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Internationale Organisation  
für Sukkulenten-Forschung

**IOS**

**Repertorium  
Plantarum  
Succulentarum  
LVII (2006)**

# **Repertorium Plantarum Succulentarum LVII (2006)**

*Index nominum novarum plantarum succulentarum anno MMVI  
editorum nec non bibliographia taxonomica ab U. Eggli, D. C.  
Zappi et R. Nyffeler compositus.*

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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 the 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 few 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 Ed. 2 (BPH2) 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). Für Umkombinationen wird das Basionym angegeben. 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. Im Weiteren ist zu beachten, dass die Nummerierung einiger häufig zitierte 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 weniger 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 Ed. 2 (BPH2).

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### **Compilers' Preface**

Once again, a voluminous issue of RPS is presented to the public. Thanks to the increasing availability of digital publications, the compilation of RPS is becoming a little bit easier in comparison with the old times, which enables us produce this issue again "just in time".

The bibliography section lists again a vast variety of papers on different aspects of succulent plant biology, and it is a joy to see these varied research efforts and our steadily growing understanding of the biology of these plants.

In the last issue of RPS, we announced the availability of the bibliography database, which is maintained at ZSS, on the web. Unfortunately, the URL provided was erroneous. The correct address for the RPS bibliography website is: <http://www.zuerich-herbarien.unizh.ch/spic/> – Currently, this website is a prototype that will be further developed in due time.

Many people have been helping with the compilation and editing of this RPS. A word of thanks goes to Katherine Challis of the IK Team as well as to Nigel Taylor for nomenclatural advice. Danielle Stäheli of the Institute of Systematic Botany of the University of Zürich has helped in locating systematic literature for inclusion. Further thanks go to Victor Gapon, Roy Mottram and Gordon Rowley for supplying corrections for several errors in the past RPS issue.

### **Vorwort der Herausgeber**

Wiederum können wir ein umfangreiches RPS-Heft vorlegen. Dank der stetig wachsenden Erhältlichkeit digitaler Publikationen ist das Zusammenstellen des RPS im Vergleich zur "guten alten Zeit" einiges einfacher geworden, und wir freuen uns, auch dieses Heft wieder fahrplangemäss veröffentlichen zu können.

Der Bibliographie-Teil enthält auch dieses Jahr wieder eine überraschende Vielfalt an Veröffentlichungen zu den unterschiedlichsten Aspekten der Biologie sukkulenter Pflanzen. Diese vielen Forschungsprojekte tragen in erfreulicher Weise zu unserem wachsenden Verständnis der Biologie dieser Pflanzen bei.

Im letzten RPS-Heft informierten wir über die Zugangsmöglichkeiten zur Bibliographie-Datenbank der Sukkulenten-Sammlung Zürich über das Web. Leider hat sich dabei eine falsche Internet-Adresse eingeschlichen. Die korrekte URL der RPS-Bibliographie-Webseite lautet: <http://www.zuerich-herbarien.unizh.ch/spic/> – Bei dieser Webseite handelt es sich um einen Prototyp, der sobald möglich weiter entwickelt werden wird.

Mehrere Personen haben die Zusammenstellung und Redaktion dieses Heftes erleichtert. Ein Dank geht an Katherine Challis vom IK-Team sowie an Nigel Taylor, welche uns nomenklatorisch beratend zur Seite standen. Danielle Stäheli vom Institut für Systematische Botanik der Universität Zürich war bei der Beschaffung systematisch wichtiger Literatur behilflich. Ein Dankeschön geht ferner an Victor Gapon, Roy Mottram und Gordon Rowley, welche uns auf diverse Fehler in der letzten RPS-Ausgabe aufmerksam gemacht haben.

### Corrections to previous volumes

- The name *Espostoa guentheri* (Kupper) Buxbaum was inadvertently validated by Krainz, Die Kakteen, part 18, C Va [], 1961, and the combination reported in RPS 56 is superfluous.
- The name +*Hylogymnocalycium* 'Singulare' (P. V. Heath) G. D. Rowley should have been shown as +*Hylogymnocalycium* 'Singular' G. D. Rowley.
- The name *Lophophora koehresii*, shown as valid and legitimate in RPS 56, is illegitimate versus *Lophophora viridescens* (Halda) Halda 1997, which ultimately is based on the same basionym.
- The name *Sclerocactus whipplei* ssp. *heilii* was shown to be valid and legitimate in RPS 56, but it is in fact illegitimate and the prioritable and homotypic *S. cloverae* ssp. *cloverae* (established through the publication of *S. cloverae* ssp. *brackii* Heil & Porter 1994) should have been taken up.
- The name shown as *Sulcorebutia purpurea* ssp. *lindae* in RPS 56 is erroneous, and the taxon was published as *Sulcorebutia tarabucoensis* ssp. *lindae*.
- The nomenclatural status of 3 cultivar names published 2005 by Mikhaltsov, *Ferocactus townsendianus* 'Variegated Surprise', *Gymnocalycium* 'Mars' and *Gymnocalycium* 'Zebra Violet' is in dispute. The references to the previously published descriptions are not accompanied by a complete page reference, which makes the names invalid under the ICBN (in analogy to Art. 33.4 etc.). The ICNCP is less specific in this respect (see esp. recommendation 24B.1), and the names in question are therefore established ('valid') under the ICNCP.

### Korrekturen zu früheren Bänden

- Der Name *Espostoa guentheri* (Kupper) Buxbaum wurde bereits 1961 durch Krainz, Die Kakteen, part 18, C Va [], gültig veröffentlicht, und die in RPS 56 aufgeführte Kombination ist deshalb überflüssig.
- Der Name +*Hylogymnocalycium* 'Singulare' (P. V. Heath) G. D. Rowley muss korrekt als +*Hylogymnocalycium* 'Singular' G. D. Rowley zitiert werden.
- Der Name *Lophophora koehresii* wurde in RPS 56 als gültig und legitim betrachtet, ist aber gegenüber *Lophophora viridescens* (Halda) Halda 1997 illegitim, da dieser auf letztlich demselben Basionym basiert.
- Der Name *Sclerocactus whipplei* ssp. *heilii* wurde in RPS 56 ebenfalls als gültig und legitim aufgelistet, ist aber in Tat und Wahrheit illegitim, und der prioritäre homotypische Name *S. cloverae* ssp. *cloverae* (durch die Publikation von *S. cloverae* ssp. *brackii* Heil & Porter 1994 etabliert) muss aufgenommen werden.
- Der in RPS 56 als *Sulcorebutia purpurea* ssp. *lindae* aufgelistete Name ist falsch, und das Taxon wurde als *Sulcorebutia tarabucoensis* ssp. *lindae* veröffentlicht.
- Der nomenklatorische Status der 2005 durch Mikhaltsov publizierten Cultivarnamen *Ferocactus townsendianus* 'Variegated Surprise', *Gymnocalycium* 'Mars' und *Gymnocalycium* 'Zebra Violet' ist diskutabel. Bei den Verweisen auf die vorgängig veröffentlichten Beschreibungen fehlen die vollständigen Seitenangaben, was diese Namen unter dem ICBN in Analogie zu Art. 33.4 etc. ungültig macht. Der ICNCP ist weniger strikt (siehe insbesondere die Empfehlung 24B.1), und die fraglichen Namen sind deshalb unter dem ICNCP gültig veröffentlicht ('established').

## NOMINA NOVA

## AGAVACEAE

- Agave filifera** 'Afterglow' G. D. Rowley, Teratopia, 253, 280, ill., 2006. [A variegated form.]
- Agave xguemensis** D. Guillot & Van der Meer, Stud. Bot. (Salamanca) 24: 87-89, 2006. Typus: *Anonymus* s.n. in VAL 169523 (VAL 169523). [= *Agave polyacantha* × *A. warelhiana*. Dated 2005, publ. 2006 fide Kew library.]
- Agave potatorum** 'Bonanza' G. D. Rowley, Teratopia, 254, 280, ill., 2006. [A variegated form.]
- Agave vazquezgarciae** Cházaro, Novon 16: 459-460, ill., 2006. Typus: *Cházaro-Basáñez & Vázquez-García* 8172 (IBUG, GUADA, MEXU, MO, WIS, XAL, ZEA). [Name first used invalidly (Art. 32.1d, ICBN 2006) in *Suculentas* (Barcelona) No. 31: 13, 2005 (cf. RPS 56).]

## AIZOACEAE

- Antimima levynsiae** (L. Bolus) S. A. Hammer, Cact. Succ. J. (US) 78(2): 67, 2006. Basionym: *Mesembryanthemum levynsiae*.
- Dactyloopsis digitata** ssp. **littlewoodii** (L. Bolus) Klak, Kew Bull. 61(3): 397, 2006. Basionym: *Dactyloopsis littlewoodii*.
- Delosperma basuticum** 'White Nugget' Kelaidis, Cact. Succ. J. (US) 78(4): 193, ill., 2006.
- Lithops amicorum** D. T. Cole, Cactus & Co. 10(1): 58-59, ill., 2006. Typus: *Cole* 410 (WIND).
- Lithops aucampiae** ssp. **aucampiae** 'Firebrandt' K. Green, Mesemb Study Group Bull. 21(2): 42, fig. 21.18 (p. 30), 2006. [A red mutation.]
- Lithops bromfieldii** var. **glaudinae** 'Embers' K. Green, Mesemb Study Group Bull. 21(2): 42, fig. 21.19 (p. 30), 2006. [A red mutant.]
- Lithops fulviceps** var. **laevigata** D. T. Cole, Cactus & Co. 10(1): 62-63, ill., 2006. Typus: *Cole* 412 (PRE).
- Lithops gesinae** var. **annae** 'Hanawared' Shimada, Mesemb Study Group Bull. 21(4): 78-79, ill., 2006. [A colour form obtained in cultivation.]
- Lithops hookeri** var. **dabneri** 'Annarosa' Piccione, Cactus & Co. 10(2): 115-116, ill., 2006. [A horticultural mutant.]
- Lithops lesliei** var. **venteri** 'Ventergreen' Shimada, Mesemb Study Group Bull. 21(4): 78-79, ill., 2006. [A colour form obtained in cultivation.]

- Phyllobolus pearsonii** N. E. Brown *ex* S. A. Hammer, Cact. Succ. J. (US) 78(2): 67, 2006. Typus: *Pearson* 6441 (K, B, BOL) [Type material at B and BOL cited from Gerbaulet 1995.]. [Name first used invalidly (Art. 32.1c) by N. E. Brown in Gard. Chron., ser. 3, 78: 412-413, in clavi, 1925; there not to be treated as combination for *Mesembryanthemum pearsonii* N. E. Brown 1912 (cf. Gerbaulet, Taxon 43: 75, 1994).]
- Stoeberia utilis** ssp. **lerouxiae** van Jaarsveld, Aloe 43(1): 20, ill. (pp. 18-19), 2006. Typus: *Pers* s.n. (BOL).

## ALOEACEAE

- Aloe** 'Chaba' Audissou, Alsterworthia Internat. 6(3): 23, ill., 2006. [= (*Aloe bakeri* × *A. haworthioides*) × *Aloe* 'Cha Cha'.]
- Aloe** 'Spence's Superb' S. Spence, Alsterworthia Internat. 6(3): 3, ill., 2006. [= *Aloe bellatula* × *A. haworthioides*.]
- Aloe alexandrei** Ellert, Cact. Succ. J. (US) 78(1): 11, ill., (pp. 10-14), 2006. Typus: *Ellert* 1175 (ARIZ, MO, NY, P).
- Aloe antonii** Castillon, Cact. World 24(3): 130, ill. (pp. 129-132), 2006. Typus: *Castillon* 25 (HBG, P).
- Aloe castilloniae** Castillon, Succulentes 2006(3): 21-24, ill., 2006. Typus: *Castillon* 24 (HBG, P).
- Aloe challisii** van Jaarsveld, Aloe 43(2-3): 36-37, ill., 2006. Typus: *van Jaarsveld & Challis* 19801 (PRE).
- Aloe charlotteae** Castillon, Bradleya 24: 67-69, ill., 2006. Typus: *Castillon* 22 (HBG, P).
- Aloe deltoidea** var. **fallax** Castillon, Succulentes 2006(1): 2021, ill., 2006. Typus: *Castillon* 19 (HBG).
- Aloe eximia** Lavranos & T. A. McCoy, Cact. World 24(4): 199-200, ill., 2006. Typus: *Pronk* s.n. in *Lavranos* 32025 (TAN).
- Aloe humilis** 'Reach-for-the-Sky' J. Verhoeven, Alsterworthia Internat. 6(3): 6, ill., 2006. [A variegated horticultural selection.]
- Aloe johannis** Castillon, Succulentes 2006(1): 18-19, ill., 2006. Typus: *Castillon* 18 (HBG, P).
- Aloe kaokoensis** van Jaarsveld & al., Bothalia 36(1): 75-76, ill., 2006. Typus: *van Jaarsveld & Swanepoel* 19504 (WIND).
- Aloe koeneni** Lavranos & Kerstin Koch, Cact. Succ. J. (US) 78(5): 222-223, ill., 2006. Typus: *Koenen* 1/82 (FT).
- Aloe miskatana** S. Carter, Nordic J. Bot. 24(3): 245-247, ill., 2006. Typus: *Thulin & al.* 9460 (UPS, K).

- Aloe mitsioana** Castillon, *Bradleya* 24: 69-71, ill., 2006. Typus: *Castillon* 23 (HBG, P).
- Aloe orlandoi** Lavranos, *Cact. Succ. J. (US)* 78(2): 65, ill. (pp 62-64), 2006. Typus: *Orlando & Azzouni* 231802 (FT). [Sphalm. 'orlandi' (cf. ICBN Rec. 60C1(a)).]
- Aloe pronkii** Lavranos & al., *Cact. Succ. J. (US)* 78(4): 198-200, ill., 2006. Typus: *Pronk* s.n. in *Lavranos* 32024 (TAN, Z).
- Aloe rendilliorum** L. E. Newton, *Bradleya* 24: 107-108, ill., 2006. Typus: *Newton & Powys* 4511 (K, EA).
- Aloe saronarae** Lavranos & T. A. McCoy, *Kakt. and. Sukk.* 57(4): 94-96, ill., 2006. Typus: *Röösli & Hoffmann* 22/02 (TAN, Z).
- Aloe vanrooyenii** G. F. Smith & N. Crouch, *Bothalia* 36(1): 73-74, ill., (2): 174, 2006. Typus: *Crouch & Smith* 2 (NH).
- × **Alworthia** 'Fantasy' G. D. Rowley, *Teratopia*, 142-143, 280, ill., 2006. [A variegated hybrid (*Aloe bellatula* × *Haworthia* sp.).]
- × **Gasteraloe** 'Kabela' R. Scott, *Alsterworthia Internat.* 6(1): 2, ill., 2006. [= *Gasteria* 'Perfectus' × *Aloe aristata*.]
- × **Gasteraloe** 'Prince Warty' Audissou, *Alsterworthia Internat.* 6(3): 23, ill., 2006. [= *Aloe prinslooii* × *Gasteria* 'Little Warty'.]
- × **Gasteraloe** 'Syrah' Audissou, *Alsterworthia Internat.* 6(3): 22, ill., 2006. [= *Gasteria nitida* var. *nitida* 'Beckeri' × *Aloe sladeniana*.]
- Gasteria** 'Bunny Silver' Ron Evans, *Haworthiad* 20(1): 5, ill., 2006. [A horticultural selection from a batch of *G. poellnitziana* × *G. bicolor*.]
- Gasteria croucheri** ssp. *pendulifolia* (van Jaarsveld) Zonneveld, *Pl. Syst. Evol.* 251: 225, 2005. Basionym: *Gasteria pendulifolia*.
- × **Gasterlirion** Mays & G. D. Rowley, *Alsterworthia Internat.* 6(2): 10, 2006. [= *Gasteria* × *Chortolirion*.]
- Haworthia** 'Cynara' Audissou, *Alsterworthia Internat.* 6(3): 23, ill., 2006. [= *Haworthia arachnoidea* var. *nigricans* × *H. pubescens*.]
- Haworthia** 'Fouras' Audissou, *Alsterworthia Internat.* 6(3): 22, ill., 2006. [= *Haworthia pubescens* × *H. pulchella* var. *pulchella*.]
- Haworthia** 'Garasu' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 21, ill., 2006. [A selected clone of a hybrid *H. comptoniana* × *H. sp.*]
- Haworthia** 'Javva' Cocozza, *Haworthiad* 20(2): 63-69, ill., 2006. [An F1 hybrid *H. mirabilis* × *H. magnifica* var. *splendens*.]
- Haworthia** 'Marilyn' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 21, ill., 2006. [Obtained in cultivation from seed obtained from *Haworthia* 'Garasu', with unrecorded pollen donor.]
- Haworthia** 'Pearl of Dew' Audissou, *Alsterworthia Internat.* 6(3): 22, ill., 2006. [= *Haworthia retusa* fa. *geraldii* × *H. cymbiformis* var. *reddii*.]
- Haworthia** 'Whirlpool' Trager, *Cact. Succ. J. (US)* 78(2): 80, ill., 2006. [= *H. truncata* × *H. retusa*.]
- Haworthia** 'Yayoi-Nishiki' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 22, ill., 2006. [= *Haworthia emelyae* (*picta* form) × *H. sp.* (probably *H. pygmaea*).]
- Haworthia akaonii** M. Hayashi, *Haworthia Study* No. 16: 13, fig. 3, 2006. Typus: *Hayashi* 02-16 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia angiras* M. Hayashi, *Haworthia Study* No. 14: 13, fig. 3 (p. 14), 2005. Based on *Hayashi* 03-250. *Nom. inval.* (Art. 37.7).
- Haworthia ao-onii** M. Hayashi, *Haworthia Study* No. 16: 13, fig. 2, 2006. Typus: *Hayashi* 02-45 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia bathylis** M. Hayashi, *Haworthia Study* No. 15: 16, ill., 2006. Typus: *Hayashi* 06-81 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia bayeri** 'Zaramado Variegated' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 23-24, ill., 2006. [A selection obtained in cultivation.]
- Haworthia borealis** M. Hayashi, *Haworthia Study* No. 15: 14, fig. 5 (p. 13), 2006. Typus: *Hayashi* 97-73 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia candida** M. Hayashi, *Haworthia Study* No. 16: 16, ill., 2006. Typus: *Hayashi* 06-196 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia cangoensis* M. Hayashi, *Haworthia Study* No. 14: 13, fig. 2 (p. 14), 2005. Based on *Hayashi* 05-37. *Nom. inval.* (Art. 37.7).
- Haworthia capillaris** M. Hayashi, *Haworthia Study* No. 16: 16, ill., 2006. Typus: *Hayashi* 03-371 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia ciliata* M. Hayashi, *Haworthia Study* No. 14: 11, fig. 4 (p. 9), 2005. Based on *Hayashi* 03-387. *Nom. inval.* (Art. 37.7).
- Haworthia crystalina** M. Hayashi, *Haworthia Study* No. 15: 16, ill., 2006. Typus: *Hayashi* 05-175 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia cymbiformis** 'Harry Mak' G. D. Rowley, *Teratopia*, 23, 263, 280, ill., 2006. [A variegated form.]
- Haworthia davidii** (Breuer) M. Hayashi & Breuer ex M. Hayashi, *Haworthia Study* No. 14: 11, 2005. Basionym: *Haworthia leightonii* var. *davidii*.
- Haworthia dekenahii** 'Sanekata's Variegated' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 23, ill., 2006. [A selection from a habitat-collected clone of *H. dekenahii*.]
- Haworthia diaphana** M. Hayashi, *Haworthia Study* No. 15: 16, ill., 2006. Typus: *Hayashi* 06-065 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia doldii** (M. B. Bayer) M. Hayashi, *Haworthia Study* No. 14: 11, 2005. Basionym: *Haworthia cooperi* var. *doldii*.
- Haworthia dura* M. Hayashi, *Haworthia Study* No. 14: 11, fig. 2 (p. 9), 2005. Based on *Hayashi* 04-20. *Nom. inval.* (Art. 37.7).
- Haworthia emelyae** 'Royal White' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 22, ill., 2006. [A selected clone of *H. emelyae*.]

- Haworthia erii* M. Hayashi, *Haworthia Study* No. 14: 11, fig. 5 (p. 9), 2005. Based on *Hayashi* 03-219. *Nom. inval.* (Art. 37.7).
- Haworthia ernstii* M. Hayashi, *Haworthia Study* No. 14: 11, fig. 6 (p. 10), 2005. Based on *Hayashi* 04-060. *Nom. inval.* (Art. 37.7).
- Haworthia ianthina* M. Hayashi, *Haworthia Study* No. 14: 12, fig. 12, 2005. Based on *Hayashi* 03-199. *Nom. inval.* (Art. 37.7).
- Haworthia incrassa* M. Hayashi, *Haworthia Study* No. 14: 12, fig. 11, 2005. Based on *Hayashi* 04-102. *Nom. inval.* (Art. 37.7).
- Haworthia joubertii* M. Hayashi, *Haworthia Study* No. 14: 16, ill., 2005. Based on *Hayashi* 03-300. *Nom. inval.* (Art. 37.7).
- Haworthia kogmanensis* M. Hayashi, *Haworthia Study* No. 14: 14, fig. 5 (p. 15), 2005. Based on *Hayashi* 05-217. *Nom. inval.* (Art. 37.7).
- Haworthia lachnosa** M. Hayashi, *Haworthia Study* No. 16: 16, ill., 2006. Typus: *Hayashi* 03-26 (Res. Inst. Evol. Biol. Tokyo).
- Haworthia laxa* M. Hayashi, *Haworthia Study* No. 14: 14, fig. 6 (p. 15), 2005. Based on *Hayashi* 03-005. *Nom. inval.* (Art. 37.7).
- Haworthia lazulis* M. Hayashi, *Haworthia Study* No. 14: 11, fig. 8 (p. 10), 2005. Based on *Hayashi* 02-24. *Nom. inval.* (Art. 37.7).
- Haworthia limbata* M. Hayashi, *Haworthia Study* No. 14: 16, ill., 2005. Based on *Hayashi* 04-108. *Nom. inval.* (Art. 37.7).
- Haworthia luri* M. Hayashi, *Haworthia Study* No. 14: 11-12, fig. 9 (p. 10), 2005. Based on *Hayashi* 03-448. *Nom. inval.* (Art. 37.7).
- Haworthia marmorata** M. Hayashi, *Haworthia Study* No. 15: 14, fig. 2 (p. 13), 2006. Typus: *Hayashi* 03-205 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia montana* M. Hayashi, *Haworthia Study* No. 14: 14, fig. 7 (p. 15), 2005. Based on *Hayashi* 03-004. *Nom. inval.* (Art. 37.7).
- Haworthia nigrata** M. Hayashi, *Haworthia Study* No. 15: 14, fig. 4 (p. 13), 2006. Typus: *Hayashi* 03-006 (Res. Inst. Evol. Biol., Tokyo).
- Haworthia odyssei* M. Hayashi, *Haworthia Study* No. 14: 13-14, fig. 4, 2005. Based on *Hayashi* 05-1. *Nom. inval.* (Art. 37.7).
- Haworthia ohkuwae** M. Hayashi, *Haworthia Study* No. 16: 13, fig. 4, 2006. Typus: *Hayashi* 06-321 (Res. Inst. Evol. Biol. Tokyo). [Sphalm. 'ohkuwai'.]
- Haworthia pellucida* M. Hayashi, *Haworthia Study* No. 14: 12, fig. 10, 2005. Based on *Hayashi* 03-279. *Nom. inval.* (Art. 37.7).
- Haworthia picta** 'Mr. K. Ohkuwa's Silver Green' M. Hayashi & Mays, *Alsterworthia Internat.* 6(2): 23, ill., 2006. [A seed-raised clone of the Moegi group of *Haworthia picta* var. *janvlokii*.]
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- Dischidia cornuta** Livshultz, *Blumea* 50(1): 118-121, ill., 2005. Typus: *Livshultz* 02-50 (BH, A, L, MO, Nation. Univ. Laos).
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**Bulbine lolita** S. A. Hammer, *Cact. Succ. J. (US)* 78(2): 70-71, ills., 2006. Typus: *Lavranos* 31140 (HNT).

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**Austrocylindropuntia chichensis** (Cárdenas) G. D. Rowley, *Tephrocactus Study Group* 12(3): 42, 2006. Basionym: *Tephrocactus chichensis*. [Published under the pseudonym R. Glenwood.]

**Austrocylindropuntia rossiana** (W. Heinrich & Backeberg) G. D. Rowley, *Tephrocactus Study Group* 12(3): 42, 2006. Basionym: *Tephrocactus pentlandii* var. *rossianus*. [Published under the pseudonym R. Glenwood.]

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- 33.4) in l.c. No. 56: 11, 2006.]
- ×**Disoselenicereus maynardii** (Paxton) E. Meier, EPIG No. 57: 17, 2006. Basionym: *Cereus ×maynardii*. [Name first used invalidly (Art. 33.4) by Hofacker, Kakt. and Sukk. 57(2): 51-52, 2006.]
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- Frailea alexandri** Metzling, Bradleya 24: 124-125, ill. (pp. 121, 123-124), 2006. Typus: *Metzing & al.* 38 (HBG).
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- Grusonia** Subgen. *Pereskiopsis* (Britton & Rose) G. D. Rowley, Tephrocactus Study Group 12(3): 42, 2006. *Nom. illeg.* (Art. 52.1). [Published under the pseudonym E. Goodwyn. The basionym *Pereskiopsis* has priority at generic level.]
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- Grusonia cholla** (F. A. C. Weber) G. D. Rowley, Tephrocactus Study Group 12(3): 44, 2006. Basionym: *Opuntia cholla*. [Published under the pseudonym E. Goodwyn.]
- Grusonia ×congesta** (Griffiths *pro sp.*) G. D. Rowley, Tephrocactus Study Group 12(3): 44, 2006. Basionym: *Opuntia ×congesta*. [Published under the pseudonym E. Goodwyn.]
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- Grusonia echinocarpa** (Engelmann & J. M. Bigelow) G. D. Rowley, Tephrocactus Study Group 12(3): 44, 2006. Basionym: *Opuntia echinocarpa*. [Published under the pseudonym E. Goodwyn.]
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- Grusonia hystrix** (Grisebach) G. D. Rowley, Tephrocactus Study Group 12(3): 44, 2006. Basionym: *Opuntia hystrix*. [Published under the pseudonym E. Goodwyn.]
- Grusonia imbricata** (Haworth) G. D. Rowley, Tephrocactus Study Group 12(3): 44, 2006. Basionym: *Cereus imbricatus*. [Published under the pseudonym E. Goodwyn.]
- Grusonia kellermanii** (Rose) G. D. Rowley, Tephrocactus Study Group 12(3): 42, 2006. Basionym: *Pereskia kellermanii*. [Published under the pseudonym E. Goodwyn.]
- Grusonia ×kelvinensis** (V. Grant & K. A. Grant *pro sp.*) G. D. Rowley, Tephrocactus Study Group 12(3): 44, 2006. Basionym: *Opuntia ×kelvinensis*. [Published under the pseudonym E. Goodwyn.]
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- Grusonia prolifera** (Engelmann) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia prolifera*. [Published under the pseudonym E. Goodwyn.]
- Grusonia ramosissima** (Engelmann) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia ramosissima*. [Published under the pseudonym E. Goodwyn.]
- Grusonia robertsii** Rebman, Madroño 53(3): 278-279, 2006. Typus: *Rebman 7795* (SD, ASU, BCMEX, HCIB).
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- Grusonia rotundifolia** (De Candolle) G. D. Rowley, Tephrocactus Study Group 12(3): 43, 2006. Basionym: *Pereskia rotundifolia*. [Published under the pseudonym E. Goodwyn.]
- Grusonia sanfelipensis** (Rebman) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia sanfelipensis*. [Published under the pseudonym E. Goodwyn.]
- Grusonia spinosior** (Engelmann & J. M. Bigelow) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia whipplei* var. *spinosior*. [Published under the pseudonym E. Goodwyn.]
- Grusonia tesajo** (Engelmann) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia tesajo*. [Published under the pseudonym E. Goodwyn.]
- Grusonia ×tetracantha** (Toumey *pro sp.*) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia ×tetracantha*. [Published under the pseudonym E. Goodwyn.]
- Grusonia thurberi** (Engelmann) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia thurberi*. [Published under the pseudonym E. Goodwyn.]
- Grusonia tunicata** (Lehmann) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Cactus tunicatus*. [Published under the pseudonym E. Goodwyn.]
- Grusonia versicolor** (Engelmann *ex* Toumey) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia versicolor*. [Published under the pseudonym E. Goodwyn.]
- Grusonia verticillata** (Vaupel) G. D. Rowley, Tephrocactus Study Group 12(3): 43, 2006. Basionym: *Pereskia verticillata*. [Published under the pseudonym E. Goodwyn.]
- Grusonia ×viridiflora** (Britton & Rose *pro sp.*) G. D. Rowley, Tephrocactus Study Group 12(3): 45, 2006. Basionym: *Opuntia ×viridiflora*. [Published under the pseudonym E. Goodwyn.]
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- Gymnocalycium** Subsect. **Castellanosiana** (Buxbaum) H. Till, *Gymnocalycium* 19(2): 665, 2006. Basionym: *Gymnocalycium* Ser. *Castellanosiana*.
- Gymnocalycium castellanosii** ssp. **bozsingianum** (Schütz) Amerhauser & H. Till, *Gymnocalycium* 19(3): 675, ills., 2006. Basionym: *Gymnocalycium bozsingianum*.
- Gymnocalycium castellanosii** var. **rigidum** H. Till, *Gymnocalycium* 19(2): 670, ills. (pp. 669-670), 2006. Typus: *Fechser* s.n. in *Hort. H. Till* 900 (BA) [Ex cult. Hort. H. Till].
- Gymnocalycium coloradense** F. Berger, *Gymnocalycium* 19(4): 693-695, ills., 2006. Typus: *Berger* 97-72/291 (BA).
- Gymnocalycium spegazzinii** var. **armatum** (F. Ritter) Slaba & Sorma, *Atlas Kakt.* 21: t. 14, 2006. Basionym: *Gymnocalycium armatum*. [First published invalidly (Art. 33.4) in *Kaktusy* 40(3): 69, 2004 (cf. RPS 55).]
- Gymnocalycium strigilium** ssp. **aeneum** Meregalli & Guglielmo, *Cactus & Co.* 10(2): 74-75, ills., 2006. Typus: *Meregalli* s.n. (TO-HG).
- Hatiora** 'American Weiradoo' Süpplie, *Epi-Flora* (Nijmegen) No. 3: 16-17, ill., 2006. [= *Hatiora* 'Yvonne' × 'Red Spider'.]
- Hatiora** 'Independence Day' Süpplie, *Epi-Flora* (Nijmegen) No. 3: 16-17, ill., 2006. [= *Hatiora* 'Eva' × *Hatiora rosea*.]
- Hatiora** 'Queen of Hearts' Süpplie, *Epi-Flora* (Nijmegen) No. 3: 16, ill., 2006. [= *Hatiora* #45 × #12.]
- Hatiora** 'Whestos Memory' Süpplie, *Epi-Flora* (Nijmegen) No. 3: 16-17, ill., 2006. [= *Hatiora* 'Roermonds Beauty' × #45.]
- Hatiora** × **graeseri** 'Michel Combernoux' Süpplie, *Epi-Flora* (Nijmegen) No. 2: 5, ill., 2005. [= *Hatiora rosea* × *H. rosea* 'Simply the Best'.]
- × **Heliaporus** 'Helga D' Düsterhaus, *Epi-Flora* (Nijmegen) No. 2: 11, ills., 2005. *Nom. inval.* (Art. 43.1). [= × *Heliaporus* 'Mallisonii' × *Aporocactus flagelliformis*.]
- × **Lepisocactus** Süpplie, *Epiphyllum* [1], 54, 2005. [= *Lepismium* × *Disocactus*.]
- × **Lepisocactus** 'Incas Golden Dream' Süpplie, *Epiphyllum* [1], 54, ill. (p. 51), 2005. [= *Lepismium paranganiense* × (*Disocactus macranthus* × *D. nelsonii*).]
- Lobivia** 'Amada' Lodé, *Cact.-Avent.* No. 68: 27, ill., 2006. [Of unknown parentage.]
- Lobivia acchaensis** Eb. Scholz, *Echinopseen* 3(1): 3-5, ills., 2006. Typus: *Scholz* 134 (USM, WU).
- Lophophora williamsii** 'Caespitosa' (Y. Ito) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora williamsii* var. *caespitosa*.
- Lophophora williamsii** 'Decipiens' (Croizat) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora williamsii* var. *decipiens*.
- Lophophora williamsii** 'Diffusa' (Croizat) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora echinata* var. *diffusa*.
- Lophophora williamsii** 'Echinata' (Croizat) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora echinata*.
- Lophophora williamsii** 'Fricii' (Habermann) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora fricii*.
- Lophophora williamsii** 'Grymii' (Halda & al.) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora williamsii* ssp. *grymii*.
- Lophophora williamsii** 'Jourdaniana' (Habermann) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora jourdaniana*.
- Lophophora williamsii** 'Koehresii' (Riha) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora diffusa* var. *koehresii*.
- Lophophora williamsii** 'Kubesaе' (Halda & al.) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora diffusa* ssp. *kubesaе*.
- Lophophora williamsii** 'Lewinii' (Hennings) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Anhalonium lewinii*.
- Lophophora williamsii** 'Lutea' (Rouhier) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Echinocactus williamsii* var. *lutea*.
- Lophophora williamsii** 'Pentagona' (Croizat) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora williamsii* var. *pentagona*.
- Lophophora williamsii** 'Pluricostata' (Croizat) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora williamsii* var. *pluricostata*.
- Lophophora williamsii** 'Swobodana' (Halda & al.) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora diffusa* var. *swobodana*.
- Lophophora williamsii** 'Texana' (Fric ex Backeberg) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora lutea* var. *texana*.
- Lophophora williamsii** 'Ziegleri' (Werdermann ex Borg) G. D. Rowley, *Cact. World* 24(4): 205, 2006. Basionym: *Lophophora ziegleri*.
- Mammillaria** 'Freaky' G. D. Rowley, *Teratopia*, 105, 280, ill., 2006. [A monstrose form.]
- Mammillaria** 'Mili' Lodé, *Cact.-Avent.* No. 68: 28, ill., 2006. [Of unknown parentage, probably involving *Mammillaria microcarpa* var. *oliviae*.]

- Mammillaria eriacantha** ssp. **velizii** J. Linares, Cact.-Avent. Int. No. 70: 4-5, ills. (pp. 3-6), 2006. Typus: *Linares & al.* 11199 (USCG, BIGU, EAP).
- Mammillaria lasiacantha** ssp. **viescensis** (Rogozinski & Appenzeller) Rogozinski & Plein, Mitteilungsbl. AfM 30(4): 177, 2006. Basionym: *Mammillaria viescensis*.
- Mammillaria lasiacantha** var. **gasseriana** (Bödeker) Rogozinski & Plein, Mitteilungsbl. AfM 30(4): 177, 2006. Basionym: *Mammillaria gasseriana*.
- Mammillaria lasiacantha** var. **hamatispina** (Backeberg) Rogozinski & Plein, Mitteilungsbl. AfM 30(4): 178, 2006. *Nom. inval.*, based on *Mammillaria magallanii* var. *hamatispina*, *nom. inval.* (Art. 8.4). [Name first used invalidly (Art. 36.1, 37.1) by E. Kuhn *ex* Linzen, Inform.-brief. ZAG Mammillarien 7(2): 25, 1981.]
- Mammillaria manana** W. A. & B. Fitz Maurice, Cact. World 24(1): 8-9, ills. (pp. 7-10), 2006. Typus: *Machuca* s.n. in *IBUG* 9610 (IBUG).
- Mammillaria stella-de-tacubaya** var. **egregia** (Backeberg *ex* Rogozinski & Appenzeller) Rogozinski & Plein, Mitteilungsbl. AfM 30(4): 180, 2006. Basionym: *Mammillaria egregia*.
- Mammillaria theresae** 'Albatross' Gapon, Kakt. Klub 2005(4): 47, ill., 2006. [Based on *Mammillaria theresae* fa. *albiflora* hort.]
- Mammillaria zeilmanniana** fa. *aurea* Ábel, Debreceni Pozsgás-Tár 8(3): 147-148, ills., 2005. *Nom. inval.* (Art. 36.1, 37.1). [A chlorophyll-deficient mutant.]
- Melocactus conoideus** ssp. **braunii** (Esteves) Guiggi, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147(2): 338 ['340'], 2006. Basionym: *Melocactus braunii*. [First published invalidly (Art. 33.4, whole page range of the paper given) in *Succulentas* 2004(4): 19, 2004, and erroneously reported as valid in RPS 55.]
- Melocactus harlowii** ssp. **perezassoi** (Arecas) Guiggi, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147(2): 337, 2006. Basionym: *Melocactus perezassoi*.
- Melocactus intortus** ssp. **broadwayi** (Britton & Rose) Guiggi, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147(2): 338 ['340'], 2006. Basionym: *Cactus broadwayi*.
- Melocactus lemairei** ssp. **praerupticola** (Arecas) Guiggi, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147(2): 337-338 ['340'], 2006. Basionym: *Melocactus praerupticola*.
- Melocactus matanzanus** ssp. **actinacanthus** (Arecas) Guiggi, Atti Soc. Ital. Sci. Nat. Mus. Civico Storia Nat. Milano 147(2): 337, 2006. Basionym: *Melocactus actinacanthus*.
- Micranthocereus hofackerianus** (P. J. Braun & Esteves) M. Machado, Kakt. and. Sukk. 57(9): 272, 2006. Basionym: *Arrojadoa multiflora* ssp. *hofackeriana*.
- Neoraimondia arequipensis** ssp. **gigantea** (Werdermann & Backeberg) R. Eastwood & R. Vila, Quepo No. 20: 29, 2006. *Nom. inval.* (Art. 33.4), based on *Cereus macrostibas* var. *giganteus*. [Ascribed to Ostolaza.]
- Opuntia 'Maverick'** G. D. Rowley, Teratopia, 112, 280, ill., 2006. [A proliferating form.]
- Opuntia altomagdalenensis** Xhonneux, Cact.-Avent. Int. No. 71: 29-31, ills., 2006. Typus: *Xhonneux* 2867 (COL).
- Opuntia elata** var. **cardiosperma** (K. Schumann) R. Kiesling, in Burkart, A. & Bacigalupo, N. M. (eds.), Fl. Ilustr. Entre Ríos (Argentina) IV: 412, 2005. Basionym: *Opuntia cardiosperma*.
- Opuntia ficus-indica** 'Eyeful' G. D. Rowley, Teratopia, 121, 136, 280, ills., 2006. [A proliferating variegated form.]
- Opuntia funalis** (Britton & Rose) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Tacinga funalis*.
- Parodia pilayaensis** Beckert *ex* Diers & Beckert, Kakt. and. Sukk. 57(11): 296-300, ills., 2006. Typus: *Beckert* 74 (LPB). [First published as invalid provisional name ('pilayensis') (Art. 34.1b, 36.1) in Mitteilungsbl. Inter-Parodia-Kette No. 17: 17-18, ills., 2001 (cf. RPS 52)]
- Parodia setifera** var. **balboaensis** Käsinger, Mitteilungsbl. Inter-Parodia-Kette No. 23: 6, ills., 2006. Typus: *Käsinger* 26 (GOET).
- Parodia setifera** var. **jujuyensis** Käsinger, Mitteilungsbl. Inter-Parodia-Kette No. 23: 10, 2006. Typus: *Käsinger* 41 (GOET). [First published invalidly (Art. 37.2, 8.2) l.c. No. 20: 3, ill., 2003 (cf. RPS 54).]
- Parodia subterranea** var. **occulta** (F. Ritter) Romulski, Kakt. Inne 3(2): 77, 2006. Basionym: *Parodia occulta*.
- Parodia subterranea** var. **slabana** (Halda & Horáček) Romulski, Kakt. Inne 3(2): 77, 2006. Basionym: *Parodia slabana*. [Sphalm. 'slabai-ana'.]
- Parodia uhligiana** Backeberg *ex* Diers & Rausch, Kakt. and. Sukk. 57(9): 226-227, ills., 2006. Typus: *Lau* 568 (WU, SI). [First published invalidly (Art. 8.4) by Backeberg, *Descr. Cact. Nov.* 3: 12, 1963, and erroneously included as valid in RPS 14.]
- Peniocereus guatemalensis** (Britton & Rose) D. R. Hunt, Cact. Syst. Init. No. 21: 14, 2006. Basionym: *Nyctocereus guatemalensis*.
- Rebutia heliosa** ssp. **cajasensis** (Donald) Ríha & Seda, Kaktusy 42(4): 126, 2006. Basionym: *Rebutia heliosa* var. *cajasensis*.
- Rebutia heliosa** ssp. **condorensis** (Donald) Ríha & Seda, Kaktusy 42(4): 126, 2006. Basionym: *Rebutia heliosa* var. *condorensis*.
- Rebutia heliosa** ssp. **teresae** Kníže & al., Kaktusy 42(3): 86, ills. (pp. 84-86), 2006. Typus: *Seda* s.n. (PRC 451007).
- Rebutia krainziana** 'Prodigy' G. D. Rowley, Teratopia, 121, 280, ill., 2006. [A monstrose form, in the trade as *R. krainziana* var.]

- brevisetata nuda.*]
- Rebutia marsoneri** 'Haywire' G. D. Rowley, Teratopia, 132, 280, ill., 2006. [A monstrose form.]
- Rebutia spiralisepala** (Schütz) Sida, Atlas Kakt. 21: t. 29, 2006. Basionym: *Mediolobivia spiralisepala*.
- Schlumbergera truncata** 'Fogo Brazilian' Colpaert, Epi-Flora (Nijmegen) No. 3: 2-3, ill., 2006. [Derived from crossings of wild-collected clones.]
- ×**Sclerinoceus** G. D. Rowley, Teratopia, 105, 124, 280, 2006. [= *Sclerocactus* × *Echinoceus*.]
- ×**Sclerinoceus** 'John White' G. D. Rowley, Teratopia, 105, 124, 280, ill., 2006. [= *Echinoceus knippelianus* × *Sclerocactus papyracanthus*.]
- Sulcorebutia arenacea** var. **candiae** (Cárdenas) Gertel & J. de Vries, Cactus & Co. 10(1): 41, 2006. Basionym: *Rebutia candiae*.
- Sulcorebutia arenacea** var. **kamiensis** (Brederoo & Donald) Gertel & J. de Vries, Cactus & Co. 10(1): 41, 2006. Basionym: *Sulcorebutia menesesii* var. *kamiensis*.
- Sulcorebutia arenacea** var. **menesesii** (Cárdenas) Gertel & J. de Vries, Cactus & Co. 10(1): 41, 2006. Basionym: *Rebutia menesesii*.
- Sulcorebutia azurduyensis** Gertel & al., Kakt. and. Sukk. 57(9): 241-242, ill., 2006. Typus: Gertel 270 (ZSS, LPB).
- Sulcorebutia cantargalloensis** Gertel & al., Kakt. and. Sukk. 57(2): 45-47, ill., 2006. Typus: Jucker 964 (ZSS, LPB, ZSS).
- Sulcorebutia purpurea** ssp. **santiaginiensis** (Rausch) Slaba, Kaktusy 42(4): 123, ill., 2006. Basionym: *Sulcorebutia santiaginiensis*.
- Sulcorebutia vargasii** var. **viridissima** Diers & Krahn, Succulenta 85(1): 13, ill., 2006. Typus: Krahn 996 (B, BOLV, LPB).
- Sulcorebutia verticillacantha** ssp. **cuprea** (Rausch) Slaba, Kaktusy 42(3): 69, 2006. Basionym: *Sulcorebutia verticillacantha* var. *cuprea*.
- Tephrocactus** Subgen. **Maihueiopsis** (Spegazzini) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Maihueiopsis*. [Published under the pseudonym R. Gonolow.]
- Tephrocactus archiconoideus** (F. Ritter) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Maihueiopsis archiconoidea*. [Published under the pseudonym R. Gonolow. Sphalm. 'archiconoidea'.]
- Tephrocactus clavarioides** (Otto ex Pfeiffer) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Opuntia clavarioides*. [Published under the pseudonym R. Gonolow.]
- Tephrocactus erectocladus** (Backeberg) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Opuntia erectoclada*. [Published under the pseudonym R. Gonolow.]
- Tephrocactus microdiscus** (F. A. C. Weber) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Opuntia microdisca*. [Published under the pseudonym R. Gonolow.]
- Tephrocactus soehrensii** (Britton & Rose) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Opuntia soehrensii*. [Published under the pseudonym R. Gonolow.]
- Tephrocactus tilcarensis** (Backeberg) G. D. Rowley, Tephrocactus Study Group 12(3): 46, 2006. Basionym: *Opuntia tilcarensis*. [Published under the pseudonym R. Gonolow.]
- +**Uebelechinopsis** G. D. Rowley, Teratopia, 100-101, 280, 2006. [Graft chimeras between *Uebelmannia* (scion) and *Echinopsis* (stock).]
- +**Uebelechinopsis** 'Treetopper' G. D. Rowley, Teratopia, 100-101, 280, 2006. [*Uebelmannia pectinifera* grafted on *Echinopsis* sp.]
- Weingartia fidana** ssp. **amerhauseri** Augustin, Gymnocalycium 19(4): 685, ill., 2006. Typus: *Amerhauser* 987 (LBP, WU). [Sphalm. 'fidaiana'.]

#### COMMELINACEAE

- Cyanotis repens** Faden & D. M. Cameron, Novon 15: 110-111, ill., 2005. Typus: *Brenan* & al. 14672 (K, EA, US).
- Cyanotis repens** ssp. **robusta** Faden & D. M. Cameron, Novon 15: 113, ill. (p. 111), 2005. Typus: *Glover* & al. 463 (K, EA).

#### CRASSULACEAE

- Aeonium** 'Harry Mak' G. D. Rowley, Teratopia, 86, 234, 280, ill., 2006. [A variegated form.]
- Aeonium** 'Joel's Antidote' G. Tavormina, Cact.-Avent. Int. No. 72: 18-19, ill., 2006. [= *A. lindleyi* × *A. volkeri*.]
- Aeonium** ×**banaresii** G. Tavormina & S. Tavormina, Pianta Grasse 26(2): 48, 2006. *Nom. illeg.* (Art. 52.1). [*Nom. nov. illeg. pro Greenovia* ×*aureozoon* Bramwell & G. D. Rowley 1973.]
- Aeonium** ×**extinctum** (P. V. Heath) G. Tavormina & S. Tavormina, Pianta Grasse 26(2): 49, 2006. Basionym: ×*Greenonium extinctum*.
- Aeonium** ×**gordonii** G. Tavormina & S. Tavormina, Pianta Grasse 26(2): 50, 2006. [*Nom. nov. pro* ×*Greenonium rowleyi* Bramwell ex P. V. Heath 1992 (non *Aeonium* ×*rowleyi* Bramwell ex P. V. Heath 1992).]
- Aeonium** ×**lambii** (Voggenreiter) G. Tavormina & S. Tavormina, Pianta Grasse 26(2): 49, 2006. *Nom. illeg.* (Art. 53.1), based on ×*Greenonium lambii*. [*Non Aeonium* ×*lambii* G. D. Rowley 1973.]
- Aeonium** ×**laxiflorum** (Macarrón & Bañares) G. Tavormina & S. Tavormina, Pianta Grasse 26(2): 49, 2006. Basionym: ×*Greenonium la-*

- xiflorum*.
- Aeonium** ×**riosjordanii** (Bañares) G. Tavormina & S. Tavormina, *Piante Grasse* 26(2): 49-50, 2006. Basionym: ×*Greenonium riosjordanii*.
- Aeonium** ×**uhlii** G. Tavormina & S. Tavormina, *Piante Grasse* 26(2): 49, 2006. Typus: [icono]: Uhl, *Amer. J. Bot.* 48(2): 117, 121, 1961. [= *Aeonium aureum* × *A. diplocyclum*.]
- Aeonium** ×**zoae** G. Tavormina & S. Tavormina, *Piante Grasse* 26(2): 49, 2006. Typus: [icono]: Proc. Roy. Irish Acad. 38B: t. 26, 1929. [*Nom. nov. pro* ×*Greenonium bramwellii* G. D. Rowley ex P. V. Heath 1992 (non *Aeonium* ×*bramwellii* G. D. Rowley ex P. V. Heath 1992).]
- Aizopsis middendorffiana* ssp. *arcuata* (Voroshilov & Shlothauer) S. Gontcharova, *Sedoideae Russian Far East Fl.*, 85, 2006. *Nom. inval.* (Art. 34.1b), based on *Sedum middendorffianum* ssp. *arcuatum*. [As "comb. nov.". Sphalm. 'arcuatum'.]
- Aizopsis* ×*pilosa* S. Gontcharova & Koldaeva, in S. Gontcharova, *Sedoideae Russian Far East Fl.*, 86, t. 16 (p. 210), 2006. Based on *Koldaeva & Gontcharova* s.n.. *Nom. inval.* (Art. 34.1b, 36.1). [Published as provisional name.]
- Aizopsis pseudohybrida* (Voroshilov & Shlothauer) S. Gontcharova, *Sedoideae Russian Far East Fl.*, 86, 2006. *Nom. inval.* (Art. 34.1b), based on *Sedum pseudohybridum*. [As "comb. nov. prov.".]
- Crassula rupestris** 'Whiteout' G. D. Rowley, *Teratopia*, 238, 280, ill., 2006. [A variegated form.]
- ×**Crempopetalum** 'Fred Wass' R. Stephenson, *Sedum Soc. Newslett.* No. 78: 95-97, ill., 2006. [Most probably *Graptopetalum paraguayense* × *Crempophila nutans*.]
- Kalanchoe** 'Orangery' Jankalski, *Cact. Succ. J. (US)* 78(2): 80, ill., 2006. [Probably = *K. manginii* × *K. jongsmanii*.]
- Kalanchoe** 'Pink Sparkler' Jankalski, *Cact. Succ. J. (US)* 78(2): 83, 2006. [A variegated sport of the hybrid *K. daigremontiana* × *K. delagoensis*, also known as *Kalanchoe* 'Houghton's Hybrid' in one of Johnson's catalogues, and formally named *Kalanchoe* ×*houghtonii* in 2006.]
- Kalanchoe** Subgen. **Calophygia** Descoings, *J. Bot. Soc. Bot. France* No. 33: 24, 2006. Typus: *Kalanchoe arborescens* Hamet.
- Kalanchoe** ×*houghtonii* D. B. Ward, *Cact. Succ. J. (US)* 78(2): 94, ill. (pp. 92-93), 2006. Typus: Ward 10700 (FLAS, FTG, NY, SD, US, USF). [The putative hybrid *K. delagoensis* × *K. daigremontiana*.]
- Kalanchoe maromokotrensis** Descoings & Rebmann, *Succulentas* 2006(3): 10-16, ill., 2006. Typus: *Rebmann & Richaud* s.n. in *Descoings* 28312 (P) [Ex cult. B. Descoings.].
- Kalanchoe rebmannii** Descoings, *J. Bot. Soc. Bot. France* No. 33: 29-31, ill., 2006. Typus: *Rebmann* s.n. in *Descoings* 28320 (P).
- Monanthes amydrois* (Nyffeler) Byalt & al., *Wall Pepper, Houseleek other Crassulaceae* 114, 2004. *Nom. inval.* (Art. 33.4), based on *Monanthes polyphylla* ssp. *amydrois*. [Omitted previously.]
- Pachyphytum compactum** 'Brainwave' G. D. Rowley, *Teratopia*, 244, 280, ill., 2006. [A crested form.]
- Pachyphytum saltensis** Brachet & al., *Cact. Suc. Mex.* 51(2): 47-50, ill., 2006. Typus: *Reyes & al.* 3644 (MEXU).
- Phedimus selskianus** 'Goldilocks' Jelitto ex R. Stephenson, *Sedum Soc. Newslett.* No. 76: 30-31, ill., 2006.
- Phedimus spurius** 'Cream Split' Lockett, *Sedum Soc. Newslett.* No. 76: 33-34, ill., 2006. [A variegated form obtained in cultivation.]
- Rhodiola* Sect. *Algidae* (Borissova) S. Gontcharova, *Sedoideae Russian Far East Fl.*, 90, 2006. *Nom. inval.* (Art. 34.1b). [As "comb. nov. prov.". Sphalm. 'Algida'.]
- ×**Sedeveria** 'Letizia' Moullec, *Sedum Soc. Newslett.* No. 76: 28-29, ill., 2006. [= *Sedum cuspidatum* × *Echeveria setosa* var. *ciliata*.]
- Sedum** 'China Doll' Fagerlund, *Sedum Soc. Newslett.* No. 79: 9-12, ill., 2006. [Probably *Sedum crempophila* × *S. dendroideum*.]
- Sedum allantoides* 'Goldii' (Matuda) R. Stephenson, *Sedum Soc. Newslett.* No. 79: 20, 2006. *Nom. inval.* (Art. 33.4), based on *Graptopetalum goldii*. [Bracket author erroneously given as 'Alexander'.]

#### DRACAENACEAE

- Sansevieria** 'Doris Pfennig' Chahinian, *Sansevieria* No. 13: 5-6, ill., 2006. [Dated 2005, received 30. 1. 2006. = *Sansevieria pinguicula* × *S. phillipsiae*.]

#### EUPHORBIACEAE

- Euphorbia** Sect. **Articulofruticosae** Bruyns, *Taxon* 55(2): 416, 2006. Typus: *Euphorbia aequoris* N. E. Brown.
- Euphorbia** Sect. **Fondosae** Bruyns, *Taxon* 55(2): 416, 2006. Typus: *Euphorbia goetzei* Pax.
- Euphorbia** Subgen. **Monadenium** (Pax) Bruyns, *Taxon* 55(2): 411, 2006. Basionym: *Monadenium*.
- Euphorbia** Subsect. **Deuterocalli** (Croizat) Bruyns, *Taxon* 55(2): 415, 2006. Basionym: *Euphorbia* Sect. *Deuterocalli*.
- Euphorbia** Subsect. **Goniostema** (Baillon ex Boissier) Bruyns, *Taxon* 55(2): 415, 2006. Basionym: *Euphorbia* Sect. *Goniostema*.
- Euphorbia bianoensis** (Malaisse & Lecron) Bruyns, *Taxon* 55(2): 412, 2006. Basionym: *Monadenium bianoense*.

- Euphorbia bicompecta** Bruyns, Taxon 55(2): 412, 2006. Typus: *Kässner* 956 (BM, K). [Nom. nov. pro *Synadenium compactum* N. E. Brown 1911.]
- Euphorbia bicompecta** var. **rubra** (S. Carter) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Synadenium compactum* var. *rubrum*.
- Euphorbia biselegans** Bruyns, Taxon 55(2): 412, 2006. Typus: *Polhill & Paulo* 1319 (K). [Nom. nov. pro *Monadenium elegans* S. Carter 1987.]
- Euphorbia bisellenbeckii** Bruyns, Taxon 55(2): 412, 2006. Typus: *Ellenbeck* 2102 (K). [Nom. nov. pro *Monadenium ellenbeckii* N. E. Brown 1911.]
- Euphorbia bisglobosa** Bruyns, Taxon 55(2): 412, 2006. Typus: *Richards* 14022 (K, EA). [Nom. nov. pro *Monadenium globosum* P. R. O. Bally & S. Carter 1987.]
- Euphorbia bodenghieniae** (Malaisse & Lecron) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium bodenghieniae*.
- Euphorbia burkartii** Bacigalupo, in Burkart, A. & Bacigalupo, N. M. (eds.), Fl. Ilustr. Entre Ríos (Argentina) 4: 126-127, ills., 2005. Typus: *Troncoso & al.* 2334 (SI).
- Euphorbia catenata** (S. Carter) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium catenatum*.
- Euphorbia chevalieri** (N. E. Brown) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium chevalieri*.
- Euphorbia clarae** (Malaisse & Lecron) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium clarae*.
- Euphorbia crenata** (N. E. Brown) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium crenatum*.
- Euphorbia cupricola** (Malaisse & Lecron) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium cupricola*.
- Euphorbia descampsii** (Pax) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium descampsii*.
- Euphorbia dilunguensis** (Malaisse & Lecron) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium dilunguense*.
- Euphorbia discoidea** (P. R. O. Bally) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium discoideum*.
- Euphorbia echinulata** (Stapf) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium echinulatum*.
- Euphorbia filiformis** (P. R. O. Bally) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium chevalieri* var. *filiforme*.
- Euphorbia friesii** (N. E. Brown) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium friesii*.
- Euphorbia fwambense** (N. E. Brown) Bruyns, Taxon 55(2): 412, 2006. Basionym: *Monadenium fwambense*.
- Euphorbia gladiata** (P. R. O. Bally) Bruyns, Taxon 55(2): 412-413, 2006. Basionym: *Monadenium yattatum* var. *gladiatum*.
- Euphorbia greuteri** N. Kilian & al., Willdenowia 36(1): 442-445, ills., 2006. Typus: B.
- Euphorbia guentheri** (Pax) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium guentheri*.
- Euphorbia hedigeriana** (Malaisse & Lecron) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium hedigerianum*.
- Euphorbia herbacea** (Pax) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium herbaceum*.
- Euphorbia heteropoda** var. **formosa** (P. R. O. Bally) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium schubei* var. *formosum*.
- Euphorbia iancanellii** Bruyns, Taxon 55(2): 413, 2006. Typus: *Leach & Cannell* 14592 (LISC, BM, SRGH). [Nom. nov. pro *Monadenium cannellii* L. C. Leach 1973.]
- Euphorbia invenusta** (N. E. Brown) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium invenustum*.
- Euphorbia invenusta** var. **angusta** (P. R. O. Bally) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium invenustum* var. *angustum*.
- Euphorbia kaessneri* (N. E. Brown) Bruyns, Taxon 55(2): 413, 2006. Nom. illeg. (Art. 53.1), based on *Monadenium kaessneri*. [Non *Euphorbia kaessneri* Pax 1909 (non-succulent). Validly renamed *Euphorbia neokaessneri* Bruyns 2007.]
- Euphorbia kimberleyana** (G. Williamson) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium kimberleyanum*.
- Euphorbia kirkii** (N. E. Brown) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Synadenium kirkii*.
- Euphorbia kundelunguensis** (Malaisse) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium kundelunguense*.
- Euphorbia lamarckii** var. **broussonetii** (Link) Molero & Rovira, Vieraea 32: 118, 2004. Basionym: *Euphorbia broussonetii*.
- Euphorbia letestuana** (Denis) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium letestuanum*.
- Euphorbia lindonii** (S. Carter) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium lindonii*.
- Euphorbia lugardiae** (N. E. Brown) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium lugardiae*.
- Euphorbia mafingensis** (Hargreaves) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium mafingense*.
- Euphorbia magnifica** (E. A. Bruce) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium magnificum*.
- Euphorbia mamfwensis** (Malaisse & Lecron) Bruyns, Taxon 55(2): 413, 2006. Basionym: *Monadenium mamfwense*.



- Euphorbia neoangolensis** Bruyns, Taxon 55(2): 413, 2006. Typus: *Williams* s.n. in *Bally* 11950 (G, K). [*Nom. nov. pro Monadenium angolense* P. R. O. Bally 1961.]
- Euphorbia neorborescens** Bruyns, Taxon 55(2): 413, 2006. Typus: *Harris* s.n. in *Bally* E236 (EA, K). [*Nom. nov. pro Monadenium arborescens* P. R. O. Bally 1959.]
- Euphorbia neocapitata** Bruyns, Taxon 55(2): 413, 2006. Typus: *St. Clair-Thompson* 654 (K). [*Nom. nov. pro Monadenium capitatum* P. R. O. Bally 1959.]
- Euphorbia neococcinea** Bruyns, Taxon 55(2): 413, 2006. Typus: *Fischer* 521 (K). [*Nom. nov. pro Monadenium coccineum* Pax 1894.]
- Euphorbia neocrispa** Bruyns, Taxon 55(2): 413, 2006. Typus: *Sacleux* 2320 (P, K). [*Nom. nov. pro Monadenium crispum* N. E. Brown 1913.]
- Euphorbia neocymosa** Bruyns, Taxon 55(2): 413, 2006. Typus: *Bagshawe* 850 (BM, K). [*Nom. nov. pro Synadenium cymosum* N. E. Brown 1911.]
- Euphorbia neoerubescens** Bruyns, Taxon 55(2): 413, 2006. Typus: *Lort-Phillips* s.n. (BM). [*Nom. nov. pro Lortia erubescens* Rendle 1898. Treated as superfluous name by Bruyns, *Euphorbia World* 3(1): 5, 2007, in view of a prioritable name included in the concept of the taxon.]
- Euphorbia neogilletii** Bruyns, Taxon 55(2): 413, 2006. Typus: *Gillett & al.* 22265 (K, EA, FT, MOG, PRE). [*Nom. nov. pro Monadenium gillettii* S. Carter 1993.]
- Euphorbia neoglabrata** Bruyns, Taxon 55(2): 413, 2006. Typus: *Richards* 11209 (K). [*Nom. nov. pro Synadenium glabratum* S. Carter 1987.]
- Euphorbia neoglaucescens** Bruyns, Taxon 55(2): 413, 2006. Typus: *Busse* 1147 (K). [*Nom. nov. pro Synadenium glaucescens* Pax 1903.]
- Euphorbia neogoetzei** Bruyns, Taxon 55(2): 413, 2006. Typus: *Goetze* 1017 (K). [*Nom. nov. pro Monadenium goetzei* Pax 1902.]
- Euphorbia neogossweileri** Bruyns, Taxon 55(2): 413, 2006. Typus: *Gossweiler* s.n. (BM). [*Nom. nov. pro Monadenium gossweileri* N. E. Brown 1911.]
- Euphorbia neogracilis** Bruyns, Taxon 55(2): 413, 2006. Typus: *Burt* 3529 (K). [*Nom. nov. pro Monadenium gracile* P. R. O. Bally 1959.]
- Euphorbia neohalipedicola** Bruyns, Taxon 55(2): 413-414, 2006. Typus: *Leach* 11262 (LISC, BM, BR, K, MO, NBG, NH, PRE, SRGH). [*Nom. nov. pro Synadenium halipedicola* L. C. Leach 1984.]
- Euphorbia neomontana** Bruyns, Taxon 55(2): 414, 2006. Typus: *Bally* E62 (EA, K). [*Nom. nov. pro Monadenium montanum* P. R. O. Bally 1959.]
- Euphorbia neoparviflora** Bruyns, Taxon 55(2): 414, 2006. Typus: *Whyte* s.n. (K). [*Nom. nov. pro Monadenium parviflorum* N. E. Brown 1911.]
- Euphorbia neopedunculata** Bruyns, Taxon 55(2): 414, 2006. Typus: *Richards* 7053 (K). [*Nom. nov. pro Monadenium pedunculatum* S. Carter 1987.]
- Euphorbia neoreflexa** Bruyns, Taxon 55(2): 414, 2006. Typus: *Vatova* 845 (FT, K). [*Nom. nov. pro Monadenium reflexum* Chioyenda 1951.]
- Euphorbia neorubella** Bruyns, Taxon 55(2): 414, 2006. Typus: *Glover* s.n. in *Bally* E390 (EA, K). [*Nom. nov. pro Monadenium montanum* var. *rubellum* P. R. O. Bally 1959.]
- Euphorbia neorugosa** Bruyns, Taxon 55(2): 414, 2006. Typus: *Bidgood & al.* 1976 (K). [*Nom. nov. pro Monadenium rugosum* S. Carter 1987.]
- Euphorbia neospinescens** Bruyns, Taxon 55(2): 414, 2006. Typus: *Goetze* 1099 (BM, K). [*Nom. nov. pro Synadenium spinescens* Pax 1901.]
- Euphorbia neostapelioides** Bruyns, Taxon 55(2): 414, 2006. Typus: *Jaeger* 359 (K). [*Nom. nov. pro Monadenium stapelioides* Pax 1909. Treated as superfluous name by Bruyns, *Euphorbia World* 381). 5, 2007, in view of the inclusion of a prioritable name in the concept of the taxon.]
- Euphorbia neostapelioides** var. **congesta** (P. R. O. Bally) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium stapelioides* fa. *congestum*. [Treated as superfluous name by Bruyns, *Euphorbia World* 381). 5, 2007, in view of the inclusion of a prioritable name in the concept of the taxon.]
- Euphorbia neostolonifera** Bruyns, Taxon 55(2): 414, 2006. Typus: *Rauh* Ke179 (G, K). [*Nom. nov. pro Monadenium rhizophorum* var. *stoloniferum* P. R. O. Bally 1961.]
- Euphorbia neovirgata** Bruyns, Taxon 55(2): 414, 2006. Typus: *Greenway & Rawlins* 9457 (K). [*Nom. nov. pro Monadenium virgatum* P. R. O. Bally 1961.]
- Euphorbia orobanchoides** (P. R. O. Bally) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium orobanchoides*.
- Euphorbia orobanchoides** var. **calycina** (P. R. O. Bally) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium orobanchoides* var. *calycinum*.
- Euphorbia pseudogranti** Bruyns, Taxon 55(2): 414, 2006. Based on *Grant* 754. *Nom. illeg.* (Art. 53.1). [*Nom. nov. pro Synadenium grantii* Hooker fil. 1867. Non *Euphorbia pseudogranti* Pax 1901 (non-succulent). See correction published in *Euphorbia World* 3(1): 5, 2007.]
- Euphorbia pseudohirsuta** Bruyns, Taxon 55(2): 414, 2006. Typus: *Walter* 1 (K). [*Nom. nov. pro Monadenium hirsutum* P. R. O. Bally 1959.]
- Euphorbia pseudolaevis** Bruyns, Taxon 55(2): 414, 2006. Typus: *Whyte* s.n. (K). [*Nom. nov. pro Monadenium laeve* Stapf 1900.]

- Euphorbia pseudomollis** Bruyns, Taxon 55(2): 414, 2006. Typus: *Scheffler* 137 (BM, K). [*Nom. nov. pro Synadenium molle* Pax 1909.]
- Euphorbia pseudonervosa** Bruyns, Taxon 55(2): 414, 2006. Typus: *Richards* 3656 (K). [*Nom. nov. pro Monadenium nervosum* P. R. O. Bally 1959. Treated as superfluous name by Bruyns, *Euphorbia World* 3(1): 5, 2007, in view of a prioritable name included in the concept of the taxon.]
- Euphorbia pseudonudicaulis** Bruyns, Taxon 55(2): 414, 2006. Typus: *Adamson* s.n. cult. in *Bally* E133 (EA, K). [*Nom. nov. pro Monadenium nudicaule* P. R. O. Bally 1959.]
- Euphorbia pseudopetiolata** Bruyns, Taxon 55(2): 414, 2006. Typus: *Burt* 3710 (K). [*Nom. nov. pro Monadenium petiolatum* P. R. O. Bally 1959.]
- Euphorbia pseudoracemosa** (P. R. O. Bally) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium pseudoracemosum*.
- Euphorbia pseudoracemosa** var. **lorifolia** (P. R. O. Bally) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium pseudoracemosum* var. *lorifolium*.
- Euphorbia pseudosimplex** Bruyns, Taxon 55(2): 414, 2006. Typus: *Anonymus* s.n. (not located). [*Nom. nov. pro Monadenium simplex* Pax 1898.]
- Euphorbia pseudostellata** Bruyns, Taxon 55(2): 414, 2006. Typus: *Bally* 9380 (EA, K). [*Nom. nov. pro Monadenium stellatum* P. R. O. Bally 1959.]
- Euphorbia pseudotrineris** Bruyns, Taxon 55(2): 414, 2006. Typus: *MacArthur* s.n. in *Bally* E109 (EA, K). [*Nom. nov. pro Monadenium trinerve* P. R. O. Bally 1959.]
- Euphorbia pseudovolkensii** Bruyns, Taxon 55(2): 414, 2006. Typus: *Volkens* 1059a (B, BM, K). [*Nom. nov. pro Synadenium volkensis* Pax 1895.]
- Euphorbia pudibunda** (P. R. O. Bally) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium pudibundum*.
- Euphorbia pudibunda** var. **lanata** (S. Carter) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium pudibundum* var. *lanatum*.
- Euphorbia pudibunda** var. **rotundifolia** (Malaise & Lecron) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium pudibundum* var. *rotundifolium*.
- Euphorbia renneyi** (S. Carter) Bruyns, Taxon 55(2): 414, 2006. Basionym: *Monadenium renneyi*.
- Euphorbia rhizophora** (P. R. O. Bally) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium rhizophorum*.
- Euphorbia ritchiei** (P. R. O. Bally) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium ritchiei*.
- Euphorbia ritchiei** ssp. **marsabitensis** (S. Carter) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium ritchiei* ssp. *marsabitense*.
- Euphorbia ritchiei** ssp. **nyambensis** (S. Carter) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium ritchiei* ssp. *nyambense*.
- Euphorbia schaijesii** (Malaise) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium schaijesii*.
- Euphorbia shebeliensis** (M. G. Gilbert) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium shebeliense*.
- Euphorbia spectabilis** (S. Carter) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium spectabile*.
- Euphorbia spinulosa** (S. Carter) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium spinulosum*.
- Euphorbia susannae** 'Maelstrom' G. D. Rowley, *Teratopia*, 204, 280, fig. 444 (p. 216), 2006. [A cristate and variegated form.]
- Euphorbia syncalcina** Bruyns, Taxon 55(2): 415, 2006. Typus: *Haerdi* 580/0 (K). [*Nom. nov. pro Synadenium calycinum* S. Carter 1987.]
- Euphorbia syncameronii** Bruyns, Taxon 55(2): 415, 2006. Typus: *Cameron* s.n. (K). [*Nom. nov. pro Synadenium cameronii* N. E. Brown 1901.]
- Euphorbia torrei** (L. C. Leach) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium torrei*.
- Euphorbia triangolensis** Bruyns, Taxon 55(2): 415, 2006. Typus: *Gossweiler* 997 (K). [*Nom. nov. pro Synadenium angolense* N. E. Brown 1911.]
- Euphorbia woodii** 'Salad Bowl' G. D. Rowley, *Teratopia*, 26, 280, ill., 2006. [A crested form.]
- Euphorbia yattana** (P. R. O. Bally) Bruyns, Taxon 55(2): 415, 2006. Basionym: *Monadenium yattanum*.
- Monadenium** 'Nikodemus' Jankalski, *Cact. Succ. J. (US)* 78(2): 81, ill., 2006. [= *M. rubellum* × *M. stoloniferum*.]

#### GERANIACEAE

- Pelargonium vanderwaltii** van Jaarsveld, *Aloe* 43(2-3): 32-33, ill., 2006. Typus: *van Jaarsveld & al.* 18873 (PRE).

#### HYACINTHACEAE

- Drimia cremnophila** van Jaarsveld, *Aloe* 42(4): 81-82, ill., 2006. Typus: *van Jaarsveld & al.* 97 (PRE). [Dated 2005, received March 2006.]
- Drimia loedolffiae** van Jaarsveld, *Aloe* 43(2-3): 50, ill., 2006. Typus: *van Jaarsveld & Voigt* 17914 (NBG).

**Drimia mzimvubuensis** van Jaarsveld, Aloe 42(4): 82-83, ills., 2006. Typus: *van Jaarsveld & al.* 58 (PRE). [Dated 2005, received March 2006.]

**Ornithogalum kirstenii** J. C. Manning & Goldblatt, Bothalia 36(1): 86-87, ill. (p. 88), 2006. Typus: *Manning* 2942 (NBG, K, MO).

**Ornithogalum volutare** J. C. Manning & Goldblatt, Bothalia 36(1): 88, 2006. [*Nom. nov. pro Ornithogalum circinatum* J. C. Manning & Goldblatt 2004, which is itself a *nom. nov. pro Albuca spiralis* Linné *fil.* 1782 (*non Ornithogalum spirale* Schinz 1896 *nec Ornithogalum circinatum* Linné *fil.* 1781).]

**Claytonia ozarkensis** J. M. Miller & K. L. Chambers, Syst. Bot. Monogr. 78: 75, fig. 31 (p. 76), 2006. Typus: *Steyermark* 4725 (MO).

#### LAMIACEAE

**Plectranthus ramosior** (Bentham) van Jaarsveld, Aloe 43(2-3): 46, ills. (pp. 44-45), 2006. Basionym: *Plectranthus madagascariensis* var. *ramosior*.

**Tetradenia tuberosa** T. J. Edwards, South Afr. J. Bot. 72: 203-204, ill., 2006. Typus: *Edwards & al.* 3245 (NU, K, E, NH, PRE, MO).

**Thorncroftia lotteri** T. J. Edwards & McMurtry, South Afr. J. Bot. 72: 202-203, ill., 2006. Typus: *McMurtry* 11764 (NU, PRE). [Sphalm. 'lotterii'.]

#### PORTULACACEAE

**Anacampseros vanthielii** G. Williamson, Aloe 43(1): 12-13, ills., 2006. Typus: *Williamson* 6028 (BOL).

**Avonia gariensis** G. Williamson, Aloe 43(1): 14-15, ills., 2006. Typus: *Williamson* 6027 (BOL).

**Avonia perplexa** G. Williamson, Aloe 43(1): 15-16, ills., 2006. Typus: *Williamson* 6024 (BOL).

**Calandrinia crispisepala** Obbens, Nuytsia 16(1): 100-101, ills., 2006. Typus: *Obbens* 72/03 (PERTH, CANB, K).

**Calandrinia kalanniensis** Obbens, Nuytsia 16(1): 102-103, ills., 2006. Typus: *Obbens* 3/04 (PERTH, CANB, K).

**Calandrinia translucens** Obbens, Nuytsia 16(1): 104-105, ills., 2006. Typus: *Obbens* 65A/03 (PERTH, CANB, K).

**Claytonia multiscapa** ssp. *czukczorum* (Volkova) J. M. Miller & K. L. Chambers, Syst. Bot. Monogr. 78: 58, 2006. Basionym: *Claytonia czukczorum*.

**Claytonia multiscapa** ssp. *pacifica* (McNeill) J. M. Miller & K. L. Chambers, Syst. Bot. Monogr. 78: 59, 2006. Basionym: *Claytonia lanceolata* var. *pacifica*.

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