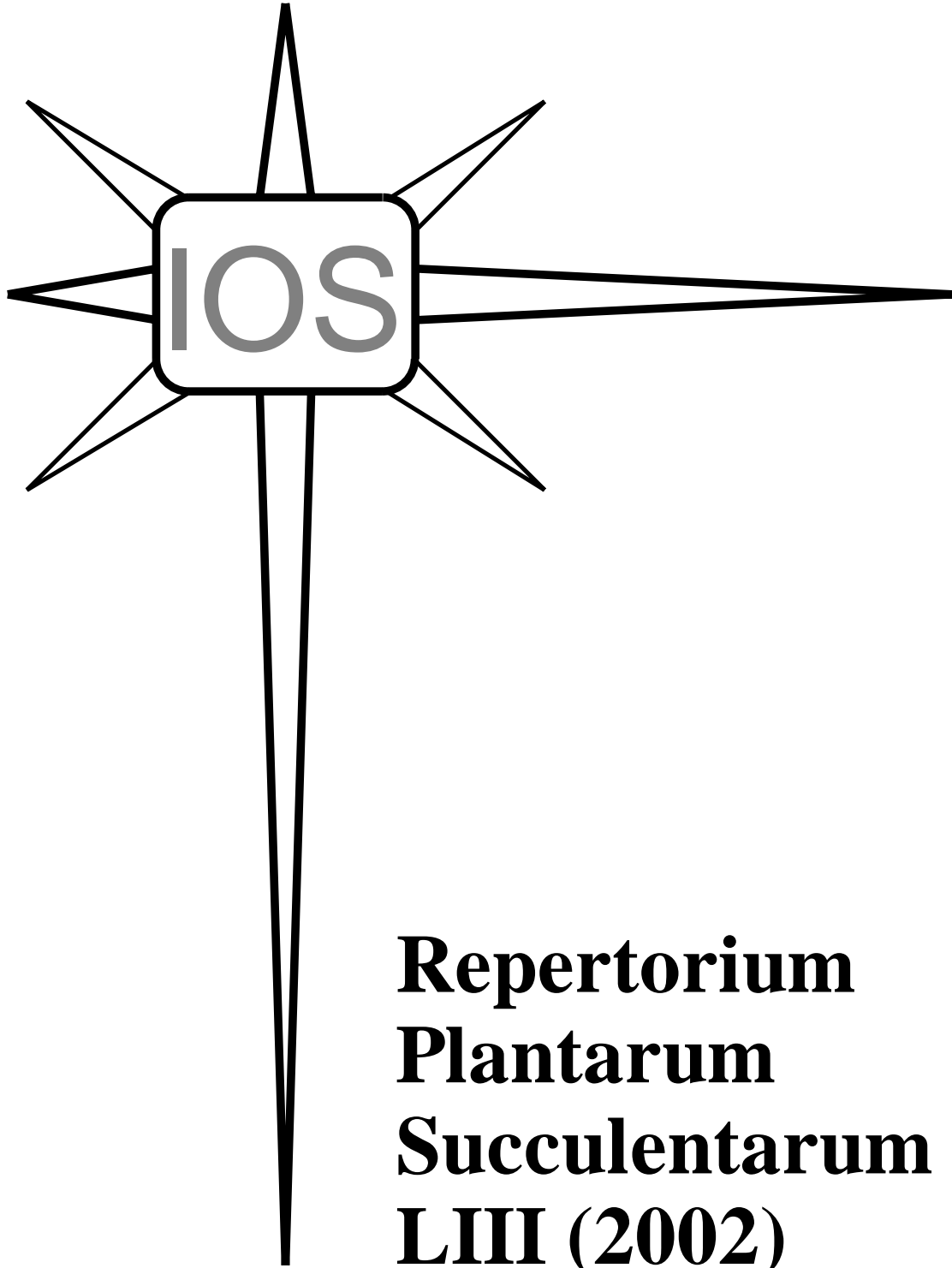


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**Repertorium
Plantarum
Succulentarum
LIII (2002)**

Repertorium Plantarum Succulentarum LIII (2002)

*Index nominum novarum plantarum succulentarum anno MMII editorum
nec non bibliographia taxonomica ab U. Egli et D. C. Zappi
compositus.*

International Organization for Succulent Plant Study
Internationale Organisation für Sukkulente nfor schung

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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 at ZSS and Z or received by the compilers). 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 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 said to be deposited (first acronym for holotype), according to Index Herbariorum, ed. 8 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, illegitimate or incorrect names, the articles of the ICBN which have been contravened are indicated in brackets (note that the numbering of some regularly cited articles has changed in the Tokyo (1994) edition of ICBN).
- 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 not repeated in the bibliographic section.
- Abbreviations for periodicals are those suggested in 'Bibliography of Succulent Plant Periodicals' (U. Eggli in Friciana 60: 1-139, 1998 ('1995')) for specialized periodicals, or those of Bibliographia Periodicorum Huntianum (including Supplement) for most 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 der Drucklegung der Ausgabe des betreffenden Jahres bekannt werden, erscheinen in der nächsten erreichbaren Ausgabe. Spezialisierte Zeitschriften werden umfassend durchgesehen, soweit sie in den Bibliotheken von Z und ZSS vorhanden sind oder den Herausgebern privat vorliegen. 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. 8, und in Taxon publizierten Supplementen] der publizierten Hinterlegungsorte für Holotyp [1. Abkürzung] und Isotypen). Ungültige, illegitime oder falsch angewandte 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. Dabei ist zu beachten, dass die Nummerierung einiger häufig zitiert Artikel mit dem Erscheinen der Tokyo-Version (1994) des ICBN geändert hat.
- 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 'Bibliography of Succulent Plant Periodicals' (U. Eggli in Friciana 60: 1-139, 1998 ('1995')), für allgemeine botanische Zeitschriften in der Regel nach Bibliographia Periodicorum Huntianum und Supplement.

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Compilers' Preface

The present issue of the "Repertorium" is one of the largest so far compiled. Reasons for this are manifold, and the incumbent production of the "Cactus Lexicon" certainly provides its share of new names.

Thanks go to R. Nyffeler and B. Leuenberger for their special help with obscure literature and references to general botanical journals. Further thanks go to N. P. Taylor as well as the Index Kewensis team and Katherine Challis for stimulating discussions on nomenclatural issues. Finally, we are especially grateful to all those authors – members of IOS or not – that have supplied the ZSS library with separate prints of their papers. Their kindness has facilitated the compilation of this Repertorium. In this context, we should like to remind all those publishing on succulent plants in "general" botanical journals to supply a reprint to the IOS archives at the Sukkulenten-Sammlung Zürich.

Vorwort der Herausgeber

Die vorliegende Ausgabe des "Repertorium" gehört zu den grössten, die bisher zusammengestellt wurden. Dafür gibt es mehrere Gründe, wobei die in naher Zukunft zu erwartende Veröffentlichung des "Cactus Lexicon" sicherlich auch zur Flut neuer Namen beiträgt.

Ein Dankeschön geht an R. Nyffeler und B. Leuenberger für die spezielle Hilfe im Zusammenhang mit schwer zu erhaltender Literatur sowie für die Hilfe bei Veröffentlichungen in allgemeinen botanischen Zeitschriften. Ein weiterer Dank geht an N. P. Taylor sowie das Team des Index Kewensis und Katherine Challis für die befruchtenden Diskussionen nomenklatorischer Problemfälle. Schliesslich geht ein Dank an alle Autorinnen und Autoren – Mitglieder der IOS oder nicht – welche die Bibliothek ZSS mit Separatdrucken ihrer Veröffentlichungen bedient haben. Diese Hilfe hat uns die Zusammenstellung dieses Repertoriums wesentlich erleichtert. In diesem Zusammenhang dürfen wir alle diejenigen, welche in "allgemeinen" botanischen Zeitschriften über Sukkulenten publizieren, bitten, das IOS-Archiv an der Sukkulenten-Sammlung Zürich doch jeweils mit einem Sonderdruck zu bedienen.

Correction to previous volumes

- The name *Notocactus* subser. *Werdermanniani* Prauser was incorrectly shown as having the rank of ser. in RPS 52. Thanks go to W. Prauser for pointing this out. In addition, the name *Notocactus* subser. *Tabulares* Prauser was not included in RPS in the belief that the name was previously published (see this issue for details).

Korrektur zu früheren Bänden

- Der Name *Notocactus* subser. *Werdermanniani* Prauser wurde im RPS 52 fälschlicherweise unter der Rangstufe ser. aufgeführt, und wir danken W. Prauser für seinen entsprechenden Hinweis. Darüberhinaus wurde der Name *Notocactus* subser. *Tabulares* Prauser ausgelassen, weil wir angenommen hatten, dass dieser Name bereits früher veröffentlicht worden sei (vgl. die vorliegende Ausgabe für weitere Angaben).

NOMINA NOVA

AGAVACEAE

- Agave garciae-mendozae** Galván & L. Hernández, *Cact. Succ. J. (US)* 74(4): 188, ill. (pp. 189-190), 2002. Typus: *Galván et Galván* 4646 (ENCB, CHAPA, MEXU, MO, QMEX, UAMIZ).
- Agave ovatifolia** G. Starr & Villarreal, *Sida* 20(2): 495-496, ill., 2002. Typus: *Villarreal et al.* 9180 (MEXU, ANSM, TEX).
- Agave victoriae-reginae** ssp. *swobodae* Halda, *Acta Mus. Richnov. Sect. Nat.* 7(2): 71, 2000. Typus: *Halda* 8504315 (PR). [Amplified description in l.c. 9(1): 2-3, fig. 2, 2003 ('2002').]
- Yucca** Ser. **Baccatae** Hochstätter, *Cactaceae Rev.* 5(1): 19, 2002. Typus: *Yucca baccata* Torrey.
- Yucca** Ser. **Faxonianae** Hochstätter, *Cactaceae Rev.* 5(1): 19, 2002. Typus: *Yucca faxoniana* (Trelease) Sargent.
- Yucca** Ser. **Filamentosae** Hochstätter, *Cactaceae Rev.* 5(1): 18, 2002. Typus: *Yucca filamentosa*. First published invalidly (Art. 37.5) in *Kaktusblüte* 2001: 7, 2001 (cf. RPS 52).
- Yucca** Ser. **Glaucæ** Hochstätter, *Cactaceae Rev.* 5(1): 18, 2002. Typus: *Yucca glauca* Nuttall.
- Yucca** Ser. **Gloriosae** Hochstätter, *Succulenta* 81(2): 89, (3): 135 [erratum], 2002. Typus: *Yucca gloriosa* Linné (cf. erratum).
- Yucca** Ser. **Harrimaniae** Hochstätter, *Cactaceae Rev.* 5(1): 17, 2002. Typus: *Yucca harrimaniae* Trelease.
- Yucca** Ser. **Rupicolae** Hochstätter, *Cactaceae Rev.* 5(1): 17, 2002. Typus: *Yucca rupicola* Scheele.

AIZOACEAE

- Cheiridopsis umbrosa** S. A. Hammer & Desmet, *Cact. Succ. J. (US)* 74(3): 114-115, ill. (pp. 112-113), 2002. Typus: *Barnhill et Hammer* 2300A (BOL).
- Conophytum** cv. **Don Juan** S. A. Hammer, *New Views Gen. Conophytum*, 291, ill., 2002. [= *C. maughanii* ssp. *maughanii* × *C. stephanii* ssp. *helmutii*.]
- Conophytum** cv. **Eleanor's Ruby** S. A. Hammer, *New Views Gen. Conophytum*, 290, ill., 2002. [= *C. lithopsoides* ssp. *boreale* × (*C. lithopsoides* ssp. *lithopsoides* × *C. lithopsoides* ssp. *koubergense*).]
- Conophytum** cv. **Firesphere** S. A. Hammer, *New Views Gen. Conophytum*, 292, ill., 2002. [= *C. maughanii* ssp. *maughanii* × *C. stephanii* ssp. *helmutii*.]
- Conophytum** cv. **Hanamatsuri** S. A. Hammer, *New Views Gen. Conophytum*, 286, ill., 2002. [A flower colour variant of *Conophytum* 'Goshu-Goruma'.]
- Conophytum** cv. **Mabel's Fire** S. A. Hammer, *New Views Gen. Conophytum*, 296, ill., 2002. [= *C. wettsteinii* × *C. flavum* ssp. *flavum*, F2 generation.]
- Conophytum** cv. **Mabel's Milkman** S. A. Hammer, *New Views Gen. Conophytum*, 288, ill., 2002. [= *C. ectypum* ssp. *brownii* × *C. bilobum*.]
- Conophytum** cv. **Madame K** S. A. Hammer, *New Views Gen. Conophytum*, 291, ill., 2002. [= *C. maughanii* ssp. *armeniaceum* × *C. obcordatum* var. *ceresianum*.]
- Conophytum** cv. **Nancibelle** S. A. Hammer, *New Views Gen. Conophytum*, 297, ill., 2002. [= (*C. wettsteinii* × *C. flavum* ssp. *flavum*) × *C. jucundum* ssp. *fragile* "avenantii".]
- Conophytum** cv. **Night and Day** S. A. Hammer, *New Views Gen. Conophytum*, 288, ill., 2002. [= *C. friedrichiae* × *C. ficiforme*.]
- Conophytum** cv. **Rose Dawn** S. A. Hammer, *New Views Gen. Conophytum*, 291, ill., 2002. [= *C. maughanii* ssp. *maughanii* × *C. stephanii* ssp. *helmutii*.]
- Conophytum** cv. **Secret of Suzanne** S. A. Hammer, *New Views Gen. Conophytum*, 289, ill., 2002. [= *C. ectypum* ssp. *brownii* × *C. bilobum*; = *Conophytum* × *marnierianum*.]
- Conophytum arthurofago** (S. A. Hammer) S. A. Hammer, *New Views Gen. Conophytum*, 64, 2002. Basionym: *Conophytum lithopsoides* ssp. *arthurofago*. [Validity of the combination questionable under Art. 33.3 and depending on the interpretation of what constitutes an "indication" of the replaced name. This comment applies to all other combinations published in this book.]
- Conophytum bilobum** ssp. **altum** (L. Bolus) S. A. Hammer, *New Views Gen. Conophytum*, 85, 2002. Basionym: *Conophytum altum*.
- Conophytum bilobum** ssp. **claviferens** S. A. Hammer, *New Views Gen. Conophytum*, 86, fig. 62 (p. 74), 2002. Typus: *Hammer et Marx* 2465 (BOL).
- Conophytum bilobum** var. **elishae** (N. E. Brown) S. A. Hammer, *New Views Gen. Conophytum*, 85, 2002. Basionym: *Mesembryanthemum elishae*.
- Conophytum bilobum** var. **linearilucidum** (L. Bolus) S. A. Hammer, *New Views Gen. Conophytum*, 85, 2002. Basionym: *Conophytum linearilucidum*.
- Conophytum bilobum** var. **muscosipillatum** (Lavis) S. A. Hammer, *New Views Gen. Conophytum*, 85, 2002. Basionym: *Conophytum muscosipillatum*.
- Conophytum depressum** ssp. **perdurans** S. A. Hammer, *New Views Gen. Conophytum*, 121, ill. (p. 101), 2002. Typus: *Hammer et Smale* 458/88 (BOL).
- Conophytum ectypum** ssp. **brownii** (Tischer) S. A. Hammer, *New Views Gen. Conophytum*,

- 125, ills. (p. 103), 2002. Basionym: *Conophytum brownii*.
- Conophytum ectypum** ssp. **ignavum** S. A. Hammer, New Views Gen. Conophytum, 125, ills. (p. 104), 2002. Typus: *Hammer et al.* 2425 (BOL).
- Conophytum francoiseae** (S. A. Hammer) S. A. Hammer, New Views Gen. Conophytum, 133, ills. (p. 109), 2002. Basionym: *Conophytum wetsteinii* ssp. *francoiseae*.
- Conophytum hermarium** (S. A. Hammer) S. A. Hammer, New Views Gen. Conophytum, 142, ills. (p. 110), 2002. Basionym: *Conophytum smorenskadiense* ssp. *hermarium*.
- Conophytum jucundum** ssp. **fragile** (Tischer) S. A. Hammer, New Views Gen. Conophytum, 165, ills. (p. 148), 2002. Basionym: *Conophytum fragile*.
- Conophytum jucundum** ssp. **ruschii** (Schwantes) S. A. Hammer, New Views Gen. Conophytum, 165, ills. (p. 149), 2002. Basionym: *Conophytum ruschii*.
- Conophytum marginatum** ssp. **haramoepense** (L. Bolus) S. A. Hammer, New Views Gen. Conophytum, 181, ills. (p. 154), 2002. Basionym: *Ophthalmophyllum haramoepense*.
- Conophytum marginatum** ssp. **littlewoodii** (L. Bolus) S. A. Hammer, New Views Gen. Conophytum, 181, ills. (p. 154), 2002. Basionym: *Conophytum littlewoodii*.
- Conophytum minusculum** ssp. **aestiflorens** S. A. Hammer & Smale, in S. A. Hammer, New Views Gen. Conophytum, 187-188, ills. (p. 159), 2002. Typus: *Mitchell* 448a (NBG).
- Conophytum obscurum** ssp. **sponsaliorum** (S. A. Hammer) S. A. Hammer, New Views Gen. Conophytum, 212, ills. (p. 197), 2002. Basionym: *Conophytum bachelorum* ssp. *sponsaliorum*.
- Conophytum pellucidum** ssp. **saueri** S. A. Hammer & Smale, in S. A. Hammer, New Views Gen. Conophytum, 216, ills. (p. 202), 2002. Typus: *Sauer* 89/0401 (BOL).
- Conophytum swanepoelianum** ssp. **rubrolineatum** (Rawé) S. A. Hammer, New Views Gen. Conophytum, 263, ills. (p. 247), 2002. Basionym: *Conophytum rubrolineatum*.
- Conophytum tantillum** ssp. **eenkokerense** (L. Bolus) S. A. Hammer, New Views Gen. Conophytum, 265, ills. (p. 248), 2002. Basionym: *Conophytum eenkokerense*.
- Conophytum velutinum** ssp. **polyandrum** (Lavis) S. A. Hammer, New Views Gen. Conophytum, 279, ills. (p. 254), 2002. Basionym: *Conophytum polyandrum*.
- Delospermeae** Chesselet & al., Taxon 51(2): 306, 2002. Typus: *Delosperma* N. E. Brown. [Used as tribal name in *Mesembryanthemaceae*. First used as provisional name in Aloe 38(1-2): 27, 2001]
- Dorotheanthae** Chesselet & al., Taxon 51(2): 306, 2002. Basionym: *Dorotheanthinae*. [Used as tribal name in *Mesembryanthemaceae*. First used as provisional name in Aloe 38(1-2): 27, 2001]
- Drosanthemum dipageae** H. E. K. Hartmann, Bradleya 20: 146, figs. 7-9 (p. 127), 2002. Typus: *Hartmann* 34260 (HBG).
- Hallianthus griseus** S. A. Hammer & U. Schmiedel, Cact. Succ. J. (US) 74(5): 227-231, ills., 2002. Typus: *Hammer et al.* 2575 (BOL).
- Jordaaniella anemoniflora** (L. Bolus) van Jaarsveld, Haseltonia 8: 41, ill. (p. 39), 2002. Basionym: *Mesembryanthemum anemoniflorum*. [Vol. for 2001, post-marked Dec. 2002.]
- Jordaaniella maritima** (L. Bolus) van Jaarsveld, Haseltonia 8: 41, ills. (p. 40), 2002. Basionym: *Mesembryanthemum maritimum*. [Vol. for 2001, post-marked Dec. 2002.]
- Lithops bromfieldii** var. **bromfieldii** 'White Nymph' Y. Shimada, Mesemb Study Group Bull. 17(3): 62, ill. (p. 60), 2002. [A horticultural selection from crossing different clones of the taxon. Reprinted in ISIJ Newslett. No. 54: 2, 2003 (without ill.)]
- Malephora pienaarii** van Jaarsveld, Haseltonia 8: 39-40, ill. (p. 38), 2002. Typus: *de Villiers Pienaar* s.n. (NBG). [Vol. for 2001, post-marked Dec. 2002.]

ALOACEAE

- Aloe** cv. **Midas** Audissou, Alsterworthia Internat. 2(1): 3, ills., 2002. [= (*Aloe rauhii* × *A. bellatula*) × *A. sladeniana*.]
- Aloe** cv. **Tiny Gem** Audissou, Alsterworthia Internat. 2(1): 5, ill., 2002. [= *Aloe descoingsii* × *A. sladeniana*.]
- Aloe andohahelensis** Castillon, J. Bot. Soc. Bot. France 16: 41-44, 2002. Typus: *Castillon* 9 (P). [Dated 2001, publ. 2002 fide K.]
- Aloe arborescens** cv. **Compton** van Jaarsveld, Veld. Fl. (1975+) 88(2): 63, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Eloff** van Jaarsveld, Veld. Fl. (1975+) 88(2): 64, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Huntley** van Jaarsveld, Veld. Fl. (1975+) 88(2): 64, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Jack Marais** van Jaarsveld, Veld. Fl. (1975+) 88(2): 65, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **John Winter** van Jaarsveld, Veld. Fl. (1975+) 88(2): 65, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Mathews** van Jaarsveld, Veld. Fl. (1975+) 88(2): 64, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Pearson** van Jaarsveld, Veld. Fl. (1975+) 88(2): 63, ill., 2002. [A hor-

- tical selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Philip le Roux** van Jaarsveld, Veld. Fl. (1975+) 88(2): 65, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe arborescens** cv. **Rycroft** van Jaarsveld, Veld. Fl. (1975+) 88(2): 64, ill., 2002. [A horticultural selection obtained at Kirstenbosch National Botanical Gardens.]
- Aloe canis** S. Lane, Aloe 38(3/4): 72-73, ills., 2002. Typus: MAL [Apparently based on 2 syntypes from Malawi]. *Nom. inval.* (Art. 9.1, 37.1). [Sphalm. 'canii']
- Aloe carolineae** L. E. Newton, Brit. Cact. Succ. J. 20(4): 205, ills., 2002. Typus: *Newton et al.* 5764 (EA).
- Aloe dichotoma** ssp. **pillansii** (L. Guthrie) Zonneveld, Bradleya 20: 10, 2002. Basionym: *Aloe pillansii*.
- Aloe dichotoma** ssp. **ramosissima** (Pillans) Zonneveld, Bradleya 20: 10, 2002. Basionym: *Aloe ramosissima*.
- Aloe hoffmannii** Lavranos, Cact. Succ. J. (US) 74(3): 116-118, ills., 2002. Typus: *Röösl et Hoffmann* 43/95 (P).
- Aloe mahraensis** Lavranos & McCoy, Cact. Succ. J. (US) 74(5): 238-240, ills., 2002. Typus: *Lavranos et al.* 31475 (MO, P).
- Aloe mitriformis** ssp. **comptonii** (Reynolds) Zonneveld, Bradleya 20: 10, 2002. Basionym: *Aloe comptonii*.
- Aloe mitriformis** ssp. **distans** (Haworth) Zonneveld, Bradleya 20: 10, 2002. Basionym: *Aloe distans*.
- Aloe praetermissa** T. A. McCoy & Lavranos, Cact. Succ. J. (US) 74(1): 27-28, ills., 2002. Typus: *McCoy* 2298 (MO, K, P).
- Aloe rebmannii** Lavranos, Cact. Succ. J. (US) 74(3): 118-120, ills., 2002. Typus: *Rebmann* s.n. (P).
- Aloe teissieri** Lavranos, Cact. Succ. J. (US) 74(2): 65-66, ills., 2002. Typus: *Teissier* 232 (P).
- × **Gasteraloe** cv. **Lucia** Audissou, Alsterworthia Internat. 2(1): 5, ill., 2002. [= *Gasteria glomerata* × *Aloe parvula*.]
- × **Gasterhaworthia** cv. **Black Snake** Audissou, Alsterworthia Internat. 2(1): 4, ill., 2002. [= *Haworthia koelmaniorum* × *Gasteria baylisiana*.]
- × **Gasterhaworthia** cv. **Sabrina** Audissou, Alsterworthia Internat. 2(1): 4, ill., 2002. [= *Haworthia longiana* × *Gasteria glomerata*.]
- Gasteria carinata** var. **retusa** 'White Shark' Mak, Alsterworthia Internat. 2(3): 14, ill., 2002.
- Haworthia** cv. **Crocodile Skin** Audissou, Alsterworthia Internat. 2(1): 4, ill., 2002. [= *Haworthia koelmaniorum* × *H. limifolia* var. *ubomboensis*.]
- Haworthia** cv. **Green Sword** Mak, Alsterworthia Internat. 2(2): 4, ill., 2002. [= *Haworthia blackburniae* × *H. emelyae* var. *major* hybrid.]
- Haworthia** cv. **Lady Lai Kuen** Mak, Alsterworthia Internat. 2(3): 14, ill., 2002. [= *Haworthia bayeri* × *H. emelyae* var. *comptoniana*.]
- Haworthia** cv. **Zenigata** Mak, Alsterworthia Internat. 3(1): 4, ills. (p. 3), 2003. [Based on *Haworthia zenigata* M. Hayashi 2001.]
- Haworthia** Subgen. **Globosiflora** M. Hayashi, Alsterworthia Internat. 2(3): 9, 2002. *Nom. inval.* (Art. 36.1, 37.1). [Mentioned in passing in the form of a "false example".]
- Haworthia** Subgen. **Trigonoflora** M. Hayashi, Alsterworthia Internat. 2(3): 9, 2002. *Nom. inval.* (Art. 36.1, 37.1). [Mentioned in passing in the form of a "false example".]
- Haworthia agnis** Battista, Alsterworthia Internat. 2(2): 8-9, ills., 2002. Typus: *Battista et Archer* 01-01 (PAD (HG 1029)).
- Haworthia albertinensis** Breuer, Alsterworthia Internat. 2(3): 3, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia albispina** M. Hayashi, Haworthia Study No. 8: 1-2, ills., 2002. Typus: *Hayashi* 02-48 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia bayeri** var. **scabrifolia** Breuer, Alsterworthia Internat. 2(3): 3, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia bolusii** var. **pringlei** (C. L. Scott) M. B. Bayer, Haworthiad 16(2): 62, 2002. Basionym: *Haworthia pringlei*.
- Haworthia breueri** M. Hayashi, Haworthia Study No. 7: 14, ill., 2002. Typus: *Hayashi* 84-25 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia cooperi** var. **doldii** M. B. Bayer, Haworthiad 16(2): 65-66, ills. (p. 71), 2002. Typus: *Dold* 3961 (GRA).
- Haworthia cooperi** var. **gracilis** (von Poellnitz) M. B. Bayer, Haworthiad 16(2): 64, 2002. Basionym: *Haworthia gracilis*.
- Haworthia cooperi** var. **isabellae** (von Poellnitz) M. B. Bayer, Haworthiad 16(2): 65, 2002. Basionym: *Haworthia isabellae*.
- Haworthia cooperi** var. **picturata** (M. B. Bayer) M. B. Bayer, Haworthiad 16(2): 65, 2002. Basionym: *Haworthia gracilis* var. *picturata*.
- Haworthia cooperi** var. **tenera** (von Poellnitz) M. B. Bayer, Haworthiad 16(2): 65, 2002. Basionym: *Haworthia tenera*.
- Haworthia cooperi** var. **viridis** (M. B. Bayer) M. B. Bayer, Haworthiad 16(2): 65, 2002. Basionym: *Haworthia gracilis* var. *viridis*.
- Haworthia correcta** var. **lucida** M. Hayashi, Haworthia Study No. 7: 14, ill., 2002. Typus: *Hayashi* 86-33 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia cymbiformis** var. **obtusa** 'Chik-chun Mak' Mak, Alsterworthia Internat. 2(2): 3, ill., 2002. [A yellow variegated sport obtained in cultivation.]
- Haworthia decipiens** var. **virella** M. B. Bayer, Haworthiad 16(2): 63-64, ills. (p. 66-70), 2002. Typus: *Bayer* 2070 (NBG).
- Haworthia decipiens** var. **xiphiophylla** (Baker) M. B. Bayer, Haworthiad 16(2): 63, 2002. Basionym: *Haworthia xiphiophylla*.
- Haworthia devriesii** Breuer, Alsterworthia Internat. 2(3): 3, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia enigma** M. Hayashi, Haworthia Study

- No. 7: 14, ill., 2002. Typus: *Hayashi* 96-5 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia esterhuizenii** M. Hayashi, *Haworthia Study* No. 7: 14, ill., 2002. Typus: *Hayashi* 96-6 (Res. Inst. Evol. Biol. Tokyo). [*Non H. esterhuizenii* Breuer 2002 (*nom. nud.*).]
- Haworthia esterhuizenii* Breuer, *Alsterworthia Internat.* 2(3): 3-4, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name. *Non Haworthia esterhuizenii* M. Hayashi 2002.]
- Haworthia hayashii** M. Hayashi, *Haworthia Study* No. 7: 14, ill., 2002. Typus: *Hayashi* 81-122 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia jansenvillensis* Breuer, *Alsterworthia Internat.* 2(3): 4, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia leightonii* var. *davidii* Breuer, *Alsterworthia Internat.* 2(3): 4-5, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia leightonii* var. *doldii* Breuer, *Alsterworthia Internat.* 2(3): 4-5, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia magnifica* var. *pseudomutica* Breuer, *Alsterworthia Internat.* 2(3): 4-5, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia mucronata* var. *calitzdorpenensis* Breuer, *Alsterworthia Internat.* 2(3): 4-5, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia multifolia* var. *sandkraalensis* Breuer, *Alsterworthia Internat.* 2(3): 5, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia odetteae* Breuer, *Alsterworthia Internat.* 2(3): 5-6, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia picta* var. *janvlokii* Breuer, *Alsterworthia Internat.* 2(3): 5-6, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia picta* var. *tricolor* Breuer, *Alsterworthia Internat.* 2(3): 5-6, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia pygmaea** var. **pygmaea 'Frosty Cream'** Mak, *Alsterworthia Internat.* 2(2): 3, ill., 2002. [A variegated form encountered in cultivation.]
- Haworthia pygmaea** var. **pygmaea 'Silver Thunder'** Mak, *Alsterworthia Internat.* 2(2): 3, ill., 2002. [From material cultivated in Japan, probably selected from a wild population.]
- Haworthia scottii* Breuer, *Alsterworthia Internat.* 2(3): 5-6, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia tradouwensis* Breuer, *Alsterworthia Internat.* 2(3): 6-7, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia tretyrensis* Breuer, *Alsterworthia Internat.* 2(3): 6-7, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia truncata* var. *minor* Breuer, *Alsterworthia Internat.* 2(3): 6-7, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]
- Haworthia viscosa* var. *variabilis* Breuer, *Alsterworthia Internat.* 2(3): 6-7, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1). [Published as provisional name.]

APOCYNACEAE

- Pachypodium namaquanum** cv. **Umdaus** Halda, *Atlas Sukk.* 5: no. 187, ill., 2002. [Dated 2001, published c. Dec. 2002 or even Jan. 2003 (received 20. 1. 2003). A cristate form.]

ASCLEPIADACEAE

- Anomalluma mccoysi** (Lavranos & Mies) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 204, 2002. Basionym: *Pseudolithos mccoysi*.
- Apteranthes burchardii** ssp. **maura** (Maire) Meve & F. Albers *ex* Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 198, 2002. Basionym: *Caralluma burchardii* var. *maura*.
- Apteranthes munbyana** (Decaisne) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 199, 2002. Basionym: *Boucerosia munbyana*.
- Apteranthes staintonii** (H. Hara) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 199, 2002. Basionym: *Caralluma staintonii*.
- Apteranthes tuberculata** (N. E. Brown) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 199, 2002. Basionym: *Caralluma tuberculata*.
- Boucerosia frerei** (G. D. Rowley) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 200, 2002. Basionym: *Caralluma frerei*.
- Brachystelma cummingii** A. P. Dold, *Bothalia* 32(1): 71-73, ill., 2002. Typus: *Dold* 4368 (GRA).
- Caralluma geniculata** (Gravely & Mayurathan) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 197, 2002. Basionym: *Caralluma adscendens* var. *geniculata*.
- Caudanthera edulis** (Edgeworth) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 201, 2002. Basionym: *Boucerosia edulis*.
- Ceropegia zambesiaca** Masinde & Meve, *Kew Bull.* 57: 205-208, ill., 2002. Typus: *Bingham* s.n. (K, EA, MSUN, UBT) [Ex cult. Münster and Bayreuth.]
- Desmidorchis adenensis** (Deflers) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 202, 2002. Basionym: *Boucerosia adenensis*.
- Desmidorchis arabica** (N. E. Brown) Collenette, *Brit. Cact. Succ. J.* 20(1): 7, ill., 2002. Basionym: *Caralluma arabica*. [Sphalm. 'arabicus'. Repeated by Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 202, 2002.]
- Desmidorchis awdeliana** (Deflers) Meve & Liede, *Pl. Syst. Evol.* 234(1-4): 202, 2002. Basio-

- nym: *Boucerosia awdeliana*. [Sphalm. 'awdelianus'.]
- Desmidorchis flava** (N. E. Brown) Meve & Liede, Pl. Syst. Evol. 234(1-4): 202, 2002. Basionym: *Caralluma flava*. [Sphalm. 'flavus'. Name first used invalidly (Art. 33.3) by Collette, Asklepios No. 84: 12, 2002.]
- Desmidorchis foulcheri-delboscii* (Lavranos) Collette, Asklepios No. 84: 12, 2002. *Nom. inval.* (Art. 33.3), based on *Caralluma foulcheri-delboscii*.
- Desmidorchis hexagona* (Lavranos) Collette, Asklepios No. 84: 12, 2002. *Nom. inval.* (Art. 33.3), based on *Caralluma hexagona*. [Sphalm. 'hexagonus'.]
- Desmidorchis lavrani** (Rauh & Wertel) Meve & Liede, Pl. Syst. Evol. 234(1-4): 202, 2002. Basionym: *Caralluma lavrani*.
- Desmidorchis petraea** (Lavranos) Collette, Brit. Cact. Succ. J. 20(1): 11, ills. (p. 9), 2002. Basionym: *Caralluma petraea*.
- Desmidorchis rauhii* (Lavranos) Collette, Asklepios No. 84: 12, 2002. *Nom. inval.* (Art. 33.3), based on *Caralluma rauhii*.
- Hoya acicularis** T. Green & Kloppenburg, Fraterna 15(4): 7-12, ills., 2002. Typus: *Green* 93031 (BISH).
- Hoya buotii** Kloppenburg, Fraterna 15(4): 1-5, ills., cover ill., 2002. Typus: *Anonymus* s.n. (CAHUP 67049).
- Hoya gildingii** Kloppenburg, Fraterna 15(1): 10, 2002. Typus: *Anonymus* s.n. ex *Hort. E. K. Wiberg* 97009 (UC) [Ex cult. E. K. Wiberg.]. [First used invalidly (Art. 37.6) in l.c. 14(4): 1-3, ills., cover-ill., 2001.]
- Hoya juanguoiana** Kloppenburg, Fraterna 15(1): 1-6, ills., cover-ill.; (2): 15 [erratum], 2002. Typus: *Kloppenburg* 2001 (UC).
- Hoya nabawanensis** Kloppenburg & Wiberg, Fraterna 15(2): 2-6, ills., 2002. Typus: *Wiberg* 2002 (UC).
- Hoya siariae** Kloppenburg, Fraterna 15(3): 1-4, ills., cover ill., 2002. Typus: *Siar* 200012 (CHAUP).
- Hoya sipitangensis** Kloppenburg & Wiberg, Fraterna 15(3): 4-7, ills., 2002. Typus: *Wiberg et al.* 52002 (UC).
- Hoya xtuafanua* A. Whistler & Kloppenburg, Fraterna 15(2): 13-17, ills., 2002. Based on Whistler 10958. *Nom. inval.* (Art. 37.6). [= *H. australis* × *H. chlorantha*, naturally occurring.]
- Hoya whistleri** Kloppenburg, Fraterna 15(1): 7-10, ills., 2002. Typus: *Whistler* 3139 (BISH).
- Monolluma hexagona** (Lavranos) Meve & Liede, Pl. Syst. Evol. 234(1-4): 203, 2002. Basionym: *Caralluma hexagona*.
- Monolluma socotrana** (Balfour fil.) Meve & Liede, Pl. Syst. Evol. 234(1-4): 203, 2002. Basionym: *Boucerosia socotrana*.
- Monolluma solenophora** (Lavranos) Meve & Liede, Pl. Syst. Evol. 234(1-4): 204, 2002. Basionym: *Caralluma solenophora*.
- Orbea carnos** ssp. **keithii** (R. A. Dyer) Bruyns, Syst. Bot. Monogr. 63: 89, ills. (p. 90), 2002. Basionym: *Caralluma keithii*.
- Orbea circes** (M. G. Gilbert) Bruyns, Syst. Bot. Monogr. 63: 78, ills. (p. 79), 2002. Basionym: *Caralluma circes*.
- Orbea gilbertii** (Plowes) Bruyns, Syst. Bot. Monogr. 63: 46, 2002. Basionym: *Angolluma gilbertii*.
- Orbea semota** ssp. **orientalis** Bruyns, Syst. Bot. Monogr. 63: 136-137, ills., 2002. Typus: *Luke* 5511 (BOL).
- Orbea sprengeri** ssp. **commutata** (A. Berger) Bruyns, Syst. Bot. Monogr. 63: 50, ills., 2002. Basionym: *Caralluma commutata*.
- Orbea taitica** Bruyns, Syst. Bot. Monogr. 63: 97-98, ills., 2002. Typus: *Luke et al.* 5561 (BOL, K).
- Pseudolithos gigas** Dioli, Kew Bull. 57(4): 985-986, ill. (fig. 1B, p. 987), 2002. Typus: *Dioli* 25 (ETH, K).
- Pseudolithos harardheranus** Dioli, Kew Bull. 57(4): 987-988, ill., 2002. Typus: *Dioli* 35 (K).
- Richtersveldia** Meve & Liede, Pl. Syst. Evol. 234(1-4): 204, 2002. Typus: *Trichocaulon columnaris* Nel.
- Richtersveldia columnaris** (Nel) Meve & Liede, Pl. Syst. Evol. 234(1-4): 205, 2002. Basionym: *Trichocaulon columnare*.
- Socotrella** Bruyns & A. G. Miller, Novon 12(3): 330-333, 2002. Typus: *Socotrella dolichocheema* Bruyns & A. G. Miller.
- Socotrella dolichocheema** Bruyns & A. G. Miller, Novon 12(3): 330-333, 2002. Typus: *Miller* 19110 (E).

ASPHODELACEAE

- Bulbine alba** van Jaarsveld, Haseltonia 8: 37-39, ills., 2002. Typus: *de Villiers Pienaar* s.n. (NBG). [Vol. for 2001, post-marked Dec. 2002.]

ASTERACEAE

- Kleinia mccoysi** L. E. Newton, Cact. Succ. J. (US) 74(5): 216-219, ills., 2002. Typus: *McCoy* 2374 (MO, P).
- Othonna pavelkai** Lavranos, Cact. Succ. J. (US) 74(3): 142-145, ills., 2002. Typus: *Pavelka* s.n. (PRE, P).

BEGONIACEAE

- Begonia jarmilae** Halda, Acta Mus. Richnov. Sect. Nat. 7(2): 71-72, 2000. Typus: *Halda* 8504314 (PR). [Omitted previously. Amplified description in l.c. 9(1): 9-10, fig. 13, 2003 ('2002').]

CACTACEAE

- Acanthorhipsalis brevispina** F. Ritter *ex* Doweld, Sukkulenty 4(1-2): 34, 2002. Typus: Ritter 1419 (SGO). [First published invalidly (Art. 37.1, 37.3) by F. Ritter, Kakt. Südamer. 4: 1260, fig. 1114, 1981.]
- Acanthorhipsalis monacantha** ssp. **kimnachii** Doweld, Sukkulenty 4(1-2): 41, 2002. Typus: Aguilar s.n. (HNT, HEID, US). [*Nom. nov. pro Rhipsalis monacantha* var. *espinosa* Kimnach 1995. Dated 2001, publ. Dec. 2002 or later.]
- Acharagma roseanum** ssp. **galeanense** (Haugg) D. R. Hunt, Cact. Syst. Init. No. 14: 7, 2002. Basionym: *Escobaria roseana* ssp. *galeanensis*. [Sphalm. 'roseana', 'galeanensis'.]
- Airampoa albisaetacens** (Backeberg) Doweld, Turczaninowia 5(2): 28, 2002. Basionym: *Opuntia albisaetacens*.
- Airampoa armata** (Backeberg) Doweld, Turczaninowia 5(2): 28, 2002. Basionym: *Opuntia armata*.
- Airampoa ayrampo** (Azara) Doweld, Turczaninowia 5(2): 28, 2002. Basionym: *Cactus ayrampo*.
- Airampoa boliviensis** (Backeberg) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Opuntia boliviensis*.
- Airampoa cedergreniana** (Backeberg) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Opuntia cedergreniana*.
- Airampoa chilensis** (F. Ritter) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Platyopuntia chilensis*.
- Airampoa corrugata** (Salm-Dyck) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Opuntia corrugata*.
- Airampoa erectoclada** (Backeberg) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Opuntia erectoclada*.
- Airampoa ianthinantha** (F. Ritter) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Platyopuntia ianthinantha*.
- Airampoa microdisca** (F. A. C. Weber) Doweld, Turczaninowia 5(2): 29, 2002. Basionym: *Opuntia microdisca*.
- Airampoa minuscula** (Backeberg) Doweld, Turczaninowia 5(2): 30, 2002. Basionym: *Tephrocactus minusculus*.
- Airampoa orurensis** (Cárdenas) Doweld, Turczaninowia 5(2): 30, 2002. Basionym: *Opuntia orurensis*.
- Airampoa panellana** (Backeberg) Doweld, Turczaninowia 5(2): 30, 2002. Basionym: *Opuntia armata* var. *panellana*.
- Airampoa picardoii** (Marnier-Lapostolle) Doweld, Turczaninowia 5(2): 30, 2002. *Nom. inval.*, based on *Opuntia picardoii*, *nom. inval.* (Art. 37.1).
- Airampoa silvestris** (Backeberg) Doweld, Turczaninowia 5(2): 30, 2002. Basionym: *Opuntia silvestris*.
- Airampoa tilcarensis** (Backeberg) Doweld, Turczaninowia 5(2): 30, 2002. Basionym: *Opuntia tilcarensis*.
- ×**Aporberocereus innesii** (Kimnach) Doweld, Sukkulenty 4(1-2): 40, 2002. Basionym: *Seleznicereus innesii*. [Dated 2001, publ. Dec. 2002 or later.]
- Ariocarpus fissuratus** fa. *grcailis* Hovorka & al., Kaktusy 38(1): 3-5, ill., 2002. *Nom. inval.* (Art. 34.1b, 36.1). [Published as provisional name]
- Armatocereus godingianus** ssp. **brevispinus** (J. E. Madsen) D. R. Hunt, Cact. Syst. Init. No. 14: 9, 2002. Basionym: *Armatocereus brevispinus*.
- Arrojadoa multiflora** ssp. **hofackeriana** P. J. Braun & Esteves, Kakt. and. Sukk. 53(3): 75, ill. (pp. 71-73), 2002. Typus: *Horst et Uebelmann* HU 1394 (UFG 22429, ZSS).
- Austrocylindropuntia subulata** ssp. **exaltata** (A. Berger) D. R. Hunt, Cact. Syst. Init. No. 14: 11, 2002. Basionym: *Opuntia exaltata*.
- Austrocylindropuntieae** R. S. Wallace & S. L. Dickie, Succ. Pl. Res. 6: 20, 2002. Typus: *Austrocylindropuntia* Backeberg.
- Brasiliopuntia brasiliensis** ssp. **bahiensis** (Britton & Rose) P. J. Braun & Esteves, Schumannia No. 3: 188, 2002. Basionym: *Opuntia bahiensis*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Brasiliopuntia brasiliensis** ssp. **subacarpa** (Rizini & A. Mattos) P. J. Braun & Esteves, Schumannia No. 3: 188, 2002. Basionym: *Brasiliopuntia subacarpa*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Browningia candelaris** ssp. **icaensis** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 14: 12, 2002. Basionym: *Browningia icaensis*.
- Chiapasophyllum** Doweld, Sukkulenty 4(1-2): 32, 2002. Typus: *Epiphyllum chrysocardium* Alexander. [Dated 2001, publ. Dec. 2002 or later.]
- Chiapasophyllum chrysocardium** (Alexander) Doweld, Sukkulenty 4(1-2): 32, 2002. Basionym: *Epiphyllum chrysocardium*.
- Cleistocactus brookeae** ssp. **vulpis-cauda** (F. Ritter & Cullmann) Mottram, Cact. Syst. Init. No. 13: 10, 2002. Basionym: *Cleistocactus vulpis-cauda*.
- Cleistocactus candelilla** ssp. **piraymirensis** (Cárdenas) Mottram, Cact. Syst. Init. No. 13: 10, 2002. Basionym: *Cleistocactus piraymirensis*.
- Cleistocactus chrysocephalus** (F. Ritter) Mottram, Cact. Syst. Init. No. 13: 11, 2002. Basionym: *Cephalocleistocactus chrysocephalus*.
- Cleistocactus granditessellatus** (Rauh & Backeberg) Leuenberger, Bot. Jahrb. Syst. 124(1): 20, ill. (p. 22), 2002. Basionym: *Loxanthocereus granditessellatus*.
- Cleistocactus hyalacanthus** ssp. **tarijensis** (Cárdenas) Mottram, Cact. Syst. Init. No. 13: 11, 2002. Basionym: *Cleistocactus tarijensis*.
- Cleistocactus longiserpens** Leuenberger, Bot. Jahrb. Syst. 124(1): 23-25, ill., 2002. Typus: *Hutchison* 1576 (USM, F, NY, UC, US).

- [*Nom. nov. pro Borzicactella serpens sensu F. Ritter (non Cactus serpens Kunth 1823).*]
- Cleistocactus sulcifer** (Rauh & Backeberg) Leuenberger, Bot. Jahrb. Syst. 124(1): 22, 2002. Basionym: *Loxanthocereus sulcifer*.
- Cleistocactus tominensis** ssp. **micropetalus** (F. Ritter) Mottram, Cact. Syst. Init. No. 13: 12, 2002. Basionym: *Cleistocactus micropetalus*.
- Copiapoa** Sect. **Echinopoa** Doweld, Sukkulenty 4(1-2): 48, 2002. Typus: *Echinocactus echinoides* Lemaire ex Salm-Dyck. Dated 2001, publ. Dec. 2002 or later.
- Copiapoa** Sect. **Pilocopiapoa** (F. Ritter) Doweld, Sukkulenty 4(1-2): 48, 2002. Basionym: *Pilocopiapoa*. [Dated 2001, publ. Dec. 2002 or later.]
- Copiapoa** Ser. **Cinerei** Doweld, Sukkulenty 4(1-2): 48, 2002. Typus: *Echinocactus cinereus* Philippi.
- Copiapoa** Ser. **Echinoidei** Doweld, Sukkulenty 4(1-2): 48, 2002. Typus: *Echinocactus echinoides* Lemaire ex Salm-Dyck.
- Copiapoa** Ser. **Feroce**s Doweld, Sukkulenty 4(1-2): 48, 2002. Typus: *Pilocopiapoa solaris* F. Ritter.
- Copiapoa** Ser. **Humiles** Doweld, Sukkulenty 4(1-2): 49, 2002. Typus: *Copiapoa hypogaea* F. Ritter.
- Copiapoa** Ser. **Theloidei** Doweld, Sukkulenty 4(1-2): 55, 2002. Typus: *Echinocactus cinerascens* Salm-Dyck.
- Copiapoa ahremephiana** N. P. Taylor & G. J. Charles, Cact. Syst. Init. No. 13: 15, 2002. Typus: *Ferryman* 53 (K).
- Copiapoa calderana** ssp. **atacamensis** (Middle-ditch) D. R. Hunt, Cact. Syst. Init. No. 13: 12, 2002. Basionym: *Copiapoa atacamensis*. [Repeated by Doweld, Sukkulenty 4(1-2): 55, 2002 ('2001').]
- Copiapoa cinerea** ssp. **columna-alba** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 13: 13, 2002. Basionym: *Copiapoa columna-alba*. [First used invalidly (Art. 24, 32) by Meregalli, *Piante Grasse* 11(4): 20, 1992 ('1991'; rank cryptically indicated l.c. p. 2); and repeated by Doweld, Sukkulenty 4(1-2): 48, 2002 ('2001').]
- Copiapoa cinerea** ssp. **eremophila** (F. Ritter) Doweld, Sukkulenty 4(1-2): 49, 2002. Basionym: *Copiapoa eremophila*.
- Copiapoa coquimbana** ssp. **pendulina** (F. Ritter) Doweld, Sukkulenty 4(1-2): 55, 2002. Basionym: *Copiapoa pendulina*.
- Copiapoa coquimbana** ssp. **pseudocoquimbana** (F. Ritter) Doweld, Sukkulenty 4(1-2): 55, 2002. Basionym: *Copiapoa pseudocoquimbana*.
- Copiapoa coquimbana** ssp. **vallenarensis** (F. Ritter) Doweld, Sukkulenty 4(1-2): 55, 2002. Basionym: *Copiapoa vallenarensis*.
- Copiapoa decorticans** N. P. Taylor & G. J. Charles, Cact. Syst. Init. No. 13: 15, 2002. Typus: *Hoffmann et al.* s.n. (K).
- Copiapoa grandiflora** ssp. **ritteri** Doweld, Sukkulenty 4(1-2): 55, 2002. Typus: *Ritter* 1457 loc. 1 (U 7655). [*Nom. nov. pro Copiapoa esmeraldana* F. Ritter 1980.]
- Copiapoa humilis** ssp. **longispina** (F. Ritter) Doweld, Sukkulenty 4(1-2): 49, 2002. Basionym: *Copiapoa longispina*.
- Copiapoa humilis** ssp. **taltalensis** (Werdermann) Doweld, Sukkulenty 4(1-2): 49, 2002. Incorrect name (Art. 6.6, 11.4), based on *Echinocactus taltalensis*. [Incorrect name, since *C. humilis* was published 1953, the basionym 1929.]
- Copiapoa humilis** ssp. **tocopillana** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 13: 14, 2002. Basionym: *Copiapoa tocopillana*. [Repeated by Doweld, Sukkulenty 4(1-2): 49, 2002 ('2001').]
- Copiapoa humilis** ssp. **varispinata** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 13: 14, 2002. Basionym: *Copiapoa varispinata*.
- Copiapoa hypogaea** ssp. **cobrensis** Doweld, Sukkulenty 4(1-2): 49, 2002. Typus: *Ritter* 540 loc. 1 (U 117651B). [Based on *Copiapoa tenuissima* F. Ritter 1963 (*nom. inval.*, Art. 37.1).]
- Copiapoa hypogaea** ssp. **tenuissima** F. Ritter ex D. R. Hunt, Cact. Syst. Init. No. 13: 14, 2002. Typus: *Ritter* 540 loc. 2 (U). [Based on *C. tenuissima* F. Ritter 1963 (*nom. inval.*, Art. 37.1).]
- Copiapoa marginata** ssp. **robustispina** Doweld, Sukkulenty 4(1-2): 49, 2002. Neotypus: *Ritter* 245 loc. 1 (ZSS T4806). [Based on *Copiapoa bridgesii* sensu F. Ritter 1980.]
- Copiapoa megarhiza** ssp. **echinata** (F. Ritter) Doweld, Sukkulenty 4(1-2): 55, 2002. Basionym: *Copiapoa echinata*.
- Copiapoa montana** ssp. **olivana** (F. Ritter) Doweld, Sukkulenty 4(1-2): 49, 2002. Incorrect name (Art. 6.6, 11.4), based on *Copiapoa olivana*. [If *C. montana* was in fact invalidly published by F. Ritter 1960 as purported by Doweld (l.c.) and was only validated by Doweld, l.c., this combination is incorrect for priority reasons.]
- Copiapoa rupestris** ssp. **desertorum** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 13: 15, 2002. Basionym: *Copiapoa desertorum*.
- Copiapoa rupestris** ssp. **hornilloensis** (F. Ritter) Doweld, Sukkulenty 4(1-2): 55, 2002. Basionym: *Copiapoa hornilloensis*.
- Copiapoa rupestris** ssp. **rubriflora** (F. Ritter) Doweld, Sukkulenty 4(1-2): 55, 2002. Basionym: *Copiapoa rubriflora*.
- Copiapoa** × **scopa** Doweld, Sukkulenty 4(1-2): 49, 2002. Typus: *Ritter* 209 loc. 1 (U 145263B). [= *Copiapoa cinerea* × *C. krainziana*. Based on *C. krainziana* var. *scopulina* F. Ritter 1963, p.p., and typified by one of its isotypes.]
- Copiapoeae** (Doweld) Doweld, Sukkulenty 4(1-2): 47, 2002. Basionym: *Copiapoinae*. [Dated 2001, publ. Dec. 2002 or later.]
- Coryphantha kracikii** Halda & al., Cactaceae etc. 12(1): 12-13, ill., 2002. Typus: *Swoboda* s.n. in *Halda* 4709 (PR). [Sphalm. 'kraciki'. Republished in *Acta Mus. Richnov. Ser. Nat.* 9(1): 53-55, figs. 64, 2003 ('2002').]

- Cumulopuntia boliviana** ssp. **dactylifera** (Vaupel) D. R. Hunt, Cact. Syst. Init. No. 14: 12, 2002. Basionym: *Opuntia dactylifera*.
- Cumulopuntia boliviana** ssp. **echinacea** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 14: 12, 2002. Basionym: *Tephrocactus echinaceus*.
- Cumulopuntia boliviana** ssp. **ignescens** (Vaupel) D. R. Hunt, Cact. Syst. Init. No. 14: 12, 2002. Basionym: *Opuntia ignescens*.
- Cylindropuntia alcahes** var. **burrageana** (Britton & Rose) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia burrageana*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 204, 2001.]
- Cylindropuntia bigelovii** var. **ciribe** (Engelmann ex J. M. Coulter) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia ciribe*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 205, 2001.]
- Cylindropuntia californica** var. **delgadilloana** (Rebman & Pinkava) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Cylindropuntia delgadilloana*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 206, 2001.]
- Cylindropuntia californica** var. **rosarica** (G. E. Lindsay) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia rosarica*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 206, 2001.]
- Cylindropuntia densispina** (Ralston & Hilsenbeck) Pinkava, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia densispina*.
- Cylindropuntia imbricata** var. **arborescens** (Engelmann) Bulot, Succulentes 25(no. spécial): 39, 2002. Basionym: *Opuntia arborescens*.
- Cylindropuntia lindsayi** (Rebman) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia lindsayi*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 210, 2001.]
- Cylindropuntia molesta** var. **clavellina** (Engelmann ex J. M. Coulter) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia clavellina*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 211, 2001.]
- Cylindropuntia sanfelipensis** (Rebman) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia sanfelipensis*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 212, 2001.]
- Cylindropuntia santamaria** (E. M. Baxter) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Grusonia santamaria*. [First used invalidly (Art. 33.3) by E. F. Anderson, Cact. Fam., 213, 2001.]
- Deamia chontalensis** (Alexander) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Nyctocereus chontalensis*. [Dated 2001, publ. Dec. 2002 or later.]
- ×**Disocactus** Doweld, Sukkulenty 4(1-2): 40, 2002. [Dated 2001, publ. Dec. 2002 or later.] [= *Disisorhipsalis* × *Disocactus*. Non *Disocactus* G. Kunze 1845, which Doweld (l.c.) treats as illegitimate (sic!) orthographical variant vs. *Disocactus* Lindley 1845.]
- ×**Disisorhipsalis petersenii** Doweld, Sukkulenty 4(1-2): 40, 2002. [= *Disisorhipsalis macrantha* × *Disocactus nelsonii*. Abbreviation of the genus name erroneously given as "H.".]
- Disisorhipsalis** Doweld, Sukkulenty 4(1-2): 40, 2002. Typus: *Pseudorhipsalis macrantha* Alexander. [Dated 2001, publ. Dec. 2002 or later.]
- Disisorhipsalis macrantha* (Alexander) Doweld, Sukkulenty 4(1-2): 40, 2002. *Nom. inval.* (Art. 33.3), based on *Pseudorhipsalis macrantha*.
- Disocactus nelsonii** ssp. **hondurensis** (Kimmach) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Disocactus nelsonii* var. *hondurensis*. [Dated 2001, publ. Dec. 2002 or later.]
- Echinocactus mexicanus** (Glass & Fitz Maurice) Halda, Acta Mus. Richnov. Sect. Nat. 7(2): 72, 2000. Basionym: *Geohintonia mexicana*. [Omitted previously.]
- Echinocereus llanuraensis** (Rutow) W. Blum & D. Felix, Echinocereenfreund 15(1): 16, ill. (p. 10-11, 14-15), 2002. Basionym: *Echinocereus nicholii* ssp. *llanuraensis*.
- Echinopsis arachnacantha** ssp. **densiseta** (Rausch) M. Lowry, Cact. Syst. Init. No. 13: 16, 2002. Basionym: *Lobivia arachnacantha* var. *densiseta*.
- Echinopsis arachnacantha** ssp. **sulphurea** (R. Vázquez) M. Lowry, Cact. Syst. Init. No. 13: 17, 2002. Basionym: *Lobivia arachnacantha* var. *sulphurea*.
- Echinopsis arachnacantha** ssp. **torrecillasensis** (Cárdenas) M. Lowry, Cact. Syst. Init. No. 13: 17, 2002. Basionym: *Echinopsis torrecillasensis*.
- Echinopsis caulescens** (F. Ritter) M. Lowry, Cact. Syst. Init. No. 14: 13, 2002. Basionym: *Trichocereus caulescens*.
- Echinopsis ferox** ssp. **potosina** (Werdermann) M. Lowry, Cact. Syst. Init. No. 13: 17, 2002. Basionym: *Echinopsis potosina*.
- Echinopsis formosa** ssp. **bruchii** (Britton & Rose) M. Lowry, Cact. Syst. Init. No. 14: 13, 2002. Basionym: *Lobivia bruchii*.
- Echinopsis formosa** ssp. **kieslingii** (Rausch) M. Lowry, Cact. Syst. Init. No. 14: 13, 2002. Basionym: *Lobivia kieslingii*.
- Echinopsis formosa** ssp. **korethroides** (Backeberg) M. Lowry, Cact. Syst. Init. No. 14: 13, 2002. Basionym: *Echinopsis korethroides*.
- Echinopsis formosa** ssp. **randallii** (Cárdenas) M. Lowry, Cact. Syst. Init. No. 14: 13, 2002. Basionym: *Trichocereus randallii*.
- Echinopsis formosa** ssp. **rosarioana** (Rausch) M. Lowry, Cact. Syst. Init. No. 14: 13, 2002. Basionym: *Lobivia rosarioana*.
- Echinopsis huascha** ssp. **robusta** (Rausch) M. Lowry, Cact. Syst. Init. No. 14: 14, 2002. Basionym: *Lobivia huascha* var. *robusta*.
- Echinopsis tarijensis** ssp. **bertramiana** (Backeberg) M. Lowry, Cact. Syst. Init. No. 14: 14, 2002. Basionym: *Trichocereus bertramianus*.

- Epiphyllanthus microsphaericus** ssp. **candidus** (Löfgren) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Zygocactus candidus*. [Dated 2001, publ. Dec. 2002 or later.]
- Eriocereinae** Doweld, Sukkulenty 4(1-2): 28, 33, 2002. Typus: *Eriocereus* (A. Berger) Riccobono. [Dated 2001, publ. Dec. 2002 or later.]
- ×**Eriocereopsis** Doweld, Sukkulenty 4(1-2): 34, 2002. [Dated 2001, publ. Dec. 2002 or later.] [= *Eriocereus* × *Echinopsis*.]
- ×**Eriocereopsis jusberti** (Rebut ex K. Schumann) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Cereus jusberti*.
- Eriogyne aspillagae** ssp. **maechlerorum** Helmut Walter, Kakt. and. Sukk. 53(10): 258-262, ill., 2002. Typus: *Walter* 142 (CONC, M). [Sphalm. 'maechleri', but named for father and son Mächler.]
- Erythrorhipsalis clavata** (F. A. C. Weber) Doweld, Sukkulenty 4(1-2): 29, 2002. Basionym: *Rhipsalis clavata*.
- Erythrorhipsalis clavata** ssp. **delicatula** (Löfgren) Doweld, Sukkulenty 4(1-2): 31, 2002. Basionym: *Rhipsalis clavata* var. *delicatula*.
- Erythrorhipsalis juengeri** (Barthlott & N. P. Taylor) Doweld, Sukkulenty 4(1-2): 31, 2002. Basionym: *Rhipsalis juengeri*.
- Erythrorhipsalis ormindoi** (N. P. Taylor & Zappi) Doweld, Sukkulenty 4(1-2): 31, 2002. Basionym: *Rhipsalis ormindoi*.
- Erythrorhipsalis pulchra** (Löfgren) Doweld, Sukkulenty 4(1-2): 31, 2002. Basionym: *Rhipsalis pulchra*.
- Espostoa lanata** ssp. **huanucoensis** (F. Ritter) G. Charles, Cact. Syst. Init. No. 14: 15, 2002. Basionym: *Espostoa huanucoensis*.
- Espostoa lanata** ssp. **lanianuligera** (F. Ritter) G. Charles, Cact. Syst. Init. No. 14: 15, 2002. Basionym: *Espostoa lanianuligera*.
- Espostoa lanata** ssp. **ruficeps** (F. Ritter) G. Charles, Cact. Syst. Init. No. 14: 15, 2002. Basionym: *Espostoa ruficeps*.
- Espostoa melanostele** ssp. **nana** (F. Ritter) G. Charles, Cact. Syst. Init. No. 14: 15, 2002. Basionym: *Espostoa nana*.
- Eulychnia breviflora** ssp. **iquiquensis** (K. Schumann) D. R. Hunt, Cact. Syst. Init. No. 14: 16, 2002. Basionym: *Cereus iquiquensis*.
- Eulychnia breviflora** ssp. **ritteri** (Cullmann) D. R. Hunt, Cact. Syst. Init. No. 14: 16, 2002. Basionym: *Eulychnia ritteri*.
- Ferocactus cylindraceus** ssp. **eastwoodiae** (L. D. Benson) N. P. Taylor, Cact. Syst. Init. No. 14: 16, 2002. Basionym: *Ferocactus acanthodes* var. *eastwoodiae*.
- Ferocactus fordii** ssp. **borealis** N. P. Taylor, Cact. Syst. Init. No. 14: 16, 2002. Typus: *Ferguson* 8 (K).
- Frailia amerhauseri** Prestlé, Succulenta 81(3): 132-134, ill., 2002. Typus: *Amerhauser* 95-929a (LPB, WU). [First mentioned in Papsch & Pöschl, Österreichischer in der Welt der Kakteen, 24-25, ill., 2000.]
- Grusonia** Subgen. **Corynopuntia** (F. M. Knuth) Stuppy, Succ. Pl. Res. 6: 48, 2002. Basionym: *Corynopuntia*.
- Grusonia** Subgen. **Marenopuntia** (Backeberg) Stuppy, Succ. Pl. Res. 6: 48, 2002. Basionym: *Marenopuntia*.
- Grusonia** Subgen. **Micropuntia** (Daston) Stuppy, Succ. Pl. Res. 6: 48, 2002. Basionym: *Micropuntia*.
- Grusonia densispina** (Ralston & Hilsenbeck) Rebman, J. Arizona-Nevada Acad. Sci. 34(1): 45, 2002. Basionym: *Opuntia densispina*.
- Gymnocalycium** cv. **andbald** S. Stuchlík, Kaktusy 38(2): 56-58, ill., 2002. [Hybrids developed from *G. baldianum* × *G. andreae*.]
- Gymnocalycium amoenum** (H. Till) J. G. Lambert, Succulenta 81(5): 230, 2002. Basionym: *Gymnocalycium parvulum* var. *amoenum*.
- Gymnocalycium erolesii** Neuhuber & C. A. L. Bercht, Gymnocalycium 15(4): 475-476, ill., 2002. Typus: *Eroles* PE00-25 (BA, WU).
- Gymnocalycium horstii** ssp. **buenekeri** (Swales) P. J. Braun & Hofacker, Schumannia No. 3: 188, 2002. Basionym: *Gymnocalycium buenekeri*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Gymnocalycium lukasikii** Halda & Kupcák, Acta Mus. Richnov. Sect. Nat. 7(2): 72-73, 2000. Typus: *Prochazka* 100/237 (PR). [Sphalm. 'lukasiki'. Amplified description in l.c. 9(1): 19-20, fig. 26, 2003 ('2002').]
- Gymnocalycium mostii** fa. **kurtzianum** (Gürke) H. Till & Amerhauser, Gymnocalycium 15(1): 430, 2002. Basionym: *Echinocactus kurtzianus*.
- Gymnocalycium mostii** ssp. **ferocior** Backeberg ex H. Till & Amerhauser, Gymnocalycium 15(1): 435, ill. (p. 434), 2002. Typus: *Borth* s.n. (CORD) [Ex cult. H. Till no. 905]. [Based on *Gymnocalycium hybopleurum* var. *ferocior* Backeberg 1966 (*nom. inval.*).]
- Gymnocalycium mostii** var. **immemoratum** (Castellanos & H. V. Lelong) H. Till & Amerhauser, Gymnocalycium 15(1): 431, ill., 2002. Basionym: *Gymnocalycium immemoratum*.
- Gymnocalycium mostii** var. **miradoreense** H. Till & Amerhauser, Gymnocalycium 15(1): 432, ill., 2002. Typus: *Amerhauser* 419 (CORD).
- Gymnocalycium paraguayense** fa. **fleischerianum** Meregalli & al., Candollea 57(2): 313, ill. (p. 304), 2002. Typus: *Metzing et al.* 4 (SI).
- Gymnocalycium robustum** R. Kiesling & al., Cact. Succ. J. (US) 74(1): 4-8, ill., 2002. Typus: *Kiesling et Ferrari* 9883 (SI).
- Gymnocalycium schroederianum** ssp. **boessii** R. Kiesling & al., Kakt. and. Sukk. 53(9): 226-228, ill., 2002. Typus: *Ferrari* 3/88 (SI).
- Gymnocalycium valnicekianum** ssp. **prochazkianum** (Sorma) H. Till & Amerhauser, Gymnocalycium 15(2): 452, 2002. Basionym: *Gymnocalycium prochazkianum*.
- Gymnocalycium valnicekianum** var. **bicolor** H. Till & Amerhauser, Gymnocalycium 15(2): 452, 2002. Typus: *Till* 1051 (BA) [Ex cult. H. Till, from a plant originally received from B. Schütz (ill. in l.c. 445)]. [Published as combi-

- nation for *G. bicolor* Schütz 1962 (*nom. inval.*, Art. 37.1) but to be treated as cryptic but valid publication of a new taxon (type given as "neotypus").]
- Gymnobrebutia** Doweld, Sukkulenty 4(1-2): 24, 2002. Typus: *Weingartia pulquinensis* Cárdenas. [Based on *Weingartia* Subgen. *Cumingia* F. Brandt 1983. Dated 2001, publ. Dec. 2002 or later.]
- Gymnobrebutia buiningiana** (F. Ritter) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia buiningiana*.
- Gymnobrebutia hediniana** (Backeberg) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia hediniana*.
- Gymnobrebutia neocumingii** (Backeberg) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia neocumingii*.
- Gymnobrebutia neocumingii** ssp. **multispina** (F. Ritter) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia multispina*.
- Gymnobrebutia neocumingii** ssp. **trollii** (Oeser) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia trollii*.
- Gymnobrebutia pulquinensis** (Cárdenas) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia pulquinensis*.
- Gymnobrebutia pulquinensis** ssp. **corroana** (Cárdenas) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia pulquinensis* var. *corroana*.
- Gymnobrebutia riograndensis** (F. Ritter) Doweld, Sukkulenty 4(1-2): 24, 2002. Basionym: *Weingartia riograndensis*.
- Haageocereus decumbens** ssp. **tenuis** (F. Ritter) D. R. Hunt, Cact. Syst. Init. No. 14: 17, 2002. Basionym: *Haageocereus tenuis*.
- Haageocereus pseudomelanostele** ssp. **chryseus** D. R. Hunt, Cact. Syst. Init. No. 14: 17, 2002. Typus: Ritter 147a (U). [*Nom. nov. pro Haageocereus chryseus* F. Ritter 1981, *nom. inval.*]
- Heliocereus** nsect. **Heliochia** Doweld, Sukkulenty 4(1-2): 42, 2002. Typus: = *Heliocereus* Sect. *Heliocereus* × Sect. *Nopalxochia*..
- Heliocereus** Sect. **Nopalxochia** (Britton & Rose) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Nopalxochia*. [Dated 2001, publ. Dec. 2002 or later.]
- Heliocereus ackermannii* (Lindley) Doweld, Sukkulenty 4(1-2): 42, 2002. *Nom. inval.* (Art. 33.6), based on *Cactus ackermannii*. [Invalidity based on ICBN 2000, Art. 33.6, Ex. 11.]
- Heliocereus** × **capelleanus** (Rother) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Phyllocactus* × *capelleanus*. [Basionym erroneously cited as *Cereus capelleanus*, but to be treated as valid under Art. 33.4 (ICBN 2000).]
- Heliocereus konzattianus** (T. MacDougall) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Nopalxochia konzattiana*.
- Heliocereus** × **jenkinsonii** (McIntosh) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cactus jenkinsonii*.
- Heliocereus macdougallii** (Alexander) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Lob-eira macdougallii*.
- Heliocereus phyllanthoides** (De Candolle) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cactus phyllanthoides*.
- Heliocereus schrankii** ssp. **helenae** (Scheinvar) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Heliocereus elegantissimus* var. *helenae*.
- Heliocereus schrankii** ssp. **stenopetalus** (Bravo ex S. Arias Montes & al.) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Heliocereus elegantissimus* var. *stenopetalus*.
- Heliocereus speciosus** ssp. **amecaensis** (Heese) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Cereus amecaensis*. [Dated 2001, publ. Dec. 2002 or later.]
- Heliocereus** × **violaceus** (F. & T. Smith ex Masters) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Phyllocactus violaceus*.
- × **Heliorhipsalis** Doweld, Sukkulenty 4(1-2): 40, 2002. [Dated 2001, publ. Dec. 2002 or later.] [= *Heliocereus* × *Disisorhipsalis*.]
- × **Helioseleniphyllosum** Doweld, Sukkulenty 4(1-2): 41, 2002. [Dated 2001, publ. Dec. 2002 or later.] [= *Heliocereus* × (*Selenicereus* × *Epiphyllum*).]
- × **Helioseleniphyllosum** cv. **Nelson Mandela** (Stüpplie) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Seleniphylchia* cv. Nelson Mandela. [Basionym erroneously cited as × *Epiphyllchia* cv. Nelson Mandela. Dated 2001, publ. Dec. 2002 or later.]
- × **Heliphyllosum amaranthinum** (Regel) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Phyllocactus crenatus* var. *amaranthinum*. [Dated 2001, publ. Dec. 2002 or later.]
- × **Heliphyllosum splendens** (Regel) Doweld, Sukkulenty 4(1-2): 41, 2002. Basionym: *Phyllocactus crenatus* var. *splendens*.
- Hylorhipsalidinae** Doweld, Sukkulenty 4(1-2): 37, 2002. Typus: *Hylorhipsalis* Doweld. [Dated 2001, publ. Dec. 2002 or later.]
- Hylorhipsalis** Doweld, Sukkulenty 4(1-2): 37, 2002. Typus: *Rhipsalis pentaptera* A. Dietrich. [Dated 2001, publ. Dec. 2002 or later.]
- Hylorhipsalis** Sect. **Polygonorhipsalis** Doweld, Sukkulenty 4(1-2): 37, 2002. Typus: *Rhipsalis floccosa* Salm-Dyck ex Pfeiffer 1837.
- Hylorhipsalis floccosa** (Salm-Dyck ex Pfeiffer) Doweld, Sukkulenty 4(1-2): 37, 2002. Basionym: *Rhipsalis floccosa*.
- Hylorhipsalis floccosa** ssp. **hohenauensis** (F. Ritter) Doweld, Sukkulenty 4(1-2): 37, 2002. Basionym: *Rhipsalis hohenauensis*.
- Hylorhipsalis floccosa** ssp. **pittieri** (Britton & Rose) Doweld, Sukkulenty 4(1-2): 37, 2002. Basionym: *Rhipsalis pittieri*.
- Hylorhipsalis floccosa** ssp. **pulvinigera** (G. Lindberg) Doweld, Sukkulenty 4(1-2): 37, 2002. Basionym: *Rhipsalis pulvinigera*.
- Hylorhipsalis floccosa** ssp. **tucumanensis** (F. A. C. Weber) Doweld, Sukkulenty 4(1-2): 37, 2002. Basionym: *Rhipsalis tucumanensis*.
- Hylorhipsalis monteazulensis** (F. Ritter) Doweld, Sukkulenty 4(1-2): 38, 2002. Basionym: *Rhip-*

- salis monteazulensis*.
- Hylorhipsalis pacheco-leonis** (Löfgren) Doweld, Sukkulenty 4(1-2): 39, 2002. Basionym: *Rhipsalis pacheco-leonis*.
- Hylorhipsalis pacheco-leonis** ssp. **catenulata** (Kimmach) Doweld, Sukkulenty 4(1-2): 39, 2002. Basionym: *Rhipsalis paradoxa* var. *catenulata*.
- Hylorhipsalis paradoxa** (Salm-Dyck ex Pfeiffer) Doweld, Sukkulenty 4(1-2): 39, 2002. Basionym: *Lepismium paradoxum*.
- Hylorhipsalis paradoxa** ssp. **septentrionalis** (N. P. Taylor & Barthlott) Doweld, Sukkulenty 4(1-2): 39, 2002. Basionym: *Rhipsalis paradoxa* ssp. *septentrionalis*.
- Hylorhipsalis pentaptera** (A. Dietrich) Doweld, Sukkulenty 4(1-2): 39, 2002. Basionym: *Rhipsalis pentaptera*.
- Hylorhipsalis rugulosa** (Lemaire) Doweld, Sukkulenty 4(1-2): 38, 2002. Basionym: *Rhipsalis rugulosa*.
- Hylorhipsalis rugulosa** ssp. **epiphyllanthoides** (Backeberg) Doweld, Sukkulenty 4(1-2): 38, 2002. Basionym: *Lepismium epiphyllanthoides*.
- Hylorhipsalis sulcata** (F. A. C. Weber) Doweld, Sukkulenty 4(1-2): 39, 2002. Basionym: *Rhipsalis sulcata*.
- Hylorhipsalis trigonoides** Doweld, Sukkulenty 4(1-2): 38, 2002. Typus: *Hoehne* s.n. (SP, K). [= *Rhipsalis trigona* auctt. non Pfeiffer 1837, quoad descr. Lat. K. Schumann in Martius, Fl. Brasil. 4(2): 283, 1890.]
- Lagenocereus** Doweld, Turczaninowia 5(1): 8, 2002. Typus: *Cereus luetzelburgii* Vaupel.
- Lagenocereus luetzelburgii** (Vaupel) Doweld, Turczaninowia 5(1): 8, 2002. Basionym: *Cereus luetzelburgii*.
- Lymanbensonia crenata** (Britton) Doweld, Sukkulenty 4(1-2): 34, 2002. Basionym: *Hariota crenata*. [The text shows a question mark (?) between the new name and the basionym, but this is interpreted as a printer's error for the equal sign (=). Dated 2001, publ. Dec. 2002 or later.]
- Maihueiniopsis** Subgen. **Puna** (R. Kiesling) Stuppy, Succ. Pl. Res. 6: 50, 2002. Basionym: *Puna*.
- Mammillaria gracilis** cv. **Golden Coral** A. Mikhaltsov, Kaktus Klub 2002(1): 51, ill., 2002. [A horticultural selection, representing a cristate-fasciated growth form.]
- Mammillaria parkinsonii** ssp. **cadereytensis** (R. T. Craig) Rogozinski & Plein, Mitteilungsbl. AfM 26(1): 15, 2002. Basionym: *Mammillaria cadereytensis*. [Repeated in J. Mammillaria Soc. 43(2): 19, 2003.]
- Mammillaria roemerii** Wolfgang Krüger & Rischer, Mitteilungsbl. AfM 26(2): 96-101, ill. (incl. pp. 79, 81, 83), 2002. Typus: *Krüger* 497 (UAT 21344).
- Mammillaria saetigera** ssp. **woodsii** (R. T. Craig) Rogozinski & Plein, Mitteilungsbl. AfM 26(3): 110, 114, 2002. Basionym: *Mammillaria woodsii*. [Basionym reference cryptically given on p. 110.]
- Mammillaria schiedeana** ssp. **giselae** (Martínez-Avalos & Glass) J. Lüthy, Kakt. and. Sukk. 49(8): 184, ill. (pp. 181-184), 1998. Basionym: *Mammillaria giselae*. [Omitted previously.]
- Mammillaria vagaspina** ssp. **immersa** Mészáros & Szutorisz, Debreceni Pozsgás-Tár 5(2): 73-79, ill., 2002. Based on *Mészáros* 139. *Nom. inval.* (Art. 37.1?). [Validity doubtful since the type is stated as having been collected "23. Sept. 1984 et 10. - 11. Nov. 1984".]
- Matucana aurantiaca** ssp. **fruticosa** (F. Ritter) Mottram, Cact. Syst. Init. No. 14: 17, 2002. Basionym: *Matucana formosa*.
- Matucana aurantiaca** ssp. **hastifera** (F. Ritter) Mottram, Cact. Syst. Init. No. 14: 17, 2002. Basionym: *Matucana hastifera*.
- Matucana aurantiaca** ssp. **polzii** (Diers & al.) Mottram, Cact. Syst. Init. No. 14: 17, 2002. Basionym: *Matucana polzii*.
- Mediocactus extensus** (Salm-Dyck ex De Candolle) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cereus extensus*. [Dated 2001, publ. Dec. 2002 or later.]
- Mediocactus inermis** (Otto ex Pfeiffer) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cereus inermis*. [Dated 2001, publ. Dec. 2002 or later.]
- Mediocactus murrillii** (Britton & Rose) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Selenicereus murrillii*.
- Mediocactus spinulosus** (De Candolle) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cereus spinulosus*.
- Mediocactus tricae** (D. R. Hunt) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Selenicereus tricae*.
- Mediocactus vagans** (K. Brandegee) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cereus vagans*.
- Mediocactus wercklei** (F. A. C. Weber) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Cereus wercklei*.
- Melocactinae** (Salm-Dyck) Doweld, Turczaninowia 5(1): 9, 2002. Basionym: *Melocactaeae*.
- Melocactus andinus** ssp. **soatensis** Fernández-Alonso & Xhonneux, Cact. Aventures No. 56: 5-6, ill., 2002. Typus: *Jaramillo et al.* 902 (COL [holotype consisting of 3 sheets]).
- Melocactus concinnus** ssp. **axiniphorus** (Buining & Brederoo) P. J. Braun & Esteves, Schumannia No. 3: 188, 2002. Basionym: *Melocactus axiniphorus*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Melocactus curvispinus** ssp. **koolwojkianus** (Suringar) G. Thomson, Bradleya 20: 38, 2002. Basionym: *Melocactus koolwojkianus*.
- Melocactus curvispinus** ssp. **obtusipetalus** (Lemaire) Xhonneux & Fernández-Alonso, Cact. Aventures No. 56: 8, ill. (p. 7, 9), 2002. Basionym: *Melocactus obtusipetalus*.
- Melocactus guanensis** Xhonneux & Fernández-Alonso, Cact. Aventures No. 56: 10-11, ill., 2002. Typus: *Xhonneux et al.* 2042 (COL)

- [Holotype consisting of 3 sheets.]
- Melocactus hernandezii** Fernández-Alonso & Xhonneux, *Cact. Aventures* No. 56: 11-12, ills., 2002. Typus: *Saravia et al.* 4255 (COL) [Holotype consisting of 3 sheets.]
- Melocactus levitestatus** fa. **securituberculatus** (Buining & Brederoo) P. J. Braun & Esteves, *Schumannia* No. 3: 188, 2002. Basionym: *Melocactus securituberculatus*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Melocactus pescaderensis** Xhonneux & Fernández-Alonso, *Cact. Aventures* No. 56: 13-14, ills., 2002. Typus: *Saravia et al.* 915 (COL).
- Melocactus schatzlii** ssp. **chicamochoensis** Xhonneux & Fernández-Alonso, *Cact. Aventures* No. 56: 14-15, ills., 2002. Typus: *Saravia* 2060 (COL).
- Melocactus zehntneri** ssp. **arcuatispinus** (Brederoo & Eerkens) P. J. Braun & Esteves, *Schumannia* No. 3: 188, 2002. Basionym: *Melocactus arcuatispinus*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Neoporteriinae** Buxbaum ex Doweld, *Sukkulenty* 4(1-2): 47, 2002. Typus: *Neoporteria* Britton & Rose. [Dated 2001, publ. Dec. 2002 or later.] [Name first used invalidly in Krainz, *Die Kakt.* 60, CVI: [1], 1975 (*nom. nud.*).]
- Nopalea hondurensis** (Standley) R. Puente ex Rebman, *J. Arizona-Nevada Acad. Sci.* 34(1): 45, 2002. Basionym: *Opuntia hondurensis*.
- Nothorhipsalis** Doweld, *Sukkulenty* 4(1-2): 29, 2002. Typus: *Rhipsalis houlettiana* Lemaire. [Based on *Rhipsalis* Ser. *Houlettianae* Britton & Rose 1923 = *Rhipsalis* Subgen. *Phyllorhipsalis* Buxbaum 1970 (descr. Lat.) non K. Schumann 1898. Dated 2001, publ. Dec. 2002 or later.]
- Nothorhipsalis boliviana** (Britton) Doweld, *Sukkulenty* 4(1-2): 29, 2002. Basionym: *Hariota boliviana*.
- Nothorhipsalis houlettiana** (Lemaire) Doweld, *Sukkulenty* 4(1-2): 29, 2002. Basionym: *Rhipsalis houlettiana*.
- Nothorhipsalis houlettiana** ssp. **regnellii** (G. A. Lindberg) Doweld, *Sukkulenty* 4(1-2): 29, 2002. Basionym: *Rhipsalis regnellii*.
- Nothorhipsalis lorentziana** (Grisebach) Doweld, *Sukkulenty* 4(1-2): 29, 2002. Basionym: *Rhipsalis lorentziana*.
- Nothorhipsalis paranganiensis** (Cárdenas) Doweld, *Sukkulenty* 4(1-2): 29, 2002. Basionym: *Acanthorhipsalis paranganiensis*.
- Nothorhipsalis warmingiana** (K. Schumann) Doweld, *Sukkulenty* 4(1-2): 29, 2002. Basionym: *Rhipsalis warmingiana*.
- Notocactus** Subser. **Tabulares** Prauser, *Internoto* 22(1): 12, 2001. Typus: *Notocactus tabularis* (Cels ex K. Schumann) A. Berger. First used invalidly (Art. 36.1, 37.1, see RPS 41) by Havlicek, *Kakt. Vilag* 18(4): 76, 1989 ('1988') (as 'Tabularis').
- Notocactus haasieanus** U. Unger, *Internoto* 23(4): 105-107, ills., 2002. Based on *van Vliet* 119. *Nom. inval.* (Art. 36.1). [Published as provisional name. See also *l.c.* 24(1): 5-7, ill., 2003.]
- Notocactus katharinae** van Vliet, *Succulenta* 81(5): 200-204, ills., 2002. Typus: *van Vliet* 140 (IAC 42187).
- Ophiorhipsalis** (K. Schumann) Doweld, *Sukkulenty* 4(1-2): 39, 2002. Basionym: *Rhipsalis* Subgen. *Ophiorhipsalis*. [Dated 2001, publ. Dec. 2002 or later.]
- Ophiorhipsalis lumbricoides** (Lemaire) Doweld, *Sukkulenty* 4(1-2): 39, 2002. Basionym: *Cereus lumbricoides*.
- Ophiorhipsalis lumbricoides** ssp. **aculeata** (F. A. C. Weber) Doweld, *Sukkulenty* 4(1-2): 39, 2002. Basionym: *Rhipsalis aculeata*.
- Opuntia debreczyi** Szutorisz, *Kakt. Vilag* 26(4): 115-117, ills. (p. 109-110), 2002. Typus: *Heacock* s.n. in *DRB* 65535 (BP).
- Opuntia macrorhiza** var. **grandiflora** (Engelmann) Bulot, *Succulentes* 25(no. spécial): 39, 2002. Basionym: *Opuntia rafinesquei* var. *grandiflora*.
- Opuntia macrorhiza** var. **greenii** (Engelmann ex Coulter) Bulot, *Succulentes* 25(no. spécial): 39, 2002. Basionym: *Opuntia mesacantha* var. *greenii*.
- Opuntia polyacantha** var. **utahensis** (Engelmann) Bulot, *Succulentes* 25(no. spécial): 39, 2002. Basionym: *Opuntia sphaerocarpa* var. *utahensis*.
- Opuntia pottsii** var. **montana** (Engelmann & J. M. Bigelow) Bulot, *Succulentes* 25(no. spécial): 40, 2002. Basionym: *Opuntia cymochila* var. *montana*. [Basionym erroneous and here corrected in accordance with ICBN Art. 33.4.]
- Opuntia saxatilis** ssp. **minutispina** (P. J. Braun & Esteves) P. J. Braun & Esteves, *Schumannia* No. 3: 188, 2002. Basionym: *Opuntia saxatilis* var. *minutispina*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Opuntia saxatilis** ssp. **occibahiensis** (P. J. Braun & Esteves) P. J. Braun & Esteves, *Schumannia* No. 3: 188, 2002. Basionym: *Opuntia saxatilis* var. *occibahiensis*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Opuntia saxatilis** ssp. **pomosa** (P. J. Braun & Esteves) P. J. Braun & Esteves, *Schumannia* No. 3: 188, 2002. Basionym: *Opuntia saxatilis* var. *pomosa*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Oreocereus doelzianus** ssp. **calvus** (Rauh & Bockenberg) Mottram, *Cact. Syst. Init.* No. 14: 18, 2002. Basionym: *Morawetzia doelziana* var. *calva*.
- Oreocereus doelzianus** ssp. **sericatus** (Ritter) Mottram, *Cact. Syst. Init.* No. 14: 18, 2002. Basionym: *Morawetzia sericata*.
- Parodia haselbergii** fa. **microdasys** (P. J. Braun) P. J. Braun, *Schumannia* No. 3: 188, 2002. Basionym: *Notocactus graessneri* fa. *microdasys*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Parodia ladae** Halda & Horáček, *Acta Mus. Richnov. Sect. Nat.* 7(2): 73, 2000. Typus: *Halda et Horáček* 9911320 (PR). [Amplified description in *l.c.* 9(1): 23-24, fig. 33, 2003 ('2002'). German translation in *Mitteilungsbl.*

- Inter-Parodia-Kette No. 18: 9-10, 2002.]
- Parodia subterranea** var. **aurea** Slaba, Kaktusy 38(2): 47, ill. (p. 45), 2002. Typus: *Slaba* 62a (PR 4703).
- Peniocereeae** Doweld, Sukkulenty 4(1-2): 28, 2002. Typus: *Peniocereus* Britton & Rose. [Based on subtribus *Nyctocereinae* Buxbaum 1958. Dated 2001, publ. Dec. 2002 or later.]
- Pfeiffera boliviana** (Britton) D. R. Hunt, Cact. Syst. Init. No. 14: 18, 2002. Basionym: *Hariota boliviana*.
- Pilosocereinae** Doweld, Turczaninowia 5(1): 9, 2002. Typus: *Pilosocereus* Byles & G. D. Rowley.
- Pilosocereus goianus** P. J. Braun & Esteves, Brit. Cact. Succ. J. 20(2): 100-103, ill., 2002. Typus: *Esteves* P. 89 (UFG 14.873).
- Pilosocereus laniflorus** (N. P. Taylor & Zappi) P. J. Braun & Esteves, Schumannia No. 3: 188, 2002. Basionym: *Cipocereus laniflorus*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Pilosocereus machrisii** ssp. **crystalinensis** (P. J. Braun & Esteves) P. J. Braun & Esteves, Schumannia No. 3: 188, 2002. Basionym: *Pilosocereus crystalinensis*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Pseudoacanthocereus brasiliensis** fa. **boreominarum** (Rizzini & A. Mattos) P. J. Braun & Esteves, Schumannia No. 3: 188, 2002. Basionym: *Pseudoacanthocereus boreominarum*. [Dated 2001 on the cover, publ. 15. 1. 2002.]
- Pseudorhipsalis ramulosa** ssp. **jamaicensis** (Britton & Rose) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Rhipsalis jamaicensis*. [Dated 2001, publ. Dec. 2002 or later.]
- Pseudozygocactus epiphylloides** ssp. **bradei** (Campos-Porto & A. Castellanos) Doweld, Sukkulenty 4(1-2): 42, 2002. Basionym: *Hariota epiphylloides* var. *bradei*. [Dated 2001, publ. Dec. 2002 or later.]
- Rebutia breviflora** (Backeberg) D. R. Hunt, Cact. Syst. Init. No. 14: 19, 2002. Basionym: *Sulcorebutia breviflora*.
- Rebutia fischeriana** Slaba, Kaktusy 38(3): 66-69, ill., 2002. Typus: *Fischer* 54 (PR 4704).
- Rebutia vasqueziana** (Rausch) D. R. Hunt, Cact. Syst. Init. No. 14: 19, 2002. Basionym: *Sulcorebutia vasqueziana*.
- Rhipsalidopsidinae** Doweld, Sukkulenty 4(1-2): 31, 2002. Typus: *Rhipsalidopsis* Britton & Rose. [Dated 2001, publ. Dec. 2002 or later.]
- Rhipsalis* Ser. *Micranthae* Doweld, Sukkulenty 4(1-2): 31, 2002. *Nom. inval.* (Art. 36.1, 37.1). [Dated 2001, publ. Dec. 2002 or later.]
- Rhipsalis** Subgen. **Cereorhipsalis** Doweld, Sukkulenty 4(1-2): 43, 2002. Typus: *Rhipsalis mesembryanthoides* Haworth.
- Rhipsalis** Subgen. **Micranthae** Doweld, Sukkulenty 4(1-2): 43, 2002. Typus: *Rhipsalis micrantha* (Kunth) De Candolle. Dated 2001, publ. Dec. 2002 or later.
- ×**Schlumbephyllum** Süplie, Schlumbergera, [3], 2000. [Publication not seen. = *Schlumbergera* × *Epiphyllum*.]
- ×**Schlumbergeranthus** Doweld, Sukkulenty 4(1-2): 37, 2002. [= *Schlumbergera* × *Epiphyllum*. Dated 2001, publ. Dec. 2002 or later.]
- ×**Schlumbergeranthus exoticus** (Barthlott & Rauh) Doweld, Sukkulenty 4(1-2): 43, 2002. Basionym: *Schlumbergera* × *exotica*.
- ×**Schlumisocactus** Süplie, Schlumbergera, [3], 2000. [Publication not seen. = *Schlumbergera* × *Disocactus*.]
- ×**Seleliocereus neubertii** Doweld, Sukkulenty 4(1-2): 43, 2002. *Nom. illeg.* (Art. 52.1). [*Nom. nov. pro Cereus beckmannii* Weingart 1934 (non *Cereus boeckmannii* Otto ex Salm-Dyck 1850). Dated 2001, publ. Dec. 2002 or later.]
- Stenocereus humilis** (Britton & Rose) D. R. Hunt, Cact. Syst. Init. No. 14: 11, 2002. Basionym: *Lemaireocereus humilis*.
- Sulcorebutia canigeralii* ssp. *frankiana* (Rausch) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 3, 2002. *Nom. inval.* (Art. 33.3), based on *Sulcorebutia frankiana*.
- Sulcorebutia canigeralii* ssp. *pasopayana* (F. H. Brandt) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 3, 2002. *Nom. inval.* (Art. 33.3), based on *Weingartia pasopayana*.
- Sulcorebutia canigeralii* ssp. *pulchra* (Cárdenas) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 3, 2002. *Nom. inval.* (Art. 33.3), based on *Rebutia pulchra*.
- Sulcorebutia tarabucoensis* ssp. *callecallensis* (F. H. Brandt) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 4, 2002. *Nom. inval.* (Art. 33.3), based on *Weingartia callecallensis*.
- Sulcorebutia tarabucoensis* ssp. *cardenasiana* (R. Vásquez) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 5, 2002. *Nom. inval.* (Art. 33.3), based on *Sulcorebutia cardenasiana*.
- Sulcorebutia tarabucoensis* ssp. *crispata* (Rausch) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 6, 2002. *Nom. inval.* (Art. 33.3), based on *Sulcorebutia crispata*.
- Sulcorebutia tarabucoensis* ssp. *elizabethae* J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 5, 2002. *Nom. inval.* (Art. 34.1b, 36.1). [Published as provisional name.]
- Sulcorebutia tarabucoensis* ssp. *gemmae* (Mosti & Rovida) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 5, 2002. *Nom. inval.* (Art. 33.3), based on *Sulcorebutia gemmae*.
- Sulcorebutia tarabucoensis* ssp. *mandinganensis* J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 4, 2002. *Nom. inval.* (Art. 34.1b, 36.1). [Published as provisional name.]
- Sulcorebutia tarabucoensis* ssp. *naunacaensis* J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 5, 2002. *Nom. inval.* (Art. 34.1b, 36.1). [Published as provisional name.]
- Sulcorebutia tarabucoensis* ssp. *rauschii* (G. Frank) J. de Vries, Inform.-brief Freundeskreis Echinopseen No. 32: 4, 2002. *Nom. inval.* (Art. 33.3, 11.4), based on *Sulcorebutia rauschii*.

- Sulcorebutia veronikae** Halda & al., Acta Mus. Richnov. Sect. Nat. 7(2): 74-75, 2000. Typus: Lips 981105 (PR). [Omitted previously. Amplified description in l.c. 9(1): 32, fig. 42, 2003 ('2002').]
- Tacinga inamoena** (K. Schumann) N. P. Taylor & Stuppy, Succ. Pl. Res. 6: 119, ills. (p. 116-117), 2002. Basionym: *Opuntia inamoena*.
- Tacinga palmadora** (Britton & Rose) N. P. Taylor & Stuppy, Succ. Pl. Res. 6: 112, ill. (p. 116), 2002. Basionym: *Opuntia palmadora*.
- Tacinga ×quipa** (F. A. C. Weber *pro sp.*) N. P. Taylor & Stuppy, Succ. Pl. Res. 6: 120, 2002. Basionym: *Opuntia ×quipa*.
- Tacinga saxatilis** (F. Ritter) N. P. Taylor & Stuppy, Succ. Pl. Res. 6: 115, 2002. Basionym: *Platyopuntia saxatilis*.
- Tacinga saxatilis** ssp. *estevesii* (P. J. Braun) N. P. Taylor & Stuppy, Succ. Pl. Res. 6: 118, 2002. Basionym: *Opuntia estevesii*.
- Tacinga wernerii** (Eggl) N. P. Taylor & Stuppy, Succ. Pl. Res. 6: 111, ills. (p. 116), 2002. Basionym: *Opuntia wernerii*.
- Tephrocactus pulcherrimus** Halda & Horáček, Acta Mus. Richnov. Sect. Nat. 7(2): 75, 2000. Typus: Halda et Horáček 0011528 (PR). [Omitted previously. Amplified description in l.c. 9(1): 32-33, fig. 43, 2003 ('2002').]
- Thelocactus rinconensis** ssp. *icamolensis* Halda & Kupcák, Acta Mus. Richnov. Sect. Nat. 7(2): 75, 2000. Typus: Halda 8504545 (PR). [Omitted previously. Amplified description published in l.c. 9(1): 41-42, fig. 52, 2003 ('2002').]
- Thelocactus vaskoanus** Halda & al., Acta Mus. Richnov. Sect. Nat. 7(2): 75-76, 2000. Typus: Vasko 10223 (PR). [Omitted previously. Amplified description (sub *T. tulensis* ssp. *vaskoanus*) in l.c. 9(1): 45, fig. 56, 2003.]
- Turbincarpus** Sect. **Gymnocactus** (Backeberg) J. Lüthy, Cact. Syst. Init. No. 14: 21, 2002. Basionym: *Gymnocactus*.
- Turbincarpus** Ser. **Pseudomacrochelae** J. Lüthy, Cact. Syst. Init. No. 14: 22, 2002. Typus: *Turbincarpus pseudomacrochele* (Backeberg) Buxbaum & Backeberg.
- Turbincarpus ×kubesai** Halda & Kupcák, Acta Mus. Richnov. Sect. Nat. 7(2): 76, 2000. Typus: PR [Ex cult. P. Kupcák PK 980910.]. [Sphalm. 'kubesai'. = *T. pseudomacrochele* × *T. krainzianus*; = *T. sphacellatus* hort. Amplified description published in l.c. 9(1): 46, fig. 57, 2003 ('2002').]
- Turbincarpus macrochele** ssp. *kupcakii* Halda & Horáček, Acta Mus. Richnov. Sect. Nat. 7(2): 76, 2000. Typus: Halda et Horáček 850488 (PR). [Omitted previously. Sphalm. 'kupcaki'.]
- Turbincarpus pseudomacrochele** ssp. *minimus* (G. Frank) J. Lüthy & A. Hofer, Cact. Syst. Init. No. 14: 20, 2002. Basionym: *Turbincarpus krainzianus* fa. *minimus*. [First published invalidly (Art. 33.4) in Kakt. and. Sukk. 50(11): 280, 1999.]
- Turbincarpus saueri** ssp. *knuthianus* (Bödeker) J. Lüthy, Cacti CITES App. I, 9, 2002. Basionym: *Echinocactus knuthianus*. [Dated 2001, publ. Jan. 2002 fide pers. comm. from the author.]
- Weberocereinae** Doweld, Sukkulenty 4(1-2): 32, 2002. Typus: *Weberocereus* Britton & Rose. [Dated 2001, publ. Dec. 2002 or later.]
- Weberocereus biolleyi** ssp. *panamensis* (Britton & Rose) Doweld, Sukkulenty 4(1-2): 43, 2002. Basionym: *Weberocereus panamensis*. [Dated 2001, publ. Dec. 2002 or later.]
- Weberocereus estrellensis** (F. A. C. Weber *ex Wercklé*) Doweld, Sukkulenty 4(1-2): 43, 2002. Basionym: *Cereus estrellensis*.
- Weingartia neocumingii** var. *augustinii* Amerhauser, Gymnocalycium 15(4): 480-481, ills., 2002. Typus: Swoboda 37 (LPB, WU). [Sphalm. 'augustini'.]
- Weingartia neocumingii** var. *hentscheliana* Amerhauser, Gymnocalycium 15(4): 481-482, ills., 2002. Typus: Swoboda 158 (LPB, WU, ZSS).
- Weingartia neocumingii** var. *lagarpampensis* Amerhauser, Gymnocalycium 15(4): 482-483, ills., 2002. Swoboda 160 (LPB, WU).
- Weingartia neocumingii** var. *longigibba* (F. Ritter) Augustin & Hentschel, Gymnocalycium 15(3): 464, ills., 2002. Basionym: *Weingartia longigibba*. [Combination repeated in Cactus & Co. 7(2): 113, 2003.]
- Werckleocereus glaber** ssp. *mirandae* (Bravo) Doweld, Sukkulenty 4(1-2): 43, 2002. Basionym: *Selenicereus mirandae*. [Dated 2001, publ. Dec. 2002 or later.]

CRASSULACEAE

- Aeonium calderense* Malkmus, Piante Grasse 22(4): 136-137, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1).
- Aeonium escobarii* Malkmus, Piante Grasse 22(4): 136, ill. (p. 134), 2002. *Nom. inval.* (Art. 36.1, 37.1).
- Aichryson bituminosum** Bañares, Willdenowia 32(2): 222-224, ills., 2002. Typus: Bañares 42121 (TFC, B).
- Crassula** cv. **Gandalf** M. Holmes, Cact. Succ. J. (Woollahra) 23(5): 81-82, ill., 2002. [= *Crassula deceptor* (male) × *C. mesembrianthemopsis*.]
- Crassula** cv. **Star Child** M. Holmes, Cact. Succ. J. (Woollahra) 23(5): 80-81, ill., 2002. [= *Crassula deceptor* (male) × *Crassula* 'Starburst'.]
- Crassula colligata** Tölken, South Austral. Naturalist 76(1-2): 6-7, 2002. Typus: Donner 9127 (AD, NBG, NCU, NSW).
- Crassula colligata** ssp. *lamprosperma* Tölken, South Austral. Naturalist 76(1-2): 9, 2002. Typus: Heiligers 79023 (AD, CANB).
- Crassula extrorsa** Tölken, South Austral. Naturalist 76(1-2): 10, 2002. Typus: Tölken 8653 (AD, MEL, PERTH).
- Dudleya attenuata** ssp. *australis* Moran, Haselto-

- nia 8: 60-61, ills., 2002. Typus: *Moran* 17080 (SD, [isotypes to be distributed]). [Vol. for 2001, post-marked Dec. 2002.]
- Echeveria compressicaulis** Eggl & N. P. Taylor, Curtis's Bot. Mag., ser. nov., 19(4): 224-226, ills., t. 450, 2002. Typus: *Taylor* 675 (K).
- Graptopetalum** cv. **Heaven** Coccorese, Sedum Soc. Newslett. No. 60: 32-33, t. 97, 2002. [= *G. filiferum* × *G. pentandrum* var. *superbum*.]
- Graptopetalum marginatum** Kimmach & Moran, Cact. Succ. J. (US) 74(4): 196-198, ills., 2002. Typus: *Ulrich* s.n. (HNT, MEXU, US). [Publication place incorrectly given as Haseltonia in IHSP.]
- Greenovia aurea* var. *subalpina* Malkmus, Piante Grasse 22(3): 124-125, ills., 2002. *Nom. inval.* (Art. 36.1, 37.1).
- Greenovia diplocycla* var. *gigantea* Malkmus, Piante Grasse 22(3): 125-126, ill., 2002. *Nom. inval.* (Art. 36.1, 37.1).
- Hylotelephium pakistanicum** (G. Sarwar) G. Sarwar, Fl. Pakistan no. 209: 44, 2002. Basionym: *Sedum pakistanicum*.
- Hylotelephium populifolium** cv. **Kurt Weckstrom** R. Stephenson, Sedum Soc. Newslett. No. 61: 53, ill. (t. 106), 2002. [A spontaneous garden hybrid, most probably *H. populifolium* × *H. spectabile*.]
- Pheidimus** Sect. **Stolonifer** (Fröderström) Byalt, in Tzvelev, Fl. Europ. Orient. 10: 284, 2001. Basionym: *Sedum* Ser. *Stoloniferum*. [Sphalm. 'Stoloniferus'.]
- Pheidimus crenatus** (Desfontaines) Byalt, in Tzvelev, Fl. Europ. Orient. 10: 284, 2001. Basionym: *Crassula crenata*.
- Pheidimus spurius** cv. **John Creech** R. Stephenson & al., Sedum Soc. Newslett. No. 60: 41-42, t. 98, 2002. [A horticultural selection from cultivated material supposedly having been collected in the Altai Mts., Russia.]
- Pheidimus spurius** cv. **Leningrad White** R. Stephenson & al., Sedum Soc. Newslett. No. 60: 42-43, t. 105, 2002. [A horticultural selection based on material originally received from Leningrad Botanical Garden.]
- Rosularia adenotricha** ssp. **chitralica** G. Sarwar, Fl. Pakistan no. 209: 58, 2002. Typus: *Sarwar et Omer* s.n. (KUH).
- Rosularia viguieri** (Hamet) G. Sarwar, Fl. Pakistan no. 209: 51, 2002. Basionym: *Sedum adenotrichum* var. *viguieri*.
- Sedum** cv. **Lajos** B. Horvath, Sedum Soc. Newslett. No. 62: 81, 2002. [A naturally occurring stable variegated sport of *Sedum* 'Autumn Joy'.]
- Sedum** cv. **Rockery Challenger** Femenia, Sedum Soc. Newslett. No. 63: 11, figs. 128-129, 2002. [Of unknown parentage, probably involving *S. mexicanum* and *S. sarmentosum*.]
- Sedum** Ser. **Elegans** 't Hart & Alpinar, Edinburgh J. Bot. 56(2): 193, 1999. Typus: *Sedum ince* 't Hart & Alpinar. Omitted previously.
- Sedum neovolcanicum** Pérez-Calix & I. García, Acta Bot. Mex. 58: 58-60, ills., 2002. Typus: *García et Hernandez* 5542 (IEB, CIMI, ENCB, MEXU).
- Sedum pallidum** ssp. **bithynicum** (Boissier) Byalt, in Tzvelev, Fl. Europ. Orient. 10: 279, 2001. Basionym: *Sedum bithynicum*.
- Sempervivum carpathicum** ssp. **heterophyllum** (Hazslin) Letz, Phytion (Horn) 42(1): 113, 2002.

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- Apodanthera undulata** var. **australis** McVaugh, in W. R. Anderson (ed.), Fl. Novo-Galic. 3: 493-496, ills., 2001. Typus: *Dieterle* 3550 (MICH).

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- Sansevieria maduraiensis** Binojkumar, J. Econ. Taxon. Bot. 26(2): 458, ill. (p. 460), 2002. Typus: *Binojkumar* s.n. (CAL, MH).
- Sansevieria sinus-simiorum** Chahinian, Sansevieria No. 3: 24-26, ills.; No. 4: 9 [erratum], 2002. Typus: *Burdett* s.n. in *Chahinian* 316 p.p. (MO, NY).
- Sansevieria trifasciata** cv. **Daria** Chahinian, Sansevieria No. 3: 2, ill., 2002. [A selection from nursery-grown *S. trifasciata* 'Laurentii Compacta'.]
- Sansevieria trifasciata** cv. **Fontanella** Chahinian, Sansevieria No. 4: 3, ill., 2002.
- Sansevieria trifasciata** cv. **Gold Flame** Chahinian, Sansevieria No. 3: 2, ill., 2002. [A horticultural selection without origin.]
- Sansevieria trifasciata** cv. **Golden Street** Chahinian, Sansevieria No. 4: 4, ill., 2002. [Obtained in cultivation, and first received under the invalid cultivar name 'Golden Stricta'.]
- Sansevieria trifasciata** cv. **Green Lace** Chahinian, Sansevieria No. 4: 3-4, ill., 2002.
- Sansevieria trifasciata** cv. **Herminia** Chahinian, Sansevieria No. 3: 4, ill., 2002. [A form obtained in cultivation, either from *S. trifasciata* 'Slimmerette'.]
- Sansevieria trifasciata** cv. **Laurentii Striolated** Chahinian, Sansevieria No. 4: 4, ill., 2002.
- Sansevieria trifasciata** cv. **Midnight** Chahinian, Sansevieria No. 3: 3, ill., 2002.
- Sansevieria trifasciata** cv. **Midnight Shine** Chahinian, Sansevieria No. 4: 2, ill., 2002.
- Sansevieria trifasciata** cv. **Morgenstern's Futura Aurea** Chahinian, Sansevieria No. 3: 3, ill., 2002.
- Sansevieria trifasciata** cv. **Okeechobee** Chahinian, Sansevieria No. 4: 2-3, ill., 2002. [Obtained from naturalized plants in Florida.]
- Sansevieria trifasciata** cv. **Twisted Sister** Chahinian, Sansevieria No. 3: 3, ill., 2002. [A form of *S. trifasciata* 'Futura'.]

ERIOSPERMACEAE

(IEB).

Eriospermum Sect. **Cyathiflorum** P. L. Perry *ex* Thiede, *Bothalia* 32(1): 76, 2002. Typus: *Eriospermum cooperi* Baker. Name first used invalidly (Art. 37.1) by P. L. Perry, *Contr. Bol. Herb.* 17: 120, 1994.

Eriospermum Sect. **Ligulatum** P. L. Perry *ex* Thiede, *Bothalia* 32(1): 76, 2002. Typus: *Eriospermum flagelliforme* (Baker) J. C. Manning. Name first used invalidly (Art. 37.1) by P. L. Perry, *Contr. Bol. Herb.* 17: 77, 1994.

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Euphorbia castillonii Lavranos, *Succulentas* 25(3): 3-6, ill., 2002. Typus: *Castillon* 8 (P).

Euphorbia patentispina S. Carter, *Nordic J. Bot.* 21(6): 567-568, ill., 2001. Typus: *Thulin et al.* 10211 (K, UPS).

Euphorbia razafindratsirae Lavranos, *Succulentas* 25(3): 6-8, ill., 2002. Typus: *Razafindratsira* s.n. (P).

PEDALIACEAE

Uncarina decaryi Humbert *ex* Ihlenfeldt, *Kakt. and. Sukk.* 53(5): 124-125, ill., 2002. Typus: *Decary* 9223 (P). [First published invalidly (Art. 37.1) in *Adansonia*, n.s., 2(2): 210-211, 1962.]

PORTULACACEAE

Anacampteros vespertina Thulin, *Kew Bull.* 57(3): 741-745, 2002. Typus: *Thulin et al.* 10603 (UPS, K).

Phemeranthus mexicanus (Hemsley) G. Ocampo, *Acta Bot. Mex.* 59: 77, ill. (p. 78), 2002. Basionym: *Talinum mexicanum*.

Phemeranthus multiflorus (Rose & Standley) G. Ocampo, *Acta Bot. Mex.* 59: 79, 2002. Basionym: *Talinum multiflorum*.

Phemeranthus napiformis (De Candolle) G. Ocampo, *Acta Bot. Mex.* 59: 79, 2002. Basionym: *Talinum napiforme*.

Portulaca dodomaensis M. G. Gilbert, *Kew Bull.* 55: 800, fig. 1: f-h, 2000. Typus: *Polhill et Paulo* 1287 (K, EA, SRGH). [Omitted previously.]

Portulaca greenwayi M. G. Gilbert, *Kew Bull.* 55: 775, fig. 1: a-e, 2000. Typus: *Greenway* 9251 p.p. (K, EA). [Omitted previously.]

Portulaca guanajuatensis G. Ocampo, *Acta Bot. Mex.* 58: 1-3, ill., 2002. Typus: *Ocampo et Medellín* 1152 (IEB etc.).

Portulaca rzedowskiana G. Ocampo, *Sida* 20(2): 487-489, ill., 2002. Typus: *Escobedo* 2035

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