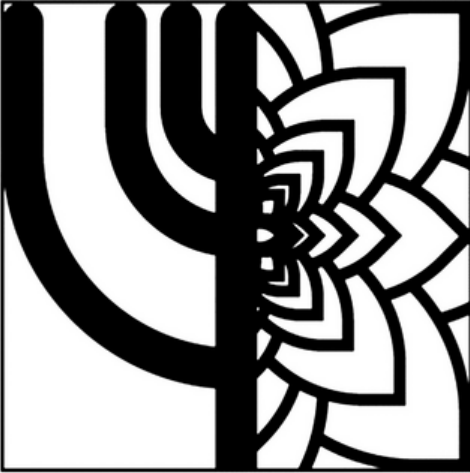


ISSN 0486-4271



International Organization  
for Succulent Plant Study

Organización Internacional  
para el Estudio de  
Plantas Suculentas

Organisation Internationale  
de Recherche sur les  
Plantes Succulentes

Internationale Organisation  
für Sukkulenten-Forschung

**IOS**

**Repertorium  
Plantarum  
Succulentarum  
LXV (2014)**

## **A short history of *Repertorium Plantarum Succulentarum***

The first issue of *Repertorium Plantarum Succulentarum* (RPS) was produced in 1951 by Michael Roan (1909–2003), one of the founder members of the International Organization for Succulent Plant Study (IOS) in 1950. It listed the ‘majority of the new names [of succulent plants] published the previous year’. The first issue, edited by Roan himself with the help of A. J. A. Uitewaal (1899–1963), was published for IOS by the National Cactus & Succulent Society, and the next four (with Gordon Rowley as Associate and later Joint Editor) by Roan’s newly formed British Section of the IOS. For issues 5–12, Gordon Rowley became the sole editor. Issue 6 was published by IOS with assistance by the Acclimatisation Garden Pinya de Rosa, Costa Brava, Spain, owned by Fernando Riviere de Caralt (1904–1992), another founder member of IOS.

In 1957, an arrangement for closer cooperation with the International Association of Plant Taxonomy (IAPT) was reached, and RPS issues 7–22 were published in their *Regnum Vegetabile* series with the financial support of the International Union of Biological Sciences (IUBS), of which IOS remains a member to this day. Issues 23–25 were published by Abbey Garden Press of Pasadena, California, USA, after which IOS finally resumed full responsibility as publisher with issue 26 (for 1975).

Gordon Rowley retired as editor after the publication of issue 32 (for 1981) along with Len E. Newton, who had assisted him with issues 13 onwards. Starting with issue 33, RPS was compiled and edited by Urs Eggli and Nigel Taylor, who enhanced it by adding data on nomenclatural types and enlarging the ‘Bibliographia’ section, first introduced in issue 20 (for 1969). After issue 45 (for 1994), Nigel Taylor handed over as co-editor to his wife Daniela Zappi, who assisted with issues 46–59. Reto Nyffeler joined the editorial team for issue 55 onwards.

Starting in 1986, a nomenclatural and bibliographical database was created at the Zürich Succulent Plant Collection to compile the individual issues. Over the years all earlier issues were added to this database, making it possible to produce the ‘IOS Index of Names of Cactaceae published 1950–1990’. This was published by the Royal Botanic Gardens Kew in 1991, and followed by an equivalent list for the ‘other succulents’ in 1994.

After 60 issues conventionally printed, *Repertorium Plantarum Succulentarum* has been made available in digital form in pdf format (‘portable document format’) from issue 61 onwards, as an ‘open access’ publication, accessible over the internet.

# Repertorium Plantarum Succulentarum LXV (2014)

*Index nominum novarum plantarum succulentarum anno MMXIV  
editorum nec non bibliographia taxonomica ab U. Egli et R.  
Nyffeler compositus.*

International Organization for Succulent Plant Study

August 2016

ISSN 0486-4271

## 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.
- Validly published names are given in **bold face** type (except for epithets of new cultivars), accompanied, in the case of newly described taxa, 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 isotypes are said to be deposited (first acronym for holotype), according to the Index Herbariorum database. 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 listed. For invalid, illegitimate or incorrect names, the articles of the ICBN/ICN or ICNCP which have been contravened are indicated in brackets. For names before 2012, the articles cited are those of the ICBN (Vienna Code, 2006), while the ICN (Melbourne Code, 2012) is used for newer names.
- 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 names of one or few new taxa are usually not repeated in the bibliographic section.
- Starting with RPS 61, abbreviations for periodicals are those suggested in Bibliographia Periodicorum Huntianum Ed. 2 (BPH2), or are constructed according to BPH2 guidelines for other periodicals. For some titles where BPH2 has incomplete data, the abbreviations suggested in the ‘Bibliography of Succulent Plant Periodicals’ (U. Eggli in Friciana 60: 1-139, 1998 (‘1995’)) are used.

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### Available from (incl. back issues):

IOS, c/o The Manse, Chapel Lane, Milborne Port, DT9 5DL, U.K.

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ISSN 0486-4271

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## Compilers' Preface

Apologies are due for the late publication of this issue of RPS. There are several reasons for this delay, including an extraordinarily heavy workload associated with day-to-day operations at the Sukkulanten-Sammlung Zürich. Another reason is the proliferation of botanical literature seen in the past couple of years, and especially e-publications flourish exceedingly well. Finding relevant literature in this fast-evolving digital world is becoming a challenge, despite indexing services such as the Web of Science.

Concurrent with the increasing flood of publications, the task to evaluate the individual contributions is also becoming more of a burden. Complaints that quantity and quality do not always go hand in hand are not a new realm, but it appears that the problem is gaining importance especially in view of numerous e-publications with limited or no peer-reviews in place.

In total, over 900 publications that appeared in 2014 have been evaluated for this RPS – either for inclusion in the bibliography section, or to check for possible new names. As it becomes evident from the often lengthy notes accompanying some of the entries, the evaluation of nomenclatural status is also becoming a challenge with increasing frequency.

RPS 65 has, like the previous issues, benefited from the dedicated help of many correspondents. Sincere thanks are again due to the IPNI team at Kew, as well as to Roy Mottram for raising and helping to answer interesting nomenclatural questions. Reiner Mailänder, Zürich, has again generously supported our work by scanning numerous "general" biological journals. The bibliographical details have been assembled by Maria Sánchez-Contreras, Dübendorf, as part of her volunteer work at the Sukkulanten-Sammlung Zürich, and by Thomas Wild during his 2015 internship at the collection, and we are grateful for their diligent work.

**Corrections to previous volumes**

- *Haageocereus bieblii* and *H. bieblii* ssp. *kuehasii* are shown with a publication date of 2012, instead of the correct date 2013.
- *Weingartia breviflora* ssp. *haseltonii* and *W. breviflora* ssp. *lauri* were incorrectly shown as invalid in RPS 64, under the assumption that *W. breviflora* was an illegitimate name. *W. breviflora* is, however, legitimate, and so the two combinations at subspecies rank are valid.

## NOMINA NOVA

## AGAVACEAE

**Agave azurea** R. H. Webb & G. D. Starr, *Haseltonia* 19: 90-92, ills., 2014. Typus: *Webb & Starr* 20130418-1 (HCIB).

**Agave doctorensis** L. Hernández & Magallán, *Brittonia* 67(1): 1-3, ills., 2014. Typus: *Hernández* 6094 (QMEX, ENCB, IEB, MEXU, TEX, XAL).

**Agave ellemeetiana** ssp. *subdentata* (Trelease) Thiede, *Bradleya* 32: 157, 2014. Basionym: *Agave ellemeetiana* var. *subdentata*.

**Agave lechuguilla** var. *caerulescens* (Salm-Dyck) P. van der Meer & al., *Xerophilia* 10: 37-38, 2014. *Nom. inval.* (ICN Art. 41.5), based on *Agave caerulescens*. [Sphalm. 'coerulescens'.]

**Agave ×madrensis** Villarreal & al., *J. Bot. Res. Inst. Texas* 8(2): 443-445, ills., 2014. Typus: *Ramírez* 106 (MEXU, ANSM, CFNL, ENCB, TEX).

**Agave univittata** var. *ensifera* (Jacobi) P. van der Meer & C. Puche, *Bouteloua* 19: 59, 2014. Basionym: *Agave ensifera*.

**Polianthes alboaustralis** E. Solano & Ríos-Gómez, *Phytotaxa* 174(2): 98-99, ills. (pp. 99, 101), 2014. Typus: *Solano & Ríos* 2516 (MEXU, CHAPA, IEB, IAMIZ, FEZA, OAX).

## AIZOACEAE

×**Aloinanthus** S. A. Hammer, *Cact. Succ. J. (Los Angeles)* 86(5): 234, 2014. *Nom. inval.* (Art. ICNCP 24.3). [= *Aloinopsis* × *Nananthus*.]

**Cheiridopsis alba-oculata** Klak & N. A. Helme, *S. African J. Bot.* 96: 2, ills. (p. 4), 2014. Typus: *Klak* 2308 (BOL, K). [Volume for 2015, e-published Nov. 2014 fide IPNI (accessed Dec. 2015).]

**Drosanthemum** subgen. *Decidua* H. E. K. Hartmann, *Bradleya* 32: 54, 56, 2014. Typus: *Trichodiadema inornatum* L. *Bolus*.

**Drosanthemum** subgen. *Quadrata* H. E. K. Hartmann, *Bradleya* 32: 52, 2014. Typus: *Mesembryanthemum asperulum* Salm-Dyck.

**Drosanthemum tetramerum** H. E. K. Hartmann, *Bradleya* 32: 53, ills. (p. 55), 2014. Typus: *Hartmann & Bayer* 34488 (HBG).

## ANACAMPSEROTACEAE

**Anacampseros grisea** (G. Williamson) Dreher, *Bradleya* 32: 105, ill., 2014. Basionym: *Avonia albissima* var. *grisea*.

**Anacampseros quinarioides** Dreher & al., *Bradleya* 32: 106-109, ills., 2014. Typus: *van Jaarsveld* 25461 (NBG).

**Avonia confusa** G. Williamson, *Cact. Succ. J. (Los Angeles)* 86(1): 20-21, ills., 2014. Typus: *van Thiel* s.n. in *Williamson* 6049 (BOL). [*Nom. nov. pro Avonia lavbleckiana* ssp. *major* ('*magniora*') G. Williamson 2009.].

**Avonia grisea** (G. Williamson) G. Williamson, *Cact. Succ. J. (Los Angeles)* 86(1): 22, ills. (pp. 22-23), 2014. Basionym: *Avonia albissima* var. *grisea*.

## ANTHERICACEAE

**Chlorophytum cremnophilum** van Jaarsveld, *Bradleya* 32: 23-24, ills. (pp. 20-23), 2014. Typus: *van Jaarsveld* 25079 (NBG).

## APOCYNACEAE

**Brachystelma mahajanii** Kambale & S. R. Yadav, *Kew Bull.* 69(1): 9493: 2-3, ills. (pp. 5-6), 2014. Typus: *Kambale & Yadav* 49 (CAL, K, MH, SUK).

**Brachystelma vartakii** Kambale & S. R. Yadav, *Kew Bull.* 69(1): 9493: 4-5, 7-9, ills., 2014. Typus: *Kambale & Yadav* 50 (CAL, K, MH, SUK).

**Ceropegia acicularis** Kidyoo, *Phytotaxa* 162(2): 91-93, ills. (incl. p. 96), 2014. Typus: *Kidyoo* 1507 (BCU, BKF).

- Ceropegia attenuata** var. **mookambikae** Diwakar & R. Kr. Singh, Indian J. Forest. 34(2): 209, ills. (pp. 209-212), 2011. Typus: *Diwakar & Singh* 191852 (CAL, BSI). [Omitted previously.]
- Ceropegia suddeei** Kidyoo, Nordic J. Bot. 32(5): 569-571, ills. (pp. 570, 572), 2014. Typus: *Kidyoo* 1527 (BCU, BKF).
- Ceropegia tenuicaulis** Kidyoo, Phytotaxa 162(2): 93-94, ills. (incl. p. 96), 2014. Typus: *Kidyoo* 1508 (BCU, BKF).
- Dischidia bulacanensis** Kloppenburg & al., Hoya New 2(1): 20-25, ills., 2014. Typus: *Mendoza* 31 (PUH 14618).
- Dischidia tonsuensis** T. Green & Kloppenburg, Hoya New 2(4): 18-23, ills., 2014. Typus: *Green* 94007 (BISH 759649).
- Eriostemma davaoense** Kloppenburg, Hoya New 2(3): 26-29, ills., 2014. Typus: *Ramos & Edano* 49264 (UC, BS). [Sphalm. 'davaoensis'.]
- Eriostemma lauterbachii** (K. Schumann) Kloppenburg & Gilding ex Kloppenburg, Hoya New 3(1): 3, 2014. Basionym: *Hoya lauterbachii*. [First published invalidly in *Fraterna* 14(2): 4, 2001 (ICBN Art. 33.3) (RPS 52), since the bibliographical citation was incorrect, and the basionym name was not actually given (cf. M. Randal, *Stemma* 3(2): 32, 2009).]
- Eriostemma seidenschwarzii** Kloppenburg, Hoya New 2(3): 11-20, ills., 2014. Typus: *Seidenschwarz* s.n. (CEB 20013).
- Eriostemma smarense** Kloppenburg, Hoya New 2(4): 4-8, ills., 2014. Typus: *Gaerlan & al.* s.n. (PNH 5914).
- Eriostemma suluense** Kloppenburg, Hoya New 2(3): 30-33, ills., 2014. Typus: *Ramos & Edano* 44098 (UC 44098, BO). [Sphalm. 'suluensis'.]
- Eriostemma zollingerianum** (Miquel) Kloppenburg & Gilding ex Kloppenburg, Hoya New 3(1): 6, 2014. Basionym: *Hoya zollingeriana*. [First published invalidly in *Fraterna* 24(2): 4, 2011 (ICBN Art. 33.4) (RPS 62).]
- Hoya amoena** ssp. **bogorensis** T. Green & Kloppenburg, Hoya New 2(4): 14-17, ills., 2014. Typus: *Green* s.n. (BISH 759664).
- Hoya amorosoae** T. Green & Kloppenburg, Hoya New 3(2): 3-8, ills., 2014. Typus: *Amoroso* s.n. (BISH 761229).
- Hoya bacunganensis** Kloppenburg, Hoya New 3(2): 20-23, ills., 2014. Typus: *Edano* 349 (PNH).
- Hoya barbonii** Kloppenburg, Hoya New 3(2): 24-26, ills., 2014. Typus: *Barbon & al.* 2175 (PNH).
- Hoya benchaii** A. L. Lamb & al., Sandakaniana 19: 18-24, ills., 2014. Typus: *Chai* s.n. in *Lamb* 2132/2011 (SAN, SNP).
- Hoya blashernaезii** ssp. **siariae** (Kloppenburg) Kloppenburg, Hoya New 2(1): 50, 2014. Basionym: *Hoya siariae*. [Also published as "subsp. nova" l.c. 2(2): 10, 2014, and based on the type of the basionym *H. siariae* Kloppenburg 2013.]
- Hoya blashernaезii** ssp. **valmayoriana** (Kloppenburg & al.) Kloppenburg & al., Hoya New 2(2): 10, 2014. Basionym: *Hoya valmayoriana*. [Also described as new subspecies in l.c. 2(3): 4-10, 2014, based on the type of the basionym of the combination.]
- Hoya concava** Kloppenburg & al., Hoya New 3(2): 9-13, ills., 2014. Typus: *Siar* 1-021 (CAHUP 5991).
- Hoya espadolinae** Kloppenburg & al., Hoya New 2(1): 3-11, ills., 2014. Typus: *Siar & Cajano* 6421 (CAHUP 71861).
- Hoya foxii** Kloppenburg, Hoya New 2(1): 46-49, ills., 2014. Typus: *Fox* 43 (PNH 5023).
- Hoya hanhiaе** V. T. Pham & Averyanov, Nordic J. Bot. 33(1): 64-66, ills., 2014. Typus: *Le PVT* 589 (HNU, HN, LE).
- Hoya heuschkeliana** ssp. **marionii** Kloppenburg & Ferreras, Hoya New 2(1): 25-33, ills., 2013. Typus: *Mendoza* s.n. in *G. Mendoza* 60 (PUH 14647). [Epithet presumably correctable to 'marioniae' since named for Marion Mendoza.]
- Hoya imbricata** ssp. **megapolinia** Kloppenburg, Hoya New 3(2): 14-18, ills., 2014. Typus: CAHUP 41559. [The type statement consists only of the herbarium acronym and the herbarium accession number, and no collection details are given.]
- Hoya irisiae** Ferreras & al., Hoya New 2(2): 3-9, ills., 2014. Typus: *Ferreras* 1029 (PNH 254883, CAHUP, PUH).
- Hoya laguaensis** Kloppenburg, Hoya New 2(4): 9-13, ills., 2014. Typus: *Anonymus* s.n. (CAHUP 5965).
- Hoya mindorensis** ssp. **erythrostemma** (Kerr) Kloppenburg, Hoya New 2(2): 10, 2014. Basionym: *Hoya erythrostemma*. [Also de-



- scribed as new subspecies attributed to Kerr in l.c. 2(3): 10-11, 2014, based on the type of the basionym of the combination.]
- Hoya mindorensis** ssp. **mendozae** Kloppenburg & Ferreras, *Hoya* New 2(1): 34-40, ill., 2013. Typus: *Mendoza* 45 (PUH 14650).
- Hoya moninae** Kloppenburg & Cajano, *Hoya* New 2(1): 41-45, ill., 2014. Typus: *Hernandez* s.n. (CAHUP 5295).
- Hoya ormocensis** Kloppenburg, *Hoya* New 3(2): 31-34, ill., 2014. Typus: *Edano* 2018 (PNH 11895).
- Hoya pubicenta** Kloppenburg & al., *Hoya* New 2(1): 12-19, ill., 2014. Typus: *Mendoza* 57 (PUH 14619).
- Hoya ralphdavisiana** Kloppenburg & al., *Hoya* New 2(2): 31-35, ill., 2014. Typus: *Mendoza* & al. 187 (PUH 14681).
- Hoya ranauensis** T. Green & Kloppenburg, *Hoya* New 2(3): 21-25, ill., 2014. Typus: *Green* 4024 (BISH 757786).
- Hoya retrorsa** Gavrus & al., *Sandakania* 19: 59-66, ill., 2014. Typus: *Gokusing* s.n. in *Lamb* 1950/2010 (SAN, SNP).
- Hoya rima** Kloppenburg & al., *Hoya* New 2(2): 23-30, ill., 2014. Typus: *Mendoza* 72 (PUH 14680).
- Hoya rintzii** Rodda & al., *Webbia* 69(1): 44, ill. (pp. 40-42), 2014. Typus: *Rintz* 61 (KEP, K).
- Hoya samarensis** ssp. **gutierrezii** Kloppenburg, *Hoya* New 3(2): 27-30, ill., 2014. Typus: *Gutierrez* & al. 645 (PNH 117633).
- Hoya sigillatis** ssp. **paitanensis** Gavrus & al., *Sandakania* 19: 77-84, ill., 2014. Typus: *Gokusing* & al. s.n. in *Lamb* 1757/2009 (SAN, SNP).
- Hoya tangerina** Kloppenburg & al., *Hoya* New 2(2): 15-22, ill., 2014. Typus: *Mendoza* 36 (PUH 14683).
- Huernia baradii** Plowes, *Haseltonia* 19: 79-80, ill., 2014. Typus: *Lavranos* s.n. in *Plowes* 5066 (SRGH).
- Huernia delicata** Plowes, *Haseltonia* 19: 74-76, ill., 2014. Typus: *Bosma* 77 in *Plowes* 8934 (SRGH).
- Huernia pulchra** Orlando & El Azzouni, *CactusWorld* 32(2): 91, ill. (pp. 90-93), 2014. Typus: *Orlando* & *El Azzouni* 231202 (FT).
- Huernia sudanensis** Plowes, *Haseltonia* 19: 72-73, ill., 2014. Typus: *Plowes* 7553 (SRGH, Khartoum Univ. Herb.).
- Huernia yemenensis** Plowes, *Haseltonia* 19: 76-77, ill., 2014. Typus: *Lavranos* 11269 (SRGH, ZSS) [Isotype material at ZSS not mentioned in the protologue.].
- Orbeopsis chibensis** (C. A. Lückhoff) Plowes, *Asklepios* 118: 5, ill. (p. 6), 2014. Basionym: *Caralluma chibensis*.
- Orbeopsis elongata** (R. A. Dyer) Plowes, *Asklepios* 118: 6, ill. (p. 7), 2014. Basionym: *Caralluma gerstneri* ssp. *elongata*.
- Orbeopsis flava** (Bruyns) Plowes, *Asklepios* 118: 7, ill., 2014. Basionym: *Orbea huillensis* ssp. *flava*.
- Orbeopsis karibensis** Plowes, *Asklepios* 118: 17-18, ill., 2014. Typus: *Army Patrol* s.n. in *Plowes* 4088 (SRGH).
- Orbeopsis lateritia** (N. E. Brown) Plowes, *Asklepios* 118: 8, ill., 2014. Basionym: *Caralluma lateritia*.
- Orbeopsis matabelensis** Plowes, *Asklepios* 118: 9-10, ill., 2014. Typus: *Plowes* 1877 (SRGH).
- Orbeopsis occidentalis** (Bruyns) Plowes, *Asklepios* 118: 10, 2014. Basionym: *Orbea valida* ssp. *occidentalis*.
- Orbeopsis pseudonebrownii** (Dinter) Plowes, *Asklepios* 118: 13, ill. (pp. 13-14), 2014. Basionym: *Caralluma pseudonebrownii*.
- Orbeopsis pseudonebrownii** var. **discolor** (Nel) Plowes, *Asklepios* 118: 14, ill., 2014. Basionym: *Caralluma nebrownii* var. *discolor*.
- Orbeopsis rubra** Plowes, *Asklepios* 118: 16, ill. (p. 15), 2014. Typus: *Leach* 12261 (SRGH).
- Orbeopsis sousae** (Gomes e Sousa) Plowes, *Asklepios* 118: 17, ill. (p. 16), 2014. Basionym: *Caralluma melanantha* var. *sousae*.
- Orbeopsis vaga** (N. E. Brown) Plowes, *Asklepios* 118: 11, ill. (pp. 11-12), 2014. Basionym: *Stapelia vaga*.
- Pachypodium enigmaticum** Pavelka & al., *Cact. Succ. J. (Los Angeles)* 86(6): 249-251, ill., 2014. Typus: *Razafindratsira* s.n. (PRC 455060).
- Pectinaria erinacea** Plowes, *Aloe* 51(1): 25-27, ill., 2014. Typus: *Bruyns* 1504 in *Plowes* 9216 (SRGH).
- Piarranthus cornutus** var. **mennellii** (C. A. Lückhoff) Plowes, *Bradleya* 32: 134, 2014. Basionym: *Piarranthus mennellii*.

**Piранthus erratus** Plowes, Bradleya 32: 131-132, ills., 2014. Typus: *Plowes* 5558B (SR-GH).

**Piранthus fuscatus** (N. E. Brown) Plowes, Bradleya 32: 139, 2014. Basionym: *Piранthus pillansii* var. *fuscatus*.

### ASPHODELACEAE

**Aloe aaata** T. A. McCoy & Lavranos, Cact. Succ. J. (Los Angeles) 86(6): 259-260, ills. (pp. 258-260), 2014. Typus: *McCoy* 3861 (FT).

**Aloe andersonii** van Jaarsveld & P. Nel, Bradleya 32: 112-114, ills., 2014. Typus: *van Jaarsveld & Nel* 24278 (PRE).

**Aloe bergeriana** (Dinter) Boatwright & J. C. Manning, Syst. Bot. 39(1): 68, 2014. Basionym: *Chortolirion bergerianum*.

**Aloe calliantha** T. A. McCoy & Lavranos, Cact. Succ. J. (Los Angeles) 86(6): 262-263, ills. (pp. 261-263), 2014. Typus: *McCoy* 523 (FT).

**Aloe gautieri** J.-P. Castillon & Nusbaumer, Candollea 69(1): 76-78, ills., 2014. Typus: *Gautier & al.* 4272 (G, MO, P, PRE, TAN, Herb. Daraina).

**Aloe haroniensis** T. A. McCoy & al., Cact. Succ. J. (Los Angeles) 86(4): 155-157, ills., 2014. Typus: *McCoy* 4012 (FT).

*Aloe horombensis* J.-P. Castillon, Adansonia, n.s. [ser. 3], 36(2): 228, ills. (p. 229), 2014. Based on *Perrier* 12740. *Nom. illeg.* (ICN Art. 52.1). [*Nom. nov. pro Aloe deltoideodonta* var. *brevifolia* H. Perrier 1926, but illegitimate since *A. deltoideodonta* var. *intermedia* H. Perrier 1926 is included in synonymy, and the replacement name *A. subacutissima* G. D. Rowley 1973 for this latter variety should have been taken up.]

*Aloe horombensis* ssp. *amboahangyensis* (Rebmann) J.-P. Castillon, Adansonia, n.s. [ser. 3], 36(2): 232, 2014. Incorrect name (ICN Art. 11.4), based on *Aloe deltoideodonta* ssp. *amboahangyensis*.

*Aloe horombensis* ssp. *andavakana* J.-P. Castillon, Adansonia, n.s. [ser. 3], 36(2): 232, ills. (p. 233), 2014. Based on *Castillon* 57. Incorrect name (ICN Art. 11.4).

*Aloe horombensis* ssp. *candicans* (H. Perrier) J.-P. Castillon, Adansonia, n.s. [ser. 3], 36(2): 230, ills. (p. 231), 2014. Incorrect name (ICN Art. 11.4), based on *Aloe deltoideodonta* var. *candicans*.

*Aloe horombensis* ssp. *fallax* (J.-P. Castillon) J.-P. Castillon, Adansonia, n.s. [ser. 3], 36(2): 230, ills. (p. 231), 2014. Incorrect name (ICN Art. 11.4), based on *Aloe deltoideodonta* var. *fallax*.

*Aloe horombensis* ssp. *ruffingiana* (Rauh & Pétiognat) J.-P. Castillon, Adansonia, n.s. [ser. 3], 36(2): 230, 2014. Incorrect name (ICN Art. 11.4), based on *Aloe ruffingiana*.

**Aloe ithya** T. A. McCoy & L. E. Newton, Hasetonia 19: 64-65, ills., 2014. Typus: *Idriss* s.n. in *McCoy* 2892 (EA, FT).

**Aloe liliputana** van Jaarsveld & Harrower, Bradleya 32: 30-32, ills. (pp. 31-34), 2014. Typus: *Harrower* 4664 (PRE).

**Aloe montis-nabro** Orlando & El Azzouni, CactusWorld 32(3): 201-202, ills. (pp. 201-203), 2014. Typus: *Orlando & El Azzouni* 222603 (FT).

**Aloe ribauensis** T. A. McCoy & al., Cact. Succ. J. (Los Angeles) 86(2): 51-53, ills. (p. 48-53), 2014. Typus: *McCoy* 3984 (LMU, FT).

×**Aloiampaloe** G. D. Rowley, Alsterworthia Int. 14(2): 18, 2014. [= *Aloe* × *Aloiampelos*.]

**Alloidendron** Sect. **Dracoaloe** (A. Berger) Boatwright & J. C. Manning, Syst. Bot. 39(1): 67, 2014. Basionym: *Aloe* Sect. *Dracoaloe*.

**Alloidendron sabaea** (Schweinfurth) Boatwright & J. C. Manning, Syst. Bot. 39(1): 67, 2014. Basionym: *Aloe sabaea*.

×**Altulista** G. D. Rowley, Alsterworthia Int. 14(2): 18, 2014. [= *Aloe* × *Tulista*.]

×**Altulisteria** G. D. Rowley, Alsterworthia Int. 14(2): 18, 2014. [= *Aloe* × *Gasteria* × *Tulista*.]

**Aristaloe** Boatwright & J. C. Manning, Syst. Bot. 39(1): 69, 2014. Typus: *Aloe aristata* Haworth.

**Aristaloe aristata** (Haworth) Boatwright & J. C. Manning, Syst. Bot. 39(1): 69, 2014. Basionym: *Aloe aristata*.

**Astroloba** Sect. **Poellnitzia** (Uitewaal) Boatwright & J. C. Manning, Syst. Bot. 39(1): 69, 2014. Basionym: *Poellnitzia*.

**Bulbine tecta** G. Williamson, Aloe 51(1): 16-17, ills., 2014. Typus: *du Toit* s.n. in *Williamson* 6045 (BOL).

- Bulbine tecta** ssp. **parvifolia** G. Williamson, *Aloe* 51(1): 16-18, ill., 2014. Typus: *du Toit* s.n. in *Williamson* 6046 (BOL).
- Gasteria loedolffiae** van Jaarsveld, Bradleya 32: 44-46, ill., (pp. 45-48), 2014. Typus: *van Jaarsveld & al.* 24626 (NBG).
- ×**Gastulista** G. D. Rowley, *Cactus & Co.* 17(2/3): 111, 2014. [Volume for 2013, distributed Feb. 2014.] [= *Gasteria* × *Tulista*.]
- ×**Gasworthiopsis** G. D. Rowley, *Alsterworthia Int.* 14(2): 21, 2014. [= *Gasteria* × *Haworthiopsis*.]
- Gonialoe** Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 69, 2014. Basionym: *Aloe* subgen. *Gonialoe*.
- Gonialoe dinteri** (A. Berger) Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 69, 2014. Basionym: *Aloe dinteri*.
- Gonialoe sladeniana** (Pole-Evans) Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 69, 2014. Basionym: *Aloe sladeniana*.
- Gonialoe variegata** (Linné) Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 69, 2014. Basionym: *Aloe variegata*.
- ×**Hawiopsis** G. D. Rowley, *Alsterworthia Int.* 14(2): 21, 2014. [= *Haworthia* × *Haworthiopsis*.]
- Haworthia** Sect. **Nortierae** Zonneveld, *Pl. Syst. Evol.* 301(3): 948, 2014. Typus: *Haworthia nortieri* G. G. Smith. Volume for 2015, e-published July 2014.
- Haworthia bobii** Breuer *ex* M. Hayashi, *Haworthia Study* 29: 4, ill., 2014. Typus: *Bayer* 7248 (TI). [First published as provisional name, ascribed to M. Hayashi, by Breuer, *Gen. Haworthia* Book 1, 60, ill., 2010.]
- Haworthia joleneae** M. Hayashi, *Haworthia Study* 29: 4, ill., 2014. Typus: *Bayer* 7609 (TI).
- Haworthia obserata** Marx, *Alsterworthia Int.* 14(1): 17-19, ill., 2014. Typus: *Scott* WMS102 (GRA).
- Haworthiopsis koelmaniorum** (Obermeyer & D. S. Hardy) Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 70, 2014. Basionym: *Haworthia koelmaniorum*.
- Haworthiopsis mcmurtryi** (C. L. Scott) Zonneveld, *Pl. Syst. Evol.* 301(3): 949, 2014. Basionym: *Haworthia mcmurtryi*. [Volume for 2015, e-published July 2014. Basionym sphalm. 'mcmurthryi'.]
- Haworthiopsis pungens** (M. B. Bayer) Boatwright & J. C. Manning, *Syst. Bot.* 39(2): 70-71, 2014. Basionym: *Haworthia pungens*.
- Haworthiopsis tessellata** (Haworth) Boatwright & J. C. Manning, *Syst. Bot.* 39(2): 71, 2014. Basionym: *Haworthia tessellata*.
- Haworthiopsis variabilis** (Breuer) Zonneveld, *Pl. Syst. Evol.* 301(3): 949, 2014. Basionym: *Haworthia viscosa* var. *variabilis*. [Volume for 2015, e-published July 2014.]
- Haworthiopsis viscosa** (Linné) G. D. Rowley, *Alsterworthia Int.* 13(3): 7, 2013. Basionym: *Aloe viscosa*. [Omitted previously. First published invalidly (RPS 64, ICN Art. 36.2) in *Alsterworthia Int. Spec. Issue* 10: 5, 2013.]
- ×**Kumalista** G. D. Rowley, *Alsterworthia Int.* 14(2): 21, 2014. [= *Kumara* × *Tulista*.]
- Kumara haemanthifolia** (A. Berger & Marloth) Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 67, 2014. Basionym: *Aloe haemanthifolia*.
- Tulista** subgen. **Aristaloe** (Boatwright & J. C. Manning) G. D. Rowley, *Alsterworthia Int.* 14(3): 3, 2014. Basionym: *Aristaloe*.
- Tulista** subgen. **Gonialoe** (Baker) G. D. Rowley, *Alsterworthia Int.* 14(3): 3, 2014. Basionym: *Aloe* subgen. *Gonialoe*.
- Tulista dinteri** (A. Berger) G. D. Rowley, *Alsterworthia Int.* 14(2): 22, 2014. Basionym: *Aloe dinteri*.
- Tulista minima** (Aiton) Boatwright & J. C. Manning, *Syst. Bot.* 39(1): 70, 2014. Basionym: *Aloe margaritifera* var. *minima*.
- Tulista sladeniana** (Pole-Evans) G. D. Rowley, *Alsterworthia Int.* 14(2): 22, 2014. Basionym: *Aloe sladeniana*.
- Tulista variegata** (Linné) G. D. Rowley, *Alsterworthia Int.* 14(2): 22, 2014. Basionym: *Aloe variegata*.
- ×**Tulworthia** G. D. Rowley, *Alsterworthia Int.* 14(2): 21, 2014. [= *Tulista* × *Haworthia*.]

## BEGONIACEAE

- Begonia obdeltata** Gregório & E. L. Jacques, *Phytotaxa* 167(2): 190-192, ill., 2014. Typus: *Thomas & al.* 14222 (CEPEC, RB).

CACTACEAE

- Ancistrocactus pinkavanus** García-Morales & al., Acta Succ. 2(1): 35-37, ills., 2014. Typus: *Hinton & al.* 29472 (Herb. G. B. Hinton, ITCV, MEXU, TAMUX).
- Anhaloniopsis** (Buxbaum) Mottram, Cactician 5: 11, 2014. Basionym: *Loxanthocereus* subgen. *Anhaloniopsis*.
- Anhaloniopsis madisoniorum** (Hutchison) Mottram, Cactician 5: 11, 2014. Basionym: *Borzicactus madisoniorum*.
- ×**Aporocereus** Mottram, Cactician 4: 20, 2014. [= *Aporocactus* × *Selenicereus*.]
- +**Arioechinopsis** 'Horst Ewald' Mottram, Cactician 4: 24, 2014. [*Nom. nov. pro* +*Ariocereus ewaldii* P. V. Heath 1992.]
- Austrocactus colloncurensis** I. Schaub & Keim, Kakt. and. Sukk. 65(8): 212, ills. (pp. 211-215), 2014. Typus: *Schaub & Keim* 632 (SGO).
- Austrocactus longicarpus** E. Sarnes & N. Sarnes, Kakt. and. Sukk. 65(10): 258, ills. (pp. 257-261), 2014. Typus: *Nyffeler & Egli* 342 (MERL, B, CORD) [There should also be a specimen at ZSS, but the sheet is missing as of Dec. 2015.]. [Collection number of the holotype supplied by the describing authors subsequent to the publication of the protologue.]
- Austrocephalocereus streckeri** (van Heek & van Criekinge) Mottram, Cactician 5: 15, 2014. Basionym: *Micranthocereus streckeri*.
- ×**Austrocereus** Mottram, Cactician 4: 30, 2014. [= *Austrocephalocereus* × *Pilosocereus*.]
- Austrocylindropuntia floccosa** ssp. **crispicrinita** (Rauh & Backeberg) Ostolaza, Todos Cact. Perú, 156, 2014. Basionym: *Tephrocactus crispicrinitus*. [Sphalm. 'crispicrinitus'.]
- Austrocylindropuntia lagopus** ssp. **malyana** (Rausch) Ostolaza, Todos Cact. Perú, 160, 2014. Basionym: *Tephrocactus malyanus*. [Sphalm. 'malyanus'.]
- ×**Aztekonia** Mottram, Cactician 5: 15, 2014. [Proposed as allopolyploid nothogenus.] [= *Aztekium* × *Geohintonia*.]
- ×**Aztekonia hintonii** (Glass & Fitz Maurice) Mottram, Cactician 5: 15, 2014. Basionym: *Aztekium hintonii*.

- Azureocereus columnaris** (F. Ritter) Lodé, Cact.-Avent. Int. 103: 18, ill., 2014. Basionym: *Browningia columnaris*.
- Azureocereus hertlingianus** fa. **viridis** (Rauh & Backeberg) Guiggi, Cactology 5: 6, 2014. Basionym: *Azureocereus viridis*.
- Azureocereus hertlingianus** ssp. **columnaris** (F. Ritter) Guiggi, Cactology 5: 6, 2014. Basionym: *Browningia columnaris*.
- Boliviacactus otavianus** (Cárdenas) Lodé, Cact.-Avent. Int. 101: 14, 2014. Basionym: *Parodia otaviana*.
- Borzicactus fieldianus** ssp. **sammensis** (F. Ritter) Ostolaza, Todos Cact. Perú, 260, 2014. Basionym: *Borzicactus sammensis*. [Repeated in Quepo 27: 9, 2015 ('2013').]
- Borzicactus roseiflorus** (Buining) Ostolaza, Todos Cact. Perú, 264, 2014. Basionym: *Akersia roseiflora*.
- Borzicactus serpens* ssp. **erectus** Ostolaza, Todos Cact. Perú, 266, 2014. *Nom. inval.* (ICN Art. 41.5). [*Nom. nov. pro* *Cleistocactus longiserpens* Leuenberger, but erroneously, the later combination *Borzicactus longiserpens* is cited as replaced name.]
- Brasilopuntia schickendantzii** (F. A. C. Weber) R. Puente & Majure, Succ. Pl. Res. 8: 25, 2014. Basionym: *Opuntia schickendantzii*. [Pre-print, distributed 7. 4. 2014.]
- ×**Carlrettigara** Mottram, Cactician 4: 49, 2014. [= *Aporocactus* × *Epiphyllum* × *Selenicereus*.]
- ×**Cereopsis** Mottram, Cactician 4: 54, 2014. *Nom. illeg.* (ICN Art. 52.1). [Predated by the isonym ×*Cereopsis* Horváth 1936..] [= *Cereus* × *Echinopsis*.]
- ×**Cernikara** T. S. Harvey, Cact. Succ. J. (Los Angeles) 86(5): 189, 2014. [= *Echinocactus* × *Ferocactus* × *Leuchtenbergia*.]
- ×**Cleiferocactus** G. D. Rowley, CactusWorld 32(1): 25, 2014. [Casually mentioned in a diagram only, and without evidence that such plants really exist, so the name is likely invalid under ICN Art. 36.1b / H9.1, Note 2.] [= *Cleistocactus* × *Ferocactus*.]
- ×**Cleistephyllum** Mottram, Cactician 4: 67, 2014. [= *Cleistocactus* × *Epiphyllum*.]
- Corynopuntia robertsii** (Rebman) Bulot & Solichon, Cact. Succ. 1(2): 65, 2009. Basionym: *Grusonia robertsii*. [Omitted previously.]

- Corynopuntia wrightiana* (E. M. Baxter) Breslin, Cact. Succ. J. (Los Angeles) 86(3): 116, ill., 2014. *Nom. inval.* (ICN Art. 41.5), based on *Grusonia wrightiana*. [Published as provisional name.]
- +**Coryopuntia** Mottram, Cactician 4: 76, 2014. [= *Coryphantha* + *Opuntia*.]
- Cylindropuntia chuckwallensis** M. A. Baker, Madroño 61(2): 237, ill. (pp. 236, 238), 2014. Typus: *Baker & Cloud-Hughes* 17534 (ASU, SD).
- Disocactus lodei** Véliz & al., Cact.-Avent. Int. 104: 2-5, ill., 2014. Typus: *Véliz* 20100 (BIGU, BIGU, MEXU).
- +**Echinastrophytum** Mottram, Cactician 4: 99, 2014. [= *Echinofossulocactus* + *Astrophytum*.]
- Echinocereus coccineus** ssp. **gurneyi** (L. D. Benson) D. Felix & H. Bauer, Echinocereus Online-J. 2 (Sonderheft): xiii, ill. (p. xii), 2014. Basionym: *Echinocereus triglochidiatus* var. *gurneyi*.
- Echinocereus coccineus** ssp. **santaritensis** (W. Blum & Rutow) M. A. Baker, Phytoneuron 2014-69: 38, 2014. Basionym: *Echinocereus santaritensis*.
- Echinocereus dasyacanthus** ssp. **crockettianus** D. Felix & H. Bauer, Echinocereus Online-J. 2 (Sonderheft): v, ill. (p. iv), 2014. Typus: *Anonymus* 577 (JE, Herb. D. Felix).
- Echinocereus dasyacanthus** ssp. **multispinosus** D. Felix & H. Bauer, Echinocereus Online-J. 2 (Sonderheft): vii, ill. (p. vi), 2014. Typus: *Anonymus* 2236 (JE, Herb. D. Felix).
- Echinocereus felixianus** H. Bauer, Echinocereus Online-J. 2 (Sonderheft): ix-x, ill. (p. viii), 2014. Typus: *Anonymus* 5387 (JE, Herb. D. Felix).
- Echinocereus fendleri** ssp. **kuenzleri** (E. F. Castetter & al.) W. Blum & D. Felix, Echinocereus Online-J. 2(2): 105, ill. (pp. 108-112), 2014. Basionym: *Echinocereus kuenzleri*.
- Echinocereus koehresianus** ssp. **gruberianus** Rischer, Echinocereus Online-J. 2(1): 7-9, ill. (pp. 12-20), 2014. Typus: *Chalet* 5245 (IBUG).
- Echinocereus pectinatus** ssp. **rutowiorum** W. Blum, Cact. Explorer 12: 24, 27, ill., 2014. Typus: *Anonymus* s.n. (KR). [Sphalm. 'rutowii', but named for Jürgen & Ruth Rutow.]
- +**Echinogymnocalycium** Mottram, Cactician 4: 103, 2014. [= *Echinopsis* + *Gymnocalycium*.]
- +**Echinogymnocalycium** 'Japan' Mottram, Cactician 4: 103, 2014. [= *Echinopsis eyriesii* + *Gymnocalycium stenopleurum*.]
- ×**Echinomillaria** Mottram, Cactician 4: 104, 2014. [= *Echinopsis* × *Mammillaria*.]
- Echinopsis ancistrophora** var. **graulichii** (Fric) J. Ullmann, Kaktusy (Brno) 50(Speciál 1): 27, 2014. Basionym: *Lobivia graulichii*.
- Echinopsis mamillosa** var. **hystrichoides** (F. Ritter) J. Ullmann, Kaktusy (Brno) 50(Speciál 1): 28, 2014. Basionym: *Echinopsis hystrichoides*.
- Echinopsis oxygona** fa. **brasiliensis** (Fric ex Pazout) J. Ullmann, Kaktusy (Brno) 50(Speciál 1): 25, 2014. Basionym: *Echinopsis brasiliensis*.
- Echinopsis oxygona** fa. **multiplex** (Pfeiffer) J. Ullmann, Kaktusy (Brno) 50(Speciál 1): 25, 2014. Basionym: *Cereus multiplex*.
- Echinopsis oxygona* fa. *werdermannii* (Fric ex Fleischer) J. Ullmann, Kaktusy (Brno) 50(Speciál 1): 25, 2014. *Nom. inval.*, based on *Echinopsis werdermannii*, *nom. inval.* (ICN Art. 8.4).
- ×**Echinulocactus** Mottram, Cactician 4: 106, 2014. [= *Echinocactus* × *Echinofossulocactus*.]
- ×**Epocereus** Mottram, Cactician 4: 110, 2014. [= *Echinocereus* × *Epiphyllum*.]
- +**Epigymnocalycium** Mottram, Cactician 4: 110, 2014. [= *Epiphyllum* + *Gymnocalycium*.]
- ×**Epipilosocereus** Mottram, Cactician 4: 112, 2014. [= *Epiphyllum* × *Pilosocereus*.]
- ×**Epipuntia** Mottram, Cactician 4: 112, 2014. [= *Epiphyllum* × *Opuntia*.]
- Espostoa calva* ssp. *utucumbensis* (G. Charles) Ostolaza, Todos Cact. Perú, 278, 2014. *Nom. inval.* (ICN Art. 41.5), based on *Espostoa utucumbensis*.
- Espostoa cremnophila** Hoxey, Bradleya 32: 38, ill. (pp. 36-43), 2014. Typus: *Hoxey* 1045.01 (HUSA).
- Grusonia gucinii** (D. Donati) Bárcenas & H. M. Hernández, Succ. Pl. Res. 8: 194, 2014. Basionym: *Corynopuntia gucinii*.
- Gymnanthocereus amstutziae** (Rauh & Backeberg) Guiggi, Cactology 5: 14, 2014. Basionym: *Gymnocereus amstutziae*.

- Gymnanthocereus hernandezii** (Fernández Alonso) Guiggi, *Cactology* 5: 14, 2014. Basionym: *Browningia hernandezii*.
- Gymnocalycium basiatarum** F. Berger & al., *Gymnocalycium* 27(3): 1134-1135, ill. (pp. 1129-1137), 2014. Typus: *Berger* 01-273/1249 (CORD).
- Gymnocalycium bodenbenderianum** fa. **guasayanense** (Strigl) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* var. *guasayanense*.
- Gymnocalycium bodenbenderianum** fa. **guthianum** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* var. *guthianum*.
- Gymnocalycium bodenbenderianum** fa. **mirandaense** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* var. *mirandaense*.
- Gymnocalycium bodenbenderianum** fa. **pipanacoense** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* var. *pipanacoense*.
- Gymnocalycium bodenbenderianum** fa. **platygonum** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* var. *platygonum*.
- Gymnocalycium bodenbenderianum** fa. **sanjuanense** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* var. *sanjuanense*.
- Gymnocalycium bodenbenderianum** ssp. **piltziorum** (Schütz ex H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* ssp. *piltziorum*.
- Gymnocalycium bodenbenderianum** ssp. **vertongenii** (Amerhauser) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* ssp. *vertongenii*.
- Gymnocalycium bodenbenderianum** var. **kozelskianum** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* ssp. *kozelskianum*.
- Gymnocalycium bodenbenderianum** var. **paucispinum** (H. Till & W. Till) F. Berger & al., *Gymnocalycium* 27(3): 1138 ('1038'), 2014. Basionym: *Gymnocalycium riojense* ssp. *paucispinum*.
- Gymnocalycium kroenleinii** ssp. **funettae** Merregalli, *Schütziana* 5(1): 8-9, ill. (pp. 4-5, 9, 11); (3): 3 [erratum], 2014. Typus: *Meregalii & Funetta 977* (TO-HG).
- Gymnocalycium mostii** ssp. **bicolor** Repka, *Bradleya* 32: 171, 2014. Typus: BA [not deposited]; [neo – icono:] *Gymnocalycium* 15: 445, fig. 2, 2002 [Neotypification according to the protologue, supplemented with an epitype (*Piltz* 116, PR).]. [First published invalidly (ICN Art. 36.1b) l.c. 31: 113, 2013 (cf. RPS 64). Published as combination for *Gymnocalycium valnicekianum* var. *bicolor* Till & Amerhauser 2002 (*nom. inval.*, ICN Art. 40.6, Ex. 5). Since the paper includes an English diagnosis (p. 167), the name can be accepted as validly published, although the holotype refers to the "neotype" of the attempted basionym, and there is evidence that this specimen had not been deposited. The author concurrently provides a 'lectotype' (illustration from Till & Amerhauser 2002), plus an epitype (specimen at PR).]
- Haageocereus kagenekii** (C. C. Gmelin) Mottram, *Cactician* 7: 12, 2014. Basionym: *Cactus kagenekii*.
- Kroenleinia** Lodé, *Cact.-Avent. Int.* 102: 25, 2014. Typus: *Echinocactus grusonii* Hildmann.
- Kroenleinia grusonii** (Hildmann) Lodé, *Cact.-Avent. Int.* 102: 27, 2014. Basionym: *Echinocactus grusonii*. [The reference to the basionym required by ICN is found l.c. p. 25, and although the correct place of publication is not cited, the combination appears valid under ICN Art. 41.8a.]
- Lobivia pugionacantha** var. **alberi** Diers & Krahn, *Echinopseen* 11(2): 60-62, ill. (pp. 57-67), 2014. Typus: *Krahn* 1094 (LPB, WU).
- Loxanthocereus acanthurus** ssp. **faustianus** (Backeberg) Ostolaza, *Todos Cact. Perú*, 332, 2014. Basionym: *Borzicactus faustianus*.
- Loxanthocereus hoxeyi** (G. Charles) Lodé, *Cact.-Avent. Int.* 101: 14, 2014. Basionym: *Borzicactus hoxeyi*.

- Maihueniopsis reicheana** (Espinosa) Kattermann *ex* Lodé, *Cact.-Avent. Int.* 102: 30, 2014. Basionym: *Opuntia reicheana*. [Name first published invalidly (ICBN Art. 33.4) by Kattermann, *Cact. Succ. J. (US)* 83(4): 155, 2011 (cf. RPS 62).]
- Mammillaria bertholdii** Linzen, *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 38(2): 125-126, *ills.* (pp. 124-127), 2014. Typus: *Berthold 13/298* (IBUG).
- Mammillaria columbiana** ssp. **ruestii** (Quehl) Lodé, *Cact.-Avent. Int.* 104: 37, 2014. Basionym: *Mammillaria ruestii*. [First published invalidly (ICN Art. 41.5) *l.c.* 100: 30, 2013 (cf. RPS 64).]
- Mammillaria crucigera** ssp. **grandinosa** (Linzen & al.) Rogozinski & Plein, *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 38(3): 192, *ills.* (pp. 188-191), 2014. Basionym: *Mammillaria crucigera* var. *grandinosa*.
- Mammillaria hermosana** Linzen & al., *Mitteilungsbl. Arbeitskreises Mammillarienfr.* 38(1): 5-6, *ills.* (pp. 2-9), 2014. Typus: *Anonymus* s.n. (UAT 22255).
- Mammillaria huntiana** García-Morales & al., *J. Mammillaria Soc.* 54(2): 44-45, *ills.* (pp. 43-50), 2014. Typus: *García-Morales 755* (ITCV, CFNL, Herb. G. B. Hinton).
- Melocactus sergipensis** N. P. Taylor & M. V. Meiado, *Bradleya* 32: 102-104, *ills.* (pp. 101-103), 2014. Typus: *Bravo Filho 15* (ASE 31075).
- Micranthocereus flaviflorus** ssp. **alvinii** (Machado & Hofacker) Lodé, *Cact.-Avent. Int.* 102: 30, *ill.* (p. 31), 2014. Basionym: *Micranthocereus polyanthus* ssp. *alvinii*.
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