481. 1986. Basionym: *Pleiospilos hilmarii*.
- Tanquana prismatica** (Schwantes) H. E. K. Hartm. & Liede, Bot. Jahrb. Syst. 106(4): 481. 1986. Basionym: *Mesembryanthemum prismaticum*.

ALOEACEAE

- Aloe inconspicua** Plowes, Aloe 23(2): 32-33, ill. 1986. Typus: *Plowes* 7079 (PRE).

ASCLEPIADACEAE

- Ceropegia dichotoma** ssp. **krainzii** (Sventenius) Bruyns, Beitr. Biol. Pfl. 60(3): 454, ill. 1986. Basionym: *Ceropegia krainzii*.
- Ceropegia schaijesorum** Malaisse, Bull. Jard. Bot. Nat. Belge 56(3/4): 491-492, ill. 1986. Typus: *Malaisse* 13 692 (BR).
- Huernia formosa** Leach, Excelsa 12: 95, 96-97 (ills.). 1986. Typus: *Lavranos* 9330 (NBG).
- Huernia lavrani** Leach, Excelsa 12: 94, 96-97 (ills.). 1986. Typus: *Lavranos* & *Bavazzano* 8534 (NBG, K).
- Lavrania** Plowes, Cact. Succ. J. (US) 58(3): 122. 1986. Typus: *L. haagnerae*.
- Lavrania haagnerae** Plowes, Cact. Succ. J. (US) 58(3): 123, 119 (ill.). 1986. Typus: *C. H. Haagner* s.n. sub *Plowes* 5046 (PRE).
- Raphionacme namibiana** Venter & Verhoeven, S. Afr. J. Bot. 52(4): 332, ill. 1986. Typus: *Marloth* 5017 (PRE).
- Raphionacme palustris** Venter & Verhoeven, S. Afr. J. Bot. 52(2): 149-152, ill., map. 1986. Typus: *Venter* 9005 (BLFU, K, PRE).

ASTERACEAE

- Kleinia** subg. **Notonia** (DC.) C. Jeffrey, Kew Bull. 41(4): 926. 1986. Basionym: *Notonia* DC.
- Kleinia abyssinica** var. **hildebrandtii** (Vatke) C. Jeffrey, Kew Bull. 41(4): 928. 1986. Basionym: *Notonia hildebrandtii*.
- Kleinia breviflora** C. Jeffrey, Kew Bull. 41(4): 925. 1986. Typus: *Verdcourt* 3561 (K).
- Kleinia dolichocoma** C. Jeffrey, Kew Bull. 41(4): 925. 1986. Typus: *Bally & Smith* 14600 (K).
- Kleinia gregorii** (S. Moore) C. Jeffrey, Kew Bull. 41(4): 927. 1986. Basionym: *Notonia gregorii*.
- Kleinia implexa** (Bally) C. Jeffrey, Kew Bull. 41(4): 926. 1986. Basionym: *Senecio implexus*.
- Kleinia leptophylla** C. Jeffrey, Kew Bull. 41(4): 927. 1986. Typus: *Bally* 12546 (K).
- Kleinia mweroensis** (Baker) C. Jeffrey, Kew Bull. 41(4): 927. 1986. Basionym: *Senecio mweroensis*.
- Kleinia oligodonta** C. Jeffrey ('*oligodonta*'), Kew Bull. 41(4): 926. 1986. Typus: *Bally* 10638 (K).
- Kleinia patriciae** C. Jeffrey, Kew Bull. 41(4): 927. 1986. Typus: *Bally & Carter* 16464 (K).
- Kleinia petraea** (R. E. Fr.) C. Jeffrey, Kew Bull. 41(4): 926. 1986. Basionym: *Notonia petraea*.

- Kleinia picticaulis** (Bally) C. Jeffrey, Kew Bull. 41(4): 927. 1986. Basionym: *Senecio picticaulis*.
- Kleinia scottioides** C. Jeffrey, Kew Bull. 41(4): 925. 1986. Typus: *Tweedie* 3129 (K, M).
- Kleinia vermicularis** C. Jeffrey, Kew Bull. 41(4): 928. 1986. Typus: *B. D. Burt* 6417 (K).
- Othonna armiana** van Jaarsveld, South Afr. J. Bot. 52(6): 569, ills. 1986. Typus: *van Jaarsveld & Kühn* 8188 (NBG).
- Othonna gregorii** (F. Muell.) C. Jeffrey, Kew Bull. 41(4): 876. 1986. Basionym: *Senecio gregorii*.
- Senecio** sect. **Peltati** (Muschl.) C. Jeffrey, Kew Bull. 41(4): 897. 1986. Basionym: *Senecio* subsect. *Peltati*.
- Senecio** sect. **Rowleyani** C. Jeffrey, Kew Bull. 41(4): 934. 1986. Typus: *Senecio rowleyanus* Jacobsen.
- Senecio margaritae** C. Jeffrey, Kew Bull. 41(4): 898. 1986. Typus: *Bally* 1013 (K).
- Solanecio angulatus** (Vahl) C. Jeffrey, Kew Bull. 41(4): 922. 1986. Basionym: *Cacalia angulata*.
- Solanecio biafrae** (Oliv. & Hiern) C. Jeffrey, Kew Bull. 41(4): 922. 1986. Basionym: *Senecio biafrae*.
- Solanecio buchwaldii** (O. Hoffm.) C. Jeffrey, Kew Bull. 41(4): 921. 1986. Basionym: *Senecio buchwaldii*.
- Solanecio tuberosus** (Sch. Bip. ex A. Rich.) C. Jeffrey, Kew Bull. 41(4): 921. 1986. Basionym: *Senecio tuberosus*.
- CACTACEAE**
- Aparadoa* van Vliet, Succulenta 65(4): 86. 1986. *Nom. inval.* (Arts. 36.1, 37.1), substitute for *Brasiliparodia*.
- Arthrocreus itabiriticola** P. J. Braun, Kakt. and Sukk. 37(11): 234-237, ills., SEM-ills. 1986. Typus: *Horst & Uebelmann* HU 330 (ZSS).
- Borzicactus celsianus** var. **trollii** (Kupper) Rowley, Excelsa 12: 35. 1986. Basionym: *Cereus trollii*.
- Brasiliopuntia subcarpa** Rizzini & Mattos-F., Rev. Brasil Biol. 46(2): 324. 1986. Typus: *Rizzini & Mattos-Filho* 38 (RB).
- Cleistocactus fossilatus** Mottram, Chileans 13(43): 30. 1986. Typus: *F. Ritter* 100 ex cult. *R. Mottram* 4.1 (K). [syn. *Oreocereus fossilatus* Backeb. (1934) pro parte excl. typ., non *Pilocereus fossilatus* Labouret.]
- Coryphantha salm-dyckiana** var. **brunnea** (Salm-Dyck) Unger, Kakt. and Sukk. 37(5): 86. 1986. Basionym: *Mammillaria salm-dyckiana* var. *brunnea*.
- Escobaria chaffeyi** f. **viridiflora** (Frič) Riha, Kaktusy 22(2): 25-27, ill. 1986. Basionym: *Fobia viridiflora*.
- Escobaria guadalupensis** Brack & Heil, Cact. Succ. J. (US) 58(4): 165-167, ills. 1986. Typus: *Anonymus* (San Juan College Herbarium 2774).
- Facheiroa** subg. **Zehntnerella** (B. & R.) P. J. Braun & Esteves, Kakt. and Sukk. 37(3): 56. 1986. Basionym: *Zehntnerella*.
- Facheiroa estevesii** P. J. Braun, Kakt. and Sukk. 37(4): 74-79, ills., SEM-ills. 1986. Typus: *Esteves Pereira* 186 (KOELN).
- Ferocactus piliferus** (Lemaire ex Ehrenberg) Unger, Kakt. and Sukk. 37(2): 45. 1986. Basionym: *Echinocactus piliferus*.
- Ferocactus piliferus** f. **flavispinus** (hort. ex Schelle) Unger, Kakt. and Sukk. 37(2): 45. 1986. Basionym: *Echinocactus pilosus* [f.] *flavispinus*.
- Ferocactus piliferus** var. **stainesii** (Salm-Dyck) Unger, Kakt. and Sukk. 37(2): 45. 1986. Basionym: *Echinocactus pilosus* var. *stainesii*.
- Mammillaria** ser. **Megastigmatae** Neutelings, Succulenta 65(1): 3. 1986. Typus: *Mammillaria microcarpa* (B. & R.) Engelman ex A. Berger
- Mammillaria albicans** f. **slevinii** (B. & R.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria slevinii* (*Mammillaria slevinii* given in error). [This and most of the subsequent combinations by Neutelings have been invalidly published first in l.c. (1): 3-5.]
- Mammillaria bambusiphila** Reppenhagen, Mitteilungsbl. AfM 10(5): 161-166, ills. 1986. Typus: *Reppenhagen* 748 (K).
- Mammillaria bambusiphila** var. **parva** Reppenhagen, Mitteilungsbl. AfM 10(5): 167-171, ills. 1986. Typus: *Reppenhagen* 663 (K).
- Mammillaria berkiana** A. B. Lau, Kakt. and Sukk. 37(2): 30-33, ills. 1986. Typus: *A. Lau* 1245 (ZSS).
- Mammillaria dioica** f. **angelensis** (Craig) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria angelensis*.
- Mammillaria dioica** f. **estebanensis** (Lindsay) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria estebanensis*.
- Mammillaria dioica** f. **incerta** (Parish) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria incerta*.
- Mammillaria dioica** f. **phitauiana** (Baxter) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria phitauiana*.
- Mammillaria dioica** f. **verhaertiana** (Böd.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria verhaertiana*.
- Mammillaria dioica** var. **armillata** (K. Brandegee) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria armillata*.
- Mammillaria dioica** var. **capensis** (Gates) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria capensis*.

- Mammillaria dioica** var. **cerralboa** (B. & R.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria cerralboa*.
- Mammillaria dioica** var. **multidigitata** (Radley ex Lindsay) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria multidigitata*.
- Mammillaria dioica** var. **neopalmeri** (Craig) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria neopalmeri*.
- Mammillaria elegans** var. **lanata** (B. & R.) Hofmann, Inform.-Brief ZAG Mammillaria 1985: 25. 1986. Basionym: *Neomammillaria lanata*. [Issue for 1985, published 1986.]
- Mammillaria goodridgii** f. **shurliana** (Gates) Neutelings, Succulenta 65(5): 120. 1986. Basionym: *Mammillaria shurliana*.
- Mammillaria goodridgii** var. **blossfeldiana** (Böd.) Neutelings, Succulenta 65(5): 120. 1986. Basionym: *Mammillaria blossfeldiana*.
- Mammillaria goodridgii** var. **bullardiana** (Gates) Neutelings, Succulenta 65(5): 120. 1986. Basionym: *Neomammillaria bullardiana*.
- Mammillaria goodridgii** var. **hutchisoniana** (Gates) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria hutchisoniana*.
- Mammillaria goodridgii** var. **louisae** (Lindsay) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria louisae*.
- Mammillaria guelzowiana** var. **robustior** R. Wolf, Kakt. and. Sukk. 37(12): 256-257, ills. 1986. Typus: *R. & F. Wolf* 60/86 (WU).
- Mammillaria kleiniorum** Appenzeller, Mitteilungsbl. AfM 10(6): 197-203, ills. 1986. Typus: *H.-J. Klein* 190a (ZSS).
- Mammillaria mazatlanensis** f. **patonii** (Bravo H.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria patonii*.
- Mammillaria mazatlanensis** f. **sinalensis** (Craig) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria occidentalis* var. *sinalensis*.
- Mammillaria mazatlanensis** var. **occidentalis** (B. & R.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria occidentalis*.
- Mammillaria milleri** f. **auricarpa** (W. T. Marshall) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria microcarpa* var. *auricarpa*.
- Mammillaria milleri** f. **guedemanniana** (Backeb.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria guedemanniana*.
- Mammillaria milleri** f. **oliviae** (Orcutt) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria oliviae*.
- Mammillaria milleri** f. **swinglei** (B. & R.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria swinglei*.
- Mammillaria milleri** var. **grahamii** (Engelmann) Neutelings, Succulenta 65(5): 119. 1986. *Nom. inval.* (cf. Art. 57), based on *Mammillaria grahamii*.
- Mammillaria milleri** var. **sheldonii** (B. & R.) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Neomammillaria sheldonii*.
- Mammillaria thornberi** var. **yaquensis** (Craig) Neutelings, Succulenta 65(5): 119. 1986. Basionym: *Mammillaria yaquensis*.
- Matucana krahni** (Donald) Bregman, Kakt. and. Sukk. 37(12): 253, ill. 1986. Basionym: *Borzicactus krahni*.
- Matucana oreodoxa** (Ritter) Slaba, Kaktusy 22(6): 130. 1986. Basionym: *Eomatucana oreodoxa*.
- Matucana polzii** Diers, Donald & Zecher, Kakt. and. Sukk. 37(6): 114-119, ills., SEM-ills. 1986. Typus: *E. Zecher* 762 (KOELN).
- Melocactus lanssensianus** P. J. Braun, Succulenta 65(2): 25-30, (3): 61-64, ills. 1986. Typus: *Horst & Uebelmann* HU 474 (ZSS).
- Melocactus ruestii** ssp. **cintalapensis** Elizondo, Cact. Suc. Mex. 31(3): 54-55, ill. 1986. Typus: *Elizondo* 0189 (XAL).
- Melocactus ruestii** ssp. **maxonii** (Rose) Elizondo, Cact. Suc. Mex. 31(3): 53. 1986. Basionym: *Cactus maxonii*.
- Melocactus ruestii** ssp. **oaxacensis** (B. & R.) Elizondo, Cact. Suc. Mex. 31(3): 52. 1986. Basionym: *Cactus oaxacensis*.
- Melocactus ruestii** ssp. **sanctae-rosae** (L. D. Gómez) Elizondo, Cact. Suc. Mex. 31(3): 54. 1986. Basionym: *M. maxonii* var. *sanctae-rosae*.
- Micranthocereus streckeri** van Heek & van Criecking, Kakt. and. Sukk. 37(5): 102-105, ills. 1986. Typus: *van Heek et al.* 85/250 (KOELN).
- Neolloydia laui** (Glass & Foster) E. F. Anderson, Bradleya 4: 22. 1986. Basionym: *Turbincarpus laui*.
- Neolloydia lophophoroides** (Werderm.) E. F. Anderson, Bradleya 4: 22. 1986. Basionym: *Thelocactus lophophoroides*.
- Neolloydia mandragora** (Frič ex A. Berger) E. F. Anderson, Bradleya 4: 14. 1986. Basionym: *Echinocactus mandragora*.
- Neolloydia pseudomacrolele** (Backeb.) E. F. Anderson, Bradleya 4: 22. 1986. Basionym: *Strombocactus pseudomacrolele*.
- Neolloydia pseudopectinata** (Backeb.) E. F. Anderson, Bradleya 4: 15. 1986. Basionym: *Pelecypora pseudopectinata*.
- Neolloydia schmidickeana** (Böd.) E. F. Anderson, Bradleya 4: 19. 1986. Basionym: *Echinocactus schmidickeanus*.
- Neolloydia schmidickeana** var. **dickisoniae** (Glass & Foster) E. F. Anderson, Bradleya 4: 20. 1986. Basionym: *Turbincarpus schmidickeanus* var. *dickisoniae*.

- Neolloydia schmiedickeana** var. **flaviflora** (G. Frank & A. B. Lau) E. F. Anderson, *Bradleya* 4: 20. 1986. Basionym: *Turbinicarpus flaviflorus*.
- Neolloydia schmiedickeana** var. **gracilis** (Glass & Foster) E. F. Anderson, *Bradleya* 4: 19. 1986. Basionym: *Turbinicarpus gracilis*.
- Neolloydia schmiedickeana** var. **klinkeriana** (Backeb. & Jacobsen) E. F. Anderson, *Bradleya* 4: 20. 1986. Basionym: *Turbinicarpus klinkerianus*.
- Neolloydia schmiedickeana** var. **macrochele** (Werderm.) E. F. Anderson, *Bradleya* 4: 20. 1986. Basionym: *Echinocactus macrochele*.
- Neolloydia schmiedickeana** var. **schwarzii** (Shurly) E. F. Anderson, *Bradleya* 4: 20. 1986. Basionym: *Strombocactus schwarzii*.
- Neolloydia subterranea** var. **zaragosae** (Glass & Foster) E. F. Anderson, *Bradleya* 4: 14. 1986. Basionym: *Gymnocactus subterraneus* var. *zaragosae*.
- Neolloydia valdeziana** (H. Möller) E. F. Anderson, *Bradleya* 4: 14. 1986. Basionym: *Pelecophora valdeziana*.
- Neolloydia viereckii** var. **major** (Glass & Foster) E. F. Anderson, *Bradleya* 4: 15. 1986. Basionym: *Gymnocactus viereckii* var. *major*.
- Neoporteria centetaria** (Lehmann) Rowley, *Excelsa* 12: 39. 1986. Basionym: *Echinocactus centetarius*.
- Notocactus arnostianus** Lisal & Kolarik, *Internoto* 7(1): 6-8, ills. 1986. Typus: *Horst & Uebelmann* HU 338 [*pro parte*] (Herb. Arboreti Musei Silesiaci, Opava - Novy Dur, CSSR).
- Notocactus catarinensis** Scheinvar, *Fl. Ilust. Catarinense*, Cact. 50. 1986. Typus: *Horst & Uebelmann* HU 40 (no actual specimen selected). [Given as new combination for *Brasiliparodia catarinensis* Ritter (*nom. inval.*) but actually to be treated as a new taxon for nomenclatural reasons.]
- Notocactus gibberulus** Prestlé, *Succulenta* 65(6/7): 142-145, ills., SEM-ills. 1986. Typus: *Prestlé* 313 (U).
- Notocactus graessneri** f. **microdasys** P. J. Braun, *Kakt. and. Sukk.* 37(3): 57, ill. 1986. Typus: *Horst & Uebelmann* HU 501 (ZSS).
- Notocactus macambarensis** Prestlé, *Internoto* 7(3): 67-72, ills., SEM-ills. 1986. Typus: *Prestlé* 425 (U).
- Notocactus meonacanthus** Prestlé, *Internoto* 7(2): 35-39, ills., SEM-ills. 1986. Typus: *Prestlé* 318 (U).
- Notocactus ritterianus** Lisal & Kolarik, *Internoto* 7(1): 3-5, ills. 1986. Typus: *Horst & Uebelmann* HU 338 [*pro parte*] (Herb. Arboreti Musei Silesiaci, Opava - Novy Dur, CSSR).
- Opuntia basilaris** var. **heilii** Welsh & Neese, *Great Basin Naturalist* 43(4): 700. 1983. Typus: *Neese* 5938 (BRY).
- Opuntia chisosensis** (Anthony) Ferguson, *Cact. Succ. J. (US)* 58(3): 124, ills. 1986. Basionym: *O. lindheimeri* var. *chisosensis*.
- Opuntia erinacea** var. **aurea** (Baxter) Welsh, *Great Basin Naturalist* 46(2): 255. 1986. Basionym: *Opuntia aurea*.
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- Parodia heteracantha** Ritter ex Weskamp, *Kakt. / Sukk.* 21(4): 83-84, 116 (ill.). 1986. Typus: *F. Ritter* 926 (DR).
- Parodia mutabilis** var. **sanguiniflora** (Backeb.) F. Brandt, *Letzeb. Cacteeften* 7(2): 21. 1986. Basionym: *Parodia sanguiniflora*.
- Parodia stereospina* F. Brandt, *Letzeb. Cacteeften* 7(9): 203, 201 (ill.). 1986. *Nom. inval.* (Art. 36).
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- Pereskia humboldtii** var. **rauhii** (Backeb.) Leuenberger, *Mem. New York Bot. Gard.* 41: 69. 1986. Basionym: *Pereskia vargasii* var. *rauhii*.
- Pfeifferinae** Volgin, *Feddes Repert.* 97(9-10): 563. 1986. Typus: *Pfeiffera* Salm-Dyck.
- Pilosocereus cenepequei** Rizzini & Mattos-F., *Rev. Brasil Biol.* 46(2): 324. 1986. Typus: *Rizzini & Mattos-Filho* 39 (RB).
- Pilosocereus juaruensis** (Buin. & Brederoo) P. J. Braun, *Kakt. and. Sukk.* 35(8): 181. 1984. Basionym: *Pseudopilosocereus juaruensis*.
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- Pseudoacanthocereus boreominarum** Rizzini & Mattos-F., *Rev. Brasil Biol.* 46(2): 327. 1986. Typus: *Rizzini & Mattos-Filho* 40 (RB).
- Rebutia sumayana** Rausch, *Succulenta* 65(4): 73-75, ill. 1986. Typus: *W. Rausch* 738 (ZSS).
- Schlumbergerinae** Volgin, *Feddes Repert.* 97(9-10): 563-564. 1986. Typus: *Schlumbergera* Lemaire.
- Selenicereus wittii** (Schumann) Rowley, *Excelsa* 12: 36. 1986. Basionym: *Cereus wittii*.
- Sulcorebutia kruegeri* var. *hoffmanniana* (Backeb.) Donald, *Succulenta* 65(10): 208. 1986. *Nom. inval.*, based on *Lobivia hoffmanniana* Backeb., *nom. inval.* (Art. 9.5).
- Sulcorebutia menesii** var. **kamiensis** Brederoo & Donald, *Succulenta* 65(8): 153, 155-158, (9): 190-193, (10): 207-209, ills., SEM-ills. 1986. Typus: *A. B. Lau* 974 (K).

- Sulcorebutia menesesii** var. **muschii** (Vasquez) Donald, *Succulenta* 65(10): 208. 1986. Basionym: *Sulcorebutia muschii*.
- Sulcorebutia steinbachii** var. **australis** Rausch, *Succulenta* 65(11): 240-241, ill. 1986. Typus: *W. Rausch* 729 (ZSS).
- Sulcorebutia vizcarrae** var. **laui** Brederoo & Donald, *Succulenta* 65(3): 52-55, (4): 89-93 (5): 106-108, ills., SEM-ills. 1986. Typus: *A. B. Lau* 324 (K).
- Tephrocactus weberi** var. **deminutus** Rausch, *Succulenta* 65(12): 249, 251-252, ill. 1986. Typus: *W. Rausch* 241 (ZSS).
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- Thelocactus lausseri** Riha & Busek, *Kakt. and. Sukk.* 37(8): 162-164, ills., SEM-ills. 1986. Typus: *Lausser* file (PR 377 518). [First mentioned in a paper by A. Lausser — see bibliography in this volume of RPS.]
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- Weberocereus glaber** var. **mirandae** (Bravo H.) Eliasson, *Kaktus (Odense)* 21(2): 44. 1986. Combination based on *Selenicereus mirandae*, first published by Kimmach in 1978.
- Weberocereus rosei** (Kimmach) Eliasson, *Kaktus (Odense)* 21(2): 44. 1986. Combination based on *Ecceumocactus rosei*, first published by Buxbaum in 1978.
- Weingartia columnaris** F. Brandt, *Kakt. Orch.-Rundschau* 11(2-3): 18. 1986. Typus: *K. Knize* s.n. ex cult. *Brandt no.* 109/a (HEID).
- Weingartia minima** (Rausch) F. Brandt, *Kakt. Orch.-Rundschau* 11(1): 2. 1986. Based on *Sulcorebutia taratensis* var. *minima*. [Combination is incorrect as *Rebutia taratensis* Card. is given in the synonymy.]
- Weingartia miranda** F. Brandt, *Kakt. Orch.-Rundschau* 10(4-5): 41-44, ill. 1985. Typus: *K. Knize* s.n. ex cult. *Brandt no.* 108/a (HEID). [Probably published early in 1986, Kew copy is dated 21. 2. 1986.]
- CRASSULACEAE**
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- Aeonium** × **castellodecorum** A. Bañares, *Vieraea* 16: 64, 65 (ill.). 1986. Typus: *Bañares s.n.* 1983 (TFC 19944). [*Aeonium castello-paivae* × *A. decorum*.]
- Aeonium** × **cilifolium** A. Bañares, *Vieraea* 16: 59-60, ill. 1986. Typus: *Nogales & Bañares s.n.* 1980 (TFC 19937). [*Aeonium ciliatum* × *A. sedifolium*.]
- Aeonium** × **holospathulatum** A. Bañares, *Vieraea* 16: 66, 68 (ill.). 1986. Typus: *Bañares s.n.* 1981 (TFC 19949). [*Aeonium holochrysum* × *A. spathulatum* var. *spathulatum*.]
- Aeonium** × **nogalesii** A. Bañares, *Vieraea* 16: 61, 62 (ill.). 1986. Typus: *Bañares & Nogales s.n.* 1980 (TFC 19938). [*Aeonium palmense* × *A. sedifolium*.]
- Aeonium** × **sanchezii** A. Bañares, *Vieraea* 16: 66, 67 (ill.). 1986. Typus: *Bañares s.n.* 1982 (TFC 19945). [*Aeonium rubrolineatum* × *A. spathulatum* var. *spathulatum*.]
- Aeonium** × **wildpretii** A. Bañares, *Vieraea* 16: 61, 63 (ill.). 1986. Typus: *Nogales & Bañares s.n.* 1980 (TFC 19941). [*Aeonium palmense* × *A. vestitum*.]
- × **Cremnopetalum** Kimmach & Moran, *Cact. Succ. J. (US)* 58(2): 55. 1986. [= *Cremnophila* × *Graptopetalum*.]
- Graptopetalum paraguayense** ssp. **bernalense** Kimmach & Moran, *Cact. Succ. J. (US)* 58(2): 54, ills. 1986. Typus: *A. B. Lau* 089 (= *HBG* 42 370) (HNT, BH, MEXU, SD, US).
- × **Greenonium cabreræ** A. Santos, *Veget. & Fl. La Palma* 184, 185 (ill.). 1983. [*Aeonium spathulatum* × *Greenovia diplocycla*.]
- × **Greenonium tijarafensis** A. Santos, *Veget. & Fl. La Palma* 184, 187 (ill.). 1983. [*Aeonium ciliatum* × *Greenovia diplocycla*.]
- Orostachys** cv. **Noordwijk** Zonneveld, *Brit. Cact. Succ. J.* 4(4): 99, ills. 1986. (*O. furusei* × *O. aggregatus* F2).
- Rhodiola imbricata** var. **lobulata** Singh & Bhattach., *Bull. Bot. Survey India* 25(1-4): 246. 1985. Typus: *N. C. Nair* 32763 (CAL, BSD). [Vol. for 1983, published 1985 or 1986.]
- Rhodiola lobulata** (Singh & Bhattach.) H. Ohba, *J. Jap. Bot.* 61(7): 205. 1986. Basionym: *Rhodiola imbricata* var. *lobulata*.
- Rhodiola purpureoviridis** ssp. **phariense** (H. Ohba) H. Ohba, *J. Jap. Bot.* 61(7): 206. 1986. Basionym: *Sedum phariense*.
- Rhodiola tangutica** (Maxim.) S.-H. Fu, *Bull. Bot. Res. North-East. Forest. Inst.* 6(4): 158. 1986. Basionym: *Sedum algidum* var. *tanguticum*.
- Sedum anhuiense** S.-H. Fu & Wang, *Bull. Bot. Res. North-East. Forest. Inst.* 6(4): 137. 1986. Typus: *Hsiao & Tan* 503 (Herb. Anhui Inst. Biol., iso HIB).
- Sedum creticum** var. **hierapetrae** (Rechinger fil.) 't Hart & Hagemann, *Mountain Fl. Greece* [ed. A. Strid] 1: 353. 1986. Basionym: *Sedum hierapetrae*.
- Sedum grisebachii** ssp. **flexuosum** (Wettstein) Greuter & Burdet, *Med-Checklist* 3: 20. 1986. Basionym: *Sedum flexuosum*.
- Sedum grisebachii** ssp. **kostovii** (Stefanov) Greuter & Burdet, *Med-Checklist* 3: 20. 1986. Basionym: *Sedum kostovii*.
- Sedum gypsophilum** B. L. Turner, *Phytologia* 59(5): 321-322. 1986. Typus: *B. L. Turner, T. Ayers & R. Scott* 15 557 (TEX, UMEX).

- Sedum hengduanense** K.-T. Fu, Acta Bot. Bor. Occid. Sin. 6(2): 105. 1986. Typus: *Quing-zang Exped.* (1981) 3373 (PE).
- Sedum longyanense** K.-T. Fu, Acta Bot. Bor. Occid. Sin. 6(2): 108. 1986. Typus: *Tsoong* 5272 (PE).
- Sedum magellense** ssp. **olympicum** (Boiss.) Greuter & Burdet, Med-Checklist 3: 24. 1986. Basionym: *Sedum olympicum*.
- Sedum multicaule** ssp. **rugosum** K.-T. Fu, Acta Bot. Bor. Occid. Sin. 6(2): 105. 1986. Typus: *Quing-zang Exped.* (1982) 10846 (PE).
- Sedum muyaicum** K.-T. Fu, Acta Bot. Bor. Occid. Sin. 6(2): 107. 1986. Typus: *Hu & Zhu* 1101 (Herb. NW Inst. Bot., Shaanxi).
- Sedum obtusipetalum** ssp. **dandyanum** R. Hamet ex H. Ohba, J. Jap. Bot. 61(9): 274. 1986. Typus: *Stainton, Sykes & Williams* 9011 (BM, TI).
- Sedum subtile** ssp. **chinense** H. Ohba, J. Jap. Bot. 61(8): 227. 1986. Typus: *H. Smith* 6664 (UPS).
- Sedum taiwanianum** S.-S. Ying, Quart. J. Chinese Forest. 19(2): 101, ill. 1986. Typus: *S.-S. Ying* s. n. (NTUF).
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- Sedum verticillatum** f. **bulbiferum** Yonezawa, J. Phytogeogr. Taxon. 34(2): 69. 1986. Typus: *N. Yonezawa* s.n. (KANA 117392).
- Sempervivum** × **alidae** Zonneveld, Brit. Cact. Succ. J. 4(3): 65, ill. 1986. [*S. wulfenii* × *S. grandiflorum*.] (U).
- Sempervivum brevipetalum** Kit Tan & Sorger, Pl. Syst. Evol. 154(1-2): 120. 1986. Typus: *Sorger & Kit Tan 84-62-14* (herb. Sorger, E).
- Sempervivum globiferum** ssp. **aghricum** Kit Tan & Sorger, Pl. Syst. Evol. 154(1-2): 121. 1986. Typus: *Sorger 83-37-16* (herb. Sorger, E).

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- Sansevieria fischeri** (Baker) W. Marais, Kew Bull. 41(1): 58. 1986. Basionym: *Buphane fischeri*.

EUPHORBIACEAE

- Euphorbia lumbricalis** Leach, S. Afr. J. Bot. 52(4): 369. 1986. Typus: *Leach & Beyer* 17123 (NBG, MO, PRE).
- Euphorbia mira** Leach, S. Afr. J. Bot. 52(1): 10, ill. 1986. Typus: *Beyer* s.n. cult. in *Leach* 17175 (NBG, K, PRE).
- Euphorbia parvicyathophora** Rauh, Cact. Succ. J. (US) 58(4): 143, ill. 1986. Typus: *Lavranos & Morat* 9601 (= *Abbey Garden* 75-1116) (HEID).
- Monadenium schajiesii** Malaisse, Bull. Jard. Bot. Nat. Belge 56(3/4): 487-488. 1986. Typus: *Malaisse* 12 091 (BR).

GERANIACEAE

- Pelargonium desertorum** P. Vorster, S. Afr. J. Bot. 52(2): 184-186, ill., map. 1986. Typus: *Drijfhout* 1454 (PRE, NBG).

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- Pinguicula ehlersae** Speta & Fuchs, Stapfia 10: 111-119. 1982. Typus: *R. Ehlers* s.n. (BGL). [These new succulent taxa of *Pinguicula* have been contributed by M. Cheek.]
- Pinguicula esseriana** Kirchner, Willdenowia 11: 317-319. 1983. Typus: *Köhres* s.n. (Herb. Ruhr-Universität Bochum).
- Pinguicula zecheri** Speta & Fuchs, Stapfia 10: 111-119. 1982. Typus: *Schatzl* s.n. (BGL).

PIPERACEAE

- Peperomia 'Werner Rauh'** hort. ISI ex L. Davis et al., Cact. Succ. J. (US) 58(2): 78. 1986. [= *P. asperula* × *P. dolabriformis*. Based on an accidental seedling at Huntington BG (HBG 55 144).]
- Peperomia wolfgang-krahnii** Rauh, Kakt. and. Sukk. 37(7): 136-140, ill., SEM-ills. 1986. Typus: *W. Krahn* 662 in *BG Heidelberg* 51 476 (HEID).

PORTULACACEAE

- Calandrinia** sect. **Pachypodae** Kelley & Swanson, Phytologia 60(3): 172. 1986. Typus: *C. pachypoda*.
- Calandrinia pachypoda** ssp. **eyerdamii** Kelley & Swanson, Phytologia 60(3): 173. 1986. Typus: *W. J. Eyerdam* 24 876 (UC, F, K).
- Portulaca carrissoana** (Exell & Mendonça) Nyananyo, Taxon 35(3): 592. 1986. Basionym: *Sedopsis carrissoana*.

RUBIACEAE

- Phylohydrax** Puff, Pl. Syst. Evol. 154(3-4): 362. 1986. Typus: *P. carnosa*. [Perennial succulents superficially resembling mesembs.]
- Phylohydrax carnosa** (Hochst.) Puff, Pl. Syst. Evol. 154(3-4): 362. 1986. Basionym: *Diodia carnosa*. Neotypus: *Gerrard* 312 (BM, K, W).
- Phylohydrax madagascariensis** (Roem. & Schult.) Puff, Pl. Syst. Evol. 154(3-4): 363. 1986. Basionym: *Hydrophylax madagascariensis*.

VITACEAE

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Corrections to previous volumes

Due to an unfortunate editorial slip, two combinations in *Pilosocereus* were omitted from RPS 35 (1984). They are included in this issue.

The *Weberocereus* combinations by D. R. Hunt reported in RPS 36 (1985) have already been published by other authors in earlier years as follows: *W. bradei* (B. & R.) Rowley 1974, *W. glaber* (Eichlam) Rowley 1982, *W. imitans* (Kinnach & Hutchison) F. Buxbaum 1978, *W. tonduzii* (F. A. C. Weber) Rowley 1982. RPS 34 listed *Porfiria schwartzii* (Frič) Crkal as a new name. This combination had in fact already been published by Bödeker in 1929. The uncritical inclusion of these combinations is based on the fact that at present, it is impracticable for the compilers to check whether a combination has already been published earlier or not.

The *Brasiliparodia*-taxa described by F. Ritter in 1979 are reported as validly published in RPS 30, but they are in fact invalid as no single element is given as type.

Parodia camblayana (given as 'camplayana') reported as valid in RPS 33: 10, 1982, is invalid as no page number is given for the basionym (Art. 33.2).

Some of the errors reported here have been pointed out by W. Spanowsky and J. Kolarik. We are very grateful for this assistance.

Korrekturen zu früheren Bänden

Durch ein Versehen des Herausgebers wurden zwei *Pilosocereus*-Kombinationen nicht in RPS 35 (1984) aufgenommen, was in dieser Ausgabe nun nachgeholt wird.

Die von D. R. Hunt publizierten *Weberocereus*-Kombinationen wie sie in RPS 36 (1985) nachgewiesen werden, wurden bereits in früheren Jahren durch andere Autoren wie folgt publiziert: *W. bradei* (B. & R.) Rowley 1974, *W. glaber* (Eichlam) Rowley 1982, *W. imitans* (Kinnach & Hutchison) F. Buxbaum 1978, *W. tonduzii* (F. A. C. Weber) Rowley 1982. In RPS 34 wurde *Porfiria schwartzii* (Frič) Crkal als Neukombination aufgenommen. Dieser Name wurde aber bereits 1929 von Bödeker publiziert. Die unkritische Aufnahme dieser Kombinationen in das RPS ist dadurch zu erklären, dass es den Herausgebern zur Zeit nicht mit vernünftigem Aufwand möglich ist, die Existenz einer Kombination zu überprüfen.

Die von F. Ritter 1979 beschriebenen *Brasiliparodia*-Arten wurden in RPS 30 als gültig betrachtet. Da nicht ein einziges Element als Typus angegeben wurde, sind sie jedoch nicht gültig veröffentlicht worden.

Parodia camblayana (als 'camplayana') wurde in RPS 33: 10, 1982, als gültig aufgeführt, wurde aber nicht gültig veröffentlicht, da für das Basionym die Seitenangabe fehlt (Art. 33.2).

Die Herren Spanowsky und Kolarik haben uns freundlicherweise auf einige der hier aufgeführten Fehler aufmerksam gemacht, wofür wir ihnen sehr dankbar sind.

