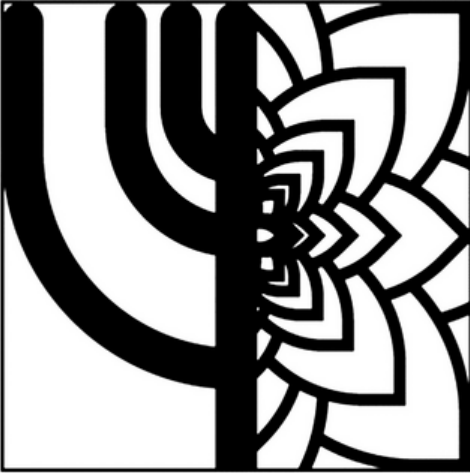


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International Organization
for Succulent Plant Study

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
LXVI (2015)**

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 issues 55–65.

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 LXVI (2015)

*Index nominum novarum plantarum succulentarum anno MMXV
editorum nec non bibliographia taxonomica ab U. Egli compositus.*

International Organization for Succulent Plant Study

May 2017

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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.
- 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.

Compiled by:

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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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Compilers' Preface

Apologies are again due for the delayed publication of this issue of RPS. The reasons for the delay are largely the same as for the previous issue. The ever-growing amount of publications on various aspect of succulent plant botany significantly increases the time needed to evaluate the papers and extract the relevant details. The size of this issue with 422 new names and 463 references mirrors these increased activities.

For the past more than 10 years, the compilation of RPS was greatly assisted by my colleague Reto Nyffeler from the Institute of Systematic and Evolutionary Botany, University of Zürich. He supported the editorial work since issue 55 (for 2004). Growing commitments in connection with his work at the University made it increasingly difficult to continue his work as co-editor for RPS. I greatly regret Reto Nyffeler's decision to step down from his editorial duties for RPS, and express my deep gratitude for all the help he was able to provide in the past 11 years.

Sincere thanks are again due to the IPNI team at Kew, for their willingness to help with the interpretation of several new names where validity or legitimacy under the Code was difficult to establish. Reiner Mailänder, Zürich, has again generously supported RPS work by scanning numerous "general" biological journals. A vast proportion of the bibliographical details have been assembled by Nino Giacomelli during his 2016 internship at the Zürich Succulent Plant Collection. I am grateful for all this diligent work.

NOMINA NOVA

AGAVACEAE

- Agave** Sect. **Bechtoldiae** Hochstätter, *Agave*, I-21, 2015. Typus: *Agave victoriae-reginae* T. Moore.
- Agave** Sect. **Campaniflorae** (Trelease) R. H. Webb & G. D. Starr, *Cact. Succ. J. (Los Angeles)* 87(2): 84, 2015. Basionym: *Agave* group *Campaniflorae*. [First used invalidly (ICN Art. 41.1) in *Haseltonia* 20: 68, 2015.]
- Agave** Sect. **Choritepalae** Gentry *ex* Hochstätter, *Agave*, I-14, 2015. Typus: *Agave ellemeetiana* Jacobi 1865. Apparently based on *Agave* group *Choritepalae* Gentry 1982, although this name is not cited, and the taxon is validly described with an English diagnosis and a type statement.
- Agave** Sect. **Conicae** R. H. Webb & G. D. Starr, *Haseltonia* 20: 71, 2015. Typus: *Agave avellanidens* Trelease.
- Agave** Sect. **Deserticolae** (Trelease) R. H. Webb & G. D. Starr, *Cact. Succ. J. (Los Angeles)* 87(2): 84, 2015. Basionym: *Agave* group *Deserticolae*. [First used invalidly (ICN Art. 41.1) in *Haseltonia* 20: 76, 2015.]
- Agave** Sect. **Ditepalae** Gentry *ex* Hochstätter, *Agave*, I-26, 2015. Typus: *Agave shrevei* Gentry. Obviously based on *Agave* group *Ditepalae* Gentry, for which a reference to the place of first publication is given, but the name is not actually cited, so Hochstätter's name must be interpreted as independent name with an English diagnosis.
- Agave** Sect. **Hibernicae** Hochstätter, *Agave*, I-31, 2015. Typus: *Agave gentryi* Ullrich 1990. Name also published invalidly (ICN Art. 39.2) by Hochstätter in *Succulenta* 94(5): 221, 2015.
- Agave** Sect. **Hiemiflorae** Gentry *ex* Hochstätter, *Agave*, I-34, 2015. Typus: *Agave hiemiflora* Gentry 1982. Apparently based on *Agave* group *Hiemiflorae* Gentry 1982, although this name is not cited, but the taxon is validly described with an English diagnosis and a type statement.
- Agave** Sect. **Hodgsoniae** Hochstätter, *Agave*, I-30, 2015. Typus: *Agave murpheyi* Gibson 1935. Name also published invalidly (ICN Art. 39.2) by Hochstätter in *Succulenta* 94(5): 223, 2015.
- Agave** Sect. **Inaguenses** (Trelease) Hochstätter, *Agave*, I-40, 2015. Basionym: *Agave* group *Inaguenses*.
- Agave** Sect. **Intermediae** R. H. Webb & G. D. Starr, *Haseltonia* 20: 87, 2015. Typus: *Agave vizcainoensis* Gentry. Doubtfully valid as the descriptive statement is hidden in a long paragraph discussing the newly described taxon in comparison with the former affiliation of its component species.
- Agave** Sect. **Parryanae** Gentry *ex* Hochstätter, *Agave*, I-29, 2015. Typus: *Agave parryi* Engelm 1875. Apparently based on *Agave* group *Parryanae* Gentry 1982, although this name is not cited, but the taxon is validly described with an English diagnosis and a type statement.
- Agave** Sect. **Parviflorae** Gentry *ex* Hochstätter, *Agave*, I-16, 2015. Typus: *Agave parviflora* Torrey. Apparently based on *Agave* group *Parviflorae* Gentry 1982, although this name is not cited, but the taxon is validly described with an English diagnosis and a type statement.
- Agave** Sect. **Rigidae** (Baker) R. H. Webb & G. D. Starr, *Cact. Succ. J. (Los Angeles)* 87(2): 85, 2015. Basionym: *Agave* group *Rigidae*. [First used invalidly (ICN Art. 41.1) in *Haseltonia* 20: 90, 2015.]
- Agave** Sect. **Umbelliflorae** (Trelease) R. H. Webb & G. D. Starr, *Cact. Succ. J. (Los Angeles)* 87(2): 86, 2015. Basionym: *Agave* group *Umbelliflorae*. [First used invalidly (ICN Art. 41.1) in *Haseltonia* 20: 91, 2015.]
- Agave** Sect. **Urceolatae** Gentry *ex* Hochstätter, *Agave*, I-18, 2015. Typus: *Agave utahensis* Engelm 1871. Apparently based on *Agave* group *Urceolatae* Gentry 1982, although this name is not cited, but the taxon is validly described with an English diagnosis and a type statement.
- Agave** Ser. **Antillanae** (Trelease) Hochstätter, *Agave*, I-39, 2015. Basionym: *Agave* group *Antillanae*.
- Agave** Ser. **Antillares** (Trelease) Hochstätter, *Agave*, I-40, 2015. Basionym: *Agave* group *Antillares*.
- Agave** Ser. **Bahamanae** (Trelease) Hochstätter, *Agave*, I-39, 2015. Basionym: *Agave* group *Bahamanae*.

- Agave Ser. Bechtoldiae** Hochstätter, *Agave*, I-21, 2015. Typus: *Agave victoriae-reginae* T. Moore.
- Agave Ser. Campaniflorae** (Trelease) Breitung ex Hochstätter, *Agave*, I-24, 2015. Basionym: *Agave* group *Campaniflorae*. [First published invalidly (ICN Art. 41.5) by Breitung, *Cact. Succ. J. (US) Yearb.*, 83, 1968.]
- Agave Ser. Caribaeae** (Trelease) Hochstätter, *Agave*, I-38, 2015. Basionym: *Agave* group *Caribaeae*.
- Agave Ser. Crenatae** (A. Berger) Hochstätter, *Agave*, I-27, 2015. Basionym: *Agave* group *Crenatae*.
- Agave Ser. Deserticolae** (Trelease) Breitung ex Hochstätter, *Agave*, I-25, 2015. Basionym: *Agave* group *Deserticolae*. [First published invalidly (ICN Art. 41.5) by Breitung, *Cact. Succ. J. (US) Yearb.*, 85, 1968.]
- Agave Ser. Ditepalae** Gentry ex Hochstätter, *Agave*, I-26, 2015. Typus: *Agave shrevei* Gentry 1972. Given as "comb. et stat. nov." for *Agave* group *Ditepalae* Gentry 1982 (which was invalid at the time of description for lack of a Latin diagnosis), but to be treated as new name with a direct reference to an English diagnosis via the citation of the assumed basionym.
- Agave Ser. Filiferae** (Baker) Hochstätter, *Agave*, I-15, 2015. Basionym: *Agave* [?] *Filiferae*.
- Agave Ser. Hibernicae** Hochstätter, *Agave*, I-32, 2015. Typus: *Agave gentryi* Ullrich 1990. Name also published invalidly (ICN Art. 39.2) by Hochstätter in *Succulenta* 94(5): 221, 2015.
- Agave Ser. Hodgsoniae** Hochstätter, *Agave*, I-31, 2015. Typus: *Agave murpheyi* Gibson 1935. Name also published invalidly (ICN Art. 39.2) by Hochstätter in *Succulenta* 94(5): 223, 2015.
- Agave Ser. Inaguenses** (Trelease) Hochstätter, *Agave*, I-41, 2015. Basionym: *Agave* group *Inaguenses*.
- Agave Ser. Isthmenses** Hochstätter, *Agave*, I-34, 2015. Typus: *Agave isthmensis* A. Garcia-Mendoza & F. Palma 1993.
- Agave Ser. Marginatae** (Jacobi) Hochstätter, *Agave*, I-19, 2015. Basionym: *Agave* [?] *Marginatae*.
- Agave Ser. Marmoratae** (A. Berger) Breitung ex Hochstätter, *Agave*, I-23, 2015. Basionym: *Agave* group *Marmoratae*. [Name first published invalidly (ICN Art. 41.5) by Breitung, *Cact. Succ. J. (US) Yearbook*, 65, 1968, and again published invalidly (ICN Art. 39.2) by Hochstätter, *Succulenta* 95(1): 38, 2016.]
- Agave Ser. Micracanthae** (Salm-Dyck) Hochstätter, *Agave*, I-17, 2015. Basionym: *Agave* Sect. *Micracanthae*.
- Agave Ser. Parryanae** Gentry ex Hochstätter, *Agave*, I-29, 2015. Typus: *Agave parryi* Engelm 1875. Given as "comb. et stat. nov." for *Agave* group [given as 'section'] *Parryanae* Gentry 1982 (which was invalid at the time of description for lack of a Latin diagnosis), but to be treated as new name with an English diagnosis.
- Agave Ser. Parviflorae** (Gentry) Hochstätter, *Agave*, I-16, 2015. Basionym: *Agave* group *Parviflorae*. [Basionym incorrectly cited as at the rank of section.]
- Agave Ser. Salmianae** (A. Berger) Hochstätter, *Succulenta* (Netherlands) 94(3): 139, 2015. Basionym: *Agave* group *Salmianae*. [Published 1. 6. 2015. The basionym is erroneously given as "*Agave Salmianae*" but with correct literature reference. If this is considered insufficient, the name is validly described as new taxon with an English diagnosis and with *A. salmiana* as type. Republished (as combination) by Hochstätter, *Agave*, I-22, 2015 (Oct. 2015).]
- Agave Ser. Striatae** (Baker) Hochstätter, *Agave*, I-12, 2015. Basionym: *Agave* [?] *Striatae*.
- Agave Ser. Subintegrifoliae** (Baker) Hochstätter, *Agave*, I-14, 2015. Basionym: *Agave* [?] *Subintegrifoliae*.
- Agave Ser. Umbelliflorae** (Trelease) Breitung ex Hochstätter, *Agave*, I-28, 2015. Basionym: *Agave* group *Umbelliflorae*. [First published invalidly (ICN Art. 41.5) by Breitung, *Cact. Succ. J. (US) Yearb.*, 75, 1968]
- Agave Ser. Urceolatae** Gentry ex Hochstätter, *Agave*, I-19, 2015. Typus: *Agave utahensis* Engelm 1871. Given as "comb. et stat. nov." for *Agave* group *Urceolatae* Gentry 1982 (which was invalid at the time of description for lack of a Latin diagnosis), but to be treated as new name with a direct reference to an English diagnosis via the

- citation of the assumed basionym.
- Agave** Ser. **Viviparae** (Baker) Hochstätter, *Agave*, I-36, 2015. Basionym: *Agave* [?] *Viviparae*.
- Agave** Subsect. **Antillanae** (Trelease) Hochstätter, *Agave*, I-39, 2015. Basionym: *Agave* group *Antillanae*.
- Agave** Subsect. **Viviparae** (Baker) Hochstätter, *Agave*, I-36, 2015. Basionym: *Agave* [?] *Viviparae*.
- Agave alboaustralis** (E. Solano & Ríos-Gómez) Thiede, *Bradleya* 33: 83, 2015. Basionym: *Polianthes alboaustralis*.
- Agave americana** ssp. **expansa** (Jacobi) Hochstätter, *Agave*, I-33, 2015. Basionym: *Agave expansa*.
- Agave americana** ssp. **oaxacensis** (Gentry) Hochstätter, *Agave*, I-33, 2015. Basionym: *Agave americana* var. *oaxacensis*.
- Agave angustifolia** ssp. **deweyana** (Trelease) Hochstätter, *Agave*, I-37, 2015. Basionym: *Agave deweyana*.
- Agave angustifolia** ssp. **letonae** (F. W. Taylor ex Trellease) Hochstätter, *Agave*, I-37, 2015. Basionym: *Agave letonae*.
- Agave angustifolia** ssp. **rubescens** (Salm-Dyck) Hochstätter, *Agave*, I-37, 2015. Basionym: *Agave rubescens*. [First published invalidly (ICBN Art. 33.3) (and with bracket author as 'Gentry') by A. Valenzuela & Nabhan, *Tequila Nat. Cult. Hist.*, 101, 2003 (cf. RPS 55).]
- Agave angustifolia** ssp. **sargentii** (Trelease) Hochstätter, *Agave*, I-37, 2015. Basionym: *Agave angustifolia* var. *sargentii*.
- Agave antillarum** ssp. **grammontensis** (Trelease) Hochstätter, *Agave*, I-40, 2015. Basionym: *Agave antillarum* var. *grammontensis*.
- Agave atrovirens** ssp. **mirabilis** (Trelease) Hochstätter, *Agave*, I-35, 2015. Basionym: *Agave mirabilis*.
- Agave aurea** ssp. **promontorii** (Trelease) R. H. Webb & G. D. Starr, *Haseltonia* 20: 70, ill. (p. 71), 2015. Basionym: *Agave promontorii*.
- Agave aurea** var. **capensis** (Gentry) R. H. Webb & G. D. Starr, *Haseltonia* 20: 70, ill., 2015. Basionym: *Agave capensis*.
- Agave cantala** ssp. **acuispina** (Trelease) Hochstätter, *Agave*, I-37, 2015. Basionym: *Agave acuispina*.
- Agave cerulata** var. **nelsonii** (Gentry) R. H. Webb & G. D. Starr, *Haseltonia* 20: 80, ill., 2015. Basionym: *Agave nelsonii*.
- Agave datylio** ssp. **vexans** (Trelease) Hochstätter, *Agave*, I-38, 2015. Basionym: *Agave vexans*.
- Agave mapisaga** ssp. **lisa** (Gentry) Hochstätter, *Agave*, I-23, 2015. Basionym: *Agave mapisaga* var. *lisa*.
- Agave mitis** ssp. **albidior** (Salm-Dyck) Hochstätter, *Agave*, I-18, 2015. Basionym: *Agave micracantha* var. *albidior*.
- Agave neocernua** Thiede, *Bradleya* 33: 83, 2015. Typus: *Castro-Castro & al.* 2495 (IBUG, IEB, MEXU). [*Nom. nov. pro Polianthes cernua* Art. Castro & al. 2015 (*non Agave cernua* A. Berger 1915).]
- Agave ocahui** ssp. **longifolia** (Gentry) Hochstätter, *Agave*, I-13, 2015. Basionym: *Agave ocahui* var. *longifolia*.
- Agave parryi** ssp. **couesii** (Engelmann ex Trellease) Hochstätter, *Agave*, I-30, 2015. Basionym: *Agave couesii*. [Sphalm. 'couesii'. Republished invalidly (ICN Art. 41.5) by Hochstätter in *Succulenta* 94(6): 285, 2015.]
- Agave parryi** ssp. **huachucensis** (Baker) Hochstätter, *Agave*, I-30, 2015. Basionym: *Agave huachucensis*. [Republished invalidly (ICN Art. 41.5) by Hochstätter in *Succulenta* 94(6): 285, 2015.]
- Agave parryi** ssp. **truncata** (Gentry) Hochstätter, *Agave*, I-30, 2015. Basionym: *Agave parryi* var. *truncata*. [Republished invalidly (ICN Art. 41.5) by Hochstätter in *Succulenta* 94(6): 285, 2015.]
- Agave salmiana** ssp. **ferox** (K. Koch) Hochstätter, *Agave*, I-23, 2015. Basionym: *Agave ferox*.
- Agave utahensis** ssp. **eborisipina** (Hester) Hochstätter, *Agave*, I-19, 2015. Basionym: *Agave eborispina*.
- Agave utahensis** ssp. **nevadensis** (Engelmann ex Greenman & Roush) Hochstätter, *Agave*, I-19, 2015. Basionym: *Agave utahensis* var. *nevadensis*.
- Polianthes cernua** Art. Castro & al., *Phytotaxa* 201(2): 143, ill. (pp. 144-145), 2015. Typus: *Castro-Castro & al.* 2495 (IBUG, IEB, MEXU).
- Yucca** 'Anna' B. M. Jensen, *CactusWorld* 33(1): 15-18, ill., 2015. [= *Yucca glauca* × *Y. filamentosa*.]

Yucca Sect. *Hesperoyucca* (Engelmann) Hochstätter, Cact.-Avent. Int. 106-107: 2, 16, 2015. *Nom. inval.* (ICN Art. 41.5). [Attributed to Engelmann, but Engelmann published the name without rank.]

Yucca Ser. **McKelveyanae** Hochstätter, Cact.-Avent. Int. 106-107: 15, 2015. Typus: *Yucca newberryi* McKelvey 1947. Validity doubtful since the diagnosis compares the new taxon with the invalidly published *Yucca* Ser. *Whippleae*.

Yucca Ser. *Whippleae* Hochstätter, Cact.-Avent. Int. 106-107: 15, 2015. *Nom. inval.* (ICN Art. 38.1a). [Based on *Yucca whipplei* Torrey 1859.]

Yucca newberryi ssp. **mckelveyana** Hochstätter, Cact.-Avent. Int. 106-107: 14, ill., 2015. Typus: *Hochstätter* 1186.20 (SRP).

AIZOACEAE

Conophytum confusum A. J. Young & al., *Bradleya* 33: 48, ills. (pp. 44, 48), 2015. Typus: *Harrower* 4777 (NBG).

Conophytum crateriforme A. J. Young & al., *Bradleya* 33: 56-57, ills. (pp. 53, 55), 2015. Typus: *Harrower & al.* 1503 (NBG).

Daggodora S. A. Hammer, *Mesemb Study Group Bull.* 30(3): 57-58, 2015. Typus: *Delosperma sphalmanthoides* S. A. Hammer.

Daggodora sphalmanthoides (S. A. Hammer) S. A. Hammer, *Mesemb Study Group Bull.* 30(3): 58, 2015. Basionym: *Delosperma sphalmanthoides*. [Repeated l.c. (4): 99, 2015.]

Delosperma abbotii van Jaarsveld, *Bradleya* 33: 97, ills. (pp. 98-103), 2015. Typus: *van Jaarsveld* 19294 (PRE).

Dinteranthus microspermus fa. *albiflorus* B. Fearn, *Mesemb Study Group Bull.* 30(2): 30, 2015. *Nom. inval.* (ICN Art. 40.1). [Published as combination with N. E. Brown as bracket author, but no basionym cited, nor with a diagnosis or type.]

Dinteranthus vallis-mariae (Dinter & Schwantes) B. Fearn, *Mesemb Study Group Bull.* 30(2): 30, 2015. Basionym: *Mesembryanthemum vallis-mariae*.

Drosanthemum badspoortensis van Jaarsveld, *Bradleya* 33: 133-134, ills. (pp. 129-135), 2015. Typus: *van Jaarsveld & Deacon* 23420 (NBG).

Hymenogyne glabra ssp. **namaquensis** Klak, *Taxon* 64(3): 520, ills. (p. 515), 2015. Typus: *Barker* 8998 (BOL, NBG).

Schlechteranthus albiflorus (L. Bolus) Klak, *S. African J. Bot.* 103: 74, fig. 2 (p. 72), 2015. Basionym: *Ruschia albiflora*. [E-published, print version published March 2016.]

Schlechteranthus diutinus (L. Bolus) Klak, *S. African J. Bot.* 103: 75, 2015. Basionym: *Ruschia diutina*. [E-published, print version published March 2016.]

Schlechteranthus holgatensis Klak, *S. African J. Bot.* 103: 76, figs. 1A, 4 (pp. 71, 73), 2015. Typus: *Klak* 2263 (BOL, NBG). [E-published, print version published March 2016.]

Schlechteranthus steenbokensis (H. E. K. Hartmann) Klak, *S. African J. Bot.* 103: 75, fig. 1B (p. 71), 2015. Basionym: *Polymita steenbokensis*. [E-published, print version published March 2016.]

Skiatophytum flaccidifolium Klak, *Taxon* 64(3): 519, ill. (p. 518), 2015. Typus: *Salter* 5119 (BOL).

Skiatophytum skiatophytoides (Leistner) Klak, *Taxon* 64(3): 519, 2015. Basionym: *Caryotophora skiatophytoides*.

ANACAMPSEROTACEAE

Anacampseros gariensis (G. Williamson) Dreher, *Avonia* 33(3): 121, ills., 2015. Basionym: *Avonia gariensis*.

Anacampseros lavbleckiana (G. Williamson) Dreher, *Avonia* 33(3): 122, ills., 2015. Basionym: *Avonia lavbleckiana*.

Anacampseros papyracea ssp. **perplexa** (G. Williamson) Dreher, *Avonia* 33(3): 130, ills., 2015. Basionym: *Avonia perplexa*.

APOCYNACEAE

- Adenium dhofarense** Rzepecky, Cact. Succ. J. (Los Angeles) 87(3): 131, ills. (pp. 129-135), 2015. Typus: *Lavranos* 4248A in *Rzepecky* 09031201 (FT).
- Ceropegia cochleata** Kidyoo, Nordic J. Bot. 33: 668-670, ills., 2015. Typus: *Kidyoo* 1596 (BCU, BKF).
- Ceropegia terebriformis** Bester, Fl. Pl. Africa 64: 108, ills. (pp. 109, 112, 114), 2015. Typus: *Condy* 244 (PRE, K).
- Ceropegia tribounii** Kidyoo, Phytotaxa 205(1): 59-62, ills., 2015. Typus: *Kidyoo* 1608 (BCU, BKF).
- Crenulluma collenetteae** Plowes, CactusWorld 32(4): 295, ills. (pp. 296-297), 2015. Typus: *Collenette* 5960 (E, SRGH). [Dated Dec. 2014, publ. Feb. 2015.]
- Echidnopsis** Sect. **Pseudopectinaria** (Lavranos) M. G. Gilbert, Nordic J. Bot. 33: 653, 2015. Basionym: *Pseudopectinaria*.
- Echidnopsis** Sect. **Sobolifera** M. G. Gilbert, Nordic J. Bot. 33: 653, 2015. Typus: *Caralluma montana* R. A. Dyer & E. A. Bruce.
- Echidnopsis thulinii** M. G. Gilbert, Nordic J. Bot. 33: 646-647, ills., 2015. Typus: *Thulin* 10789 (K, UPS).
- Eriostemma ramosii** Kloppenburg, Hoya New 3(4): 19-22, ills., 2015. Typus: *Ramos* & *Edano* s.n. (UC 49264).
- Hoya bakoensis** Rodda, PhytoKeys 53: 87-93, ills., 2015. Typus: *Rodda* 1042b (SING, SAR, KEP).
- Hoya capotoanensis** Kloppenburg, Hoya New 4(1): 39-42, ills., 2015. Typus: *Edano* s.n. (PNH 15642).
- Hoya carandangiana** Kloppenburg & Siar, Hoya New 3(4): 8-12, ills., 2015. Typus: *Anonymus* Quezon 3-105 (CAHUP 71845).
- Hoya columna** Kloppenburg, Hoya New 4(1): 17-22, ills., 2015. Typus: CAHUP 41913 ['41193']. [The type citation consists only of the herbarium acronym and the herbarium accession number, without collection details.]
- Hoya edwinofernandoi** Kloppenburg & al., Hoya New 5(2): 22, ills. (pp. 22-27), 2015. Typus: *Cajon* 7099 (CAHUP 72239).
- Hoya fauziana** Rodda & al., Webbia 70(2): 207-210, ills., 2015. Typus: *Lamb* 2462/2013 (SAN, SING).
- Hoya fitoensis** Kloppenburg, Hoya New 5(1): 54, ills. (pp. 54-57), 2015. Typus: *Whistler* 10007 (HAW).
- Hoya galeraensis** Kloppenburg, Hoya New 4(1): 43-46, ills., 2015. Typus: *Juan* s.n. (CAHUP 3312).
- Hoya histora** Kloppenburg, Hoya New 4(1): 3-7, ills., 2015. Typus: CAHUP 5292. [The type citation consists only of the herbarium acronym and herbarium accession number, without collection details.]
- Hoya lambioae** Kloppenburg & al., Hoya New 4(3): 3-9, ills., 2015. Typus: *Lambio* s.n. (CAHUP 71847). [First published in *Fraterna* [e-publication], 7 pp., 2013, and at that place only doubtfully valid under ICN Art. 29.1 (esp. Note 1) because only the ISSN is cited, but no journal title (RPS 64).]
- Hoya lanotooensis** Kloppenburg, Hoya New 5(1): 47, ills. (pp. 47-53), 2015. Typus: *Whistler* 1617 (HAW). [Sphalm. 'lanotooensis'.]
- Hoya leticiae** Kloppenburg & al., Hoya New 5(2): 16, ills. (pp. 16-21), 2015. Typus: *Cajano* & *Hadsall* 7068 (CAHUP 72342).
- Hoya litii** Kloppenburg & al., Hoya New 5(2): 8, ills. (pp. 8-15), 2015. Typus: *Cajano* s.n. (CAHUP 72240).
- Hoya loheri** ssp. **tanawanensis** Kloppenburg & G. Mendoza, Hoya New 5(1): 30, ills. (pp. 30-36), 2015. Typus: *Mendoza* & al. 231 (PNH 254958).
- Hoya marananiae** Kloppenburg & al., Hoya New 3(4): 13-18, ills., 2015. Typus: *Cajano* & *Maranan* 6510 (CAHUP 71841).
- Hoya martinii** Kloppenburg & G. Mendoza, Hoya New 5(1): 3, ills. (pp. 3-9), 2015. Typus: *Mendoza* 4 (PNH 254954).
- Hoya mata-ole-afiensis** Kloppenburg, Hoya New 5(1): 43, ills. (pp. 43-46), 2015. Typus: *Whistler* 2643 (HAW).
- Hoya maximowayettii** Kloppenburg, Hoya New 4(1): 23-27, ills., 2015. Typus: *Wayet* s.n. (CAHUP 5271).
- Hoya navicula** Kloppenburg & G. Mendoza, Hoya New 5(1): 17, ills. (pp. 17-23), 2015. Typus: *Mendoza* 71 (PNH 254956).
- Hoya odorata** ssp. **antoinsensis** Kloppenburg, Hoya New 4(2): 21-24, ills., 2015. Typus: *Briton* s.n. (PNH 19549).
- Hoya odorata** ssp. **garciae** Kloppenburg, Hoya New 4(2): 25-27, ills., 2015. Typus: *Garcia* s.n. (PNH 1024). [Sphalm. 'garci'ai'.]

- Hoya odorata** ssp. **taytayensis** Kloppenburg, Hoya New 4(2): 17-20, ills., 2015. Typus: *Edano* s.n. (PNH 6706).
- Hoya ofuensis** Kloppenburg, Hoya New 4(2): 28-32, ills., 2015. Typus: *Whistler* 8798 (HAW 8798).
- Hoya palawanensis** Kloppenburg, Hoya New 4(3): 10-14, ills., 2015. Typus: CAHUP 5297. [Holotype cited only with the herbarium acronym and herbarium accession number, but without collection details.]
- Hoya palawanensis** ssp. **minor** Kloppenburg, Hoya New 5(2): 3, ills. (pp. 3-7), 2015. Typus: *Anonymus* s.n. (CAHUP 5297). [Sphalm. 'minora'. First used invalidly (the species name was not yet validly published at that time) in l.c. 4(1): 8-12, ills., 2015.]
- Hoya parvapolinia** Kloppenburg & G. Mendoza, Hoya New 5(1): 10, ills. (pp. 10-16), 2015. Typus: *Mendoza* 46 (PNH 254955).
- Hoya rosarioae** Kloppenburg & Siar, Hoya New 4(2): 3-9, ills., 2015. Typus: *Siar* s.n. (CAHUP 5268).
- Hoya rostellata** Kidyoo, *Taiwania* 60(1): 39-42, ills., 2015. Typus: *Kidyoo* 1590 (BCU, BKF).
- Hoya ruthiae** Rodda, *PhytoKeys* 53: 84-87, ills., 2015. Typus: *Kiew* 5029 (SING).
- Hoya santafeensis** Kloppenburg & G. Mendoza, Hoya New 5(1): 24, ills. (pp. 24-29), 2015. Typus: *Mendoza* 179 (PNH 254957).
- Hoya savaiiensis** ssp. **falealupoensis** Kloppenburg, Hoya New 5(1): 58, ills. (pp. 58-64), 2015. Typus: *Whistler* 8232 (HAW).
- Hoya seanwhistleriana** Kloppenburg, Hoya New 4(2): 10-16, ills., 2015. Typus: *Whistler* 10958 (PTBG).
- Hoya sulitii** Kloppenburg, Hoya New 4(1): 47-49, ills., 2015. Typus: *Sulit* 3500 (PNH 10147).
- Hoya tamdaoensis** Rodda & T. B. Tran, *Phytotaxa* 217(3): 288-291, ills., 2015. Typus: *Quoc Binh & al.* VNM-B1465 (SING, HN, VNMN).
- Hoya undulata** S. Rahayu & Rodda, *Gard. Bull. Singapore* 67(1): 86-89, ills., 2015. Typus: *Hasim* s.n. (BO).
- Hoya uplandgrantensis** Kloppenburg, Hoya New 3(4): 3-6, ills., 2015. Typus: CAHUP 5965. [Holotype cited only with the herbarium acronym and herbarium accession number, but without collection details.]
- Hoya velasioi** Kloppenburg, Hoya New 4(1): 35-38, ills., 2015. Typus: *Velasio* s.n. (CAHUP 9136). [Sphalm. 'velasioii'.]
- Hoya velasioi** ssp. **grandiora** Kloppenburg, Hoya New 4(1): 13-16, ills., 2015. Typus: *Pancho* s.n. (CAHUP 18682). [Sphalm. 'velasioii'.]
- Hoya vicencioana** ssp. **quezonensis** Kloppenburg, Hoya New 4(1): 31-34, ills., 2015. Typus: *Hernaes* s.n. (CAHUP 5294).
- Hoya wibergiae** ssp. **alba** Kloppenburg, Hoya New 4(1): 28-30, ills., 2015. Typus: *Edano* s.n. (PNH 14203).
- Hoya williamoliveriana** Kloppenburg & al., Hoya New 5(2): 28, ills. (pp. 28-33), 2015. Typus: *Cajano* 6675 (CAHUP 72000).
- Hoya yingjiangensis** J. F. Zhang & al., *Phytotaxa* 219(3): 284-286, ills., 2015. Typus: *Wu* 20140901 (IBSC).
- Marsdenia mahaweensis** Kloppenburg, Hoya New 5(1): 37, ills. (pp. 37-42), 2015. Typus: *Roll* 204 (PNH 181). [Sphalm. 'Marsdinia'.]
- Rhytidocaulon minimum** (Meve & Collette) T. A. McCoy & Plowes, *Cact. Succ. J. (Los Angeles)* 87(5): 226, ills. (pp. 225-226), 2015. Basionym: *Rhytidocaulon macrolobum* ssp. *minimum*.
- Rhytidocaulon molamatarense** T. A. McCoy & Plowes, *Cact. Succ. J. (Los Angeles)* 87(5): 223-224, ills., 2015. Typus: *McCoy* 1846 (FT).
- Sarcostemma malampayae** Kloppenburg & al., Hoya New 5(2): 34, ills. (pp. 34-40), 2015. Typus: *Cajano* 6975 (CAHUP 32340).
- ×**Stapvalia** D. M. Cumming, *CactusWorld* 33(4): 245, 2015. [= *Stapelia* × *Duvalia*.]
- ×**Stapvalia oskopensis** D. M. Cumming, *CactusWorld* 33(4): 245-246, ills., 2015. Typus: *Cumming* 13442 (GRA). [= *Duvalia caespitosa* (male) × *Stapelia engleriana*.]

ASPARAGACEAE

- Nolinoideae** Eb. Fischer & Mwachala, *Syllabus, ed. 13*, 4: 431, 2015. Typus: *Nolina* Michaux. [Reveal (Index Nom. Supragen. Pl. Vasc., accessed Feb. 2017) erroneously treats *Nolinoideae* Burnett 1835 as being based on *Nolina*, and changes the spelling

accordingly.]

ASPHODELACEAE

- Aloe anodonta** T. A. McCoy & Lavranos, *CactusWorld* 33(3): 180, ill. (pp. 179-181), 2015. Typus: *McCoy* 3420 (FT).
- Aloe lukeana** T. C. Cole, *Cact. Succ. J. (Los Angeles)* 87(4): 156, ill. (pp. 154-157), 2015. Typus: *Luke & al.* 16438 (EA).
- Aloe momccoyae** T. A. McCoy & Lavranos, *Avonia* 33(4): 186, ill. (pp. 184-191), 2015. Typus: *McCoy* 4120 (FT).
- Aloe morijensis** var. **ojonokae** Uleh, *CactusWorld* 33(2): 124, ill. (pp. 123-124), 2015. Typus: *Uleh* 002 (EA).
- Aloe niensiensis** L. E. Newton, *CactusWorld* 33(1): 51-52, ill. (pp. 50-52), 2015. Typus: *Roberts* 55 (EA).
- Aloe nigrimontana** T. A. McCoy & Lavranos, *CactusWorld* 33(3): 183, ill. (pp. 182-184), 2015. Typus: *McCoy* 3112 (FT).
- Aloe zubb** T. A. McCoy & Lavranos, *CactusWorld* 33(1): 31, ill. (pp. 27-34); (2): 122 [erratum], 2015. Typus: *McCoy* 4016 (FT) [Holotype herbarium first indicated as FI and corrected to FT in the erratum].
- Astroloba cremnophila** van Jaarsveld, *Bradleya* 33: 177, ill. (pp. 172-177), 2015. Typus: *van Jaarsveld* 25535 (PRE).
- Bulbine spongiosa** van Jaarsveld, *Bradleya* 33: 158-160, ill. (pp. 157-160), 2015. Typus: *van Jaarsveld & al.* 23410 (NBG).
- Gasteria barbae** van Jaarsveld, *CactusWorld* 32(4): 257, ill. (pp. 257-260), 2015. Typus: *van Jaarsveld & al.* 25246 (NBG). [Dated Dec. 2014, publ. Feb. 2015.]
- Haworthiopsis attenuata** (Haworth) G. D. Rowley, *Alsterworthia* Int. 15(1): 2, 2015. Basionym: *Aloe attenuata*. [First published invalidly (cf. RPS 64, ICN Art. 41.8) in *Alsterworthia* Int. Spec. Issue 10: 4, 2013. Repeated by Breuer, l.c. 16(2): 6, 2016.]
- Haworthiopsis attenuata** var. **glabrata** (Salm-Dyck) G. D. Rowley, *Alsterworthia* Int. 15(1): 2, 2015. Basionym: *Aloe glabrata*. [First published invalidly (cf. RPS 64, ICN Art. 35.1) in *Alsterworthia* Int. Spec. Issue 10: 4, 2013. Repeated by Breuer, l.c. 16(2): 6, 2016.]

- Haworthiopsis attenuata** var. **radula** (Jacquin) G. D. Rowley, *Alsterworthia* Int. 15(1): 2, 2015. Basionym: *Aloe radula*. [First published invalidly (cf. RPS 64, ICN Art. 35.1) in *Alsterworthia* Int. Spec. Issue 10: 4, 2013. Repeated by Breuer, l.c. 16(2): 6, 2016.]
- Tulista** subgen. **Astroloba** (Uitewaal) G. D. Rowley, *Alsterworthia* Int. 15(1): 2, 2015. Basionym: *Astroloba*. [First published invalidly in l.c. 14(3): 3, 2014.]

ASTERACEAE

- Curio muirii** (L. Bolus) van Jaarsveld, *Fl. Pl. Africa* 64: 145, ill. (pp. 144, 146), 2015. Basionym: *Senecio muirii*.
- Emilia blittersdorffii** Beentje, *Kew Bull.* 70(2)-28: 1-4, ill., 2015. Typus: *von Blittersdorff* 41 (K, DSM).
- Kleinia chimanimaniensis** van Jaarsveld, *Bradleya* 33: 122-126, ill., 2015. Typus: *van Jaarsveld* 25444 (SRGH).
- Othonna globosa** Koekemoer, *Fl. Pl. Africa* 64: 150, ill. (pp. 151, 154-155), 2015. Typus: *Koekemoer* 3917 (PRE, NBG).
- Othonna pumilio** Koekemoer, *Fl. Pl. Africa* 64: 156, ill. (pp. 157, 160), 2015. Typus: *Koekemoer* 4301 (PRE, NBG).

BEGONIACEAE

- Begonia moneta** C. I. Peng & al., *Bot. Stud. (Taipei)* 65(2): 2-5, ill., 2015. Typus: *Peng & al.* 22344-A (SNP, A, E, HAST, KEP, SAN, TAIF).

CACTACEAE

- Austrocactus subandinus** E. Sarnes & N. Sarnes, *Kakt. and Sukk.* 66(7): 174, ill. (pp. 171, 173, 175-177), 2015. Typus: *Nyffeler & Egli* 322 (ZSS, B, MERL). [Collection number of the type collection and isotype specimens added from the label

- of the holotype specimen.]
- Aztekium mexicanum** (Glass & Fitz Maurice) Barmon & Corman, *Succulentopia* 15: 10, 2015. Basionym: *Geohintonia mexicana*.
- Cereus xbudapestensis* Janakidisz & Solti, *Kaktusz Vilag* 39(2): 85, ills. (pp. 85-87), 2015. Typus: living in Hort. Eötvös Loránd Univ. Bot. Garden. *Nom. inval.* (ICN Art. 8.4). [= *Cereus spegazzinii* (fa. *haageana*) × *C. jamacaru*.]
- Copiapoa** Sect. **Mammillopoa** Helmut Walter & Larridon, *Amer. J. Bot.* 102(9): 1516, 2015. Typus: *Echinocactus humilis* Philippi.
- Copiapoa** Subsect. **Cinerei** (Doweld) Helmut Walter & Larridon, *Amer. J. Bot.* 102(9): 1516, 2015. Basionym: *Copiapoa* Ser. *Cinerei*.
- Copiapoa armata** (F. Ritter) Helmut Walter & Larridon, *Amer. J. Bot.* 102(9): 1517, 2015. Basionym: *Copiapoa coquimbana* var. *armata*.
- Copiapoa australis** (Hoxey) Helmut Walter & Larridon, *Amer. J. Bot.* 102(9): 1516, 2015. Basionym: *Copiapoa humilis* ssp. *australis*.
- Copiapoa coquimbana** ssp. **rubispina** Piombetti, *Xerophilia* 4(3): 76-77, ills., 2015. Typus: *Piombetti* 930 (PESA).
- Copiapoa longistaminea** ssp. **imperialis** Piombetti, *Xerophilia* 4(3): 78-80, ills., 2015. Typus: *Piombetti* 570 (PESA).
- Corrycactus dillonii** A. Pauca & Quipuscoa, *Arnaldoa* 22(2): 315-319, ills., 2015. Typus: *Pauca & Chavez* 493 (HSP, HUT, USM).
- Coryphantha sneedii** var. **orcuttii** (Bödeker) Gorelick, *J. Bot. Res. Inst. Texas* 9(1): 28, 2015. Basionym: *Escobaria orcuttii*. [Republished l.c. 9(2): 351, 2015, fide IPNI (accessed June 2016). Accepted by IPNI (accessed June 2016) as validly published, but arguably invalid under ICN Art. 36.2 because the same combination is simultaneously also made under *Escobaria sneedii*.]
- Cylindropuntia alcahes** var. **gigantensis** Rebman, *Madroño* 62(1): 47-48, ills., 2015. *Rebman & al.* 1404 (ASU, BCMEX, DES, HCIB). [Name first used invalidly (*nom. inval.*, ICN Art. 39.1, 40.1) by E. F. Anderson, *Cact. Family*, 204, 2001 (see RPS 52).]
- Cylindropuntia alcahes** var. **mcgillii** Rebman, *Madroño* 62(1): 50-51, ills., 2015. Typus: *Rebman & Cota* 1219 (ASU, BCMEX, SD). [Name first used invalidly (*nom. inval.*, ICN Art. 39.1, 40.1) by E. F. Anderson, *Cact. Family*, 204, 2001 (see RPS 52).]
- Cylindropuntia cedrosensis** Rebman, *Madroño* 62(1): 53-54, ills., 2015. Typus: *Rebman & al.* 2495 (ASU, BCMEX, SD). [Name first used invalidly (*nom. inval.*, ICN Art. 39.1, 40.1) by E. F. Anderson, *Cact. Family*, 207, 2001 (see RPS 52).]
- Cylindropuntia ganderi** var. **catavinensis** Rebman, *Madroño* 62(1): 55-56, ills., 2015. Typus: *Rebman & Davis* 1723 (ASU, BCMEX, SD). [Name first used invalidly (*nom. inval.*, ICN Art. 39.1, 40.1) by E. F. Anderson, *Cact. Family*, 208-209, ills., 2001 (see RPS 52).]
- Cylindropuntia libertadensis** Rebman, *Madroño* 62(1): 58-60, ills., 2015. Typus: *Rebman* 17276 (SD, BCMEX, HCIB).
- Cylindropuntia waltoniorum** Rebman, *Madroño* 62(1): 60-62, ills., 2015. Typus: *Moran* 8160 (SD, CAS).
- Discocactus zehntneri** ssp. **petr-halfarii** (M. Zachar) M. R. Santos & M. C. Machado, *Phytotaxa* 207(2): 209, ills. (pp. 210-211), 2015. Basionym: *Discocactus petr-halfarii*.
- Echinocereus** Sect. **Scheeria** W. Blum & Mich. Lange, *Echinocereenfreund* 28(Sonderausgabe): 10, 2015. Typus: *Cereus scheeri* Salm-Dyck.
- Echinocereus bakeri** W. Blum & al., *Cact.-Avent. Int.* 106-107: 22-25, ills. (pp. 22-23, 27-30), 2015. Typus: *Baker* 13930 (ASU, US).
- Echinocereus coccineus** ssp. **transpecosensis** W. Blum & al., *Cact. Explorer* 14: 59, ills. (pp. 52-56, 59-61), 2015. Typus: *Powell & Powell* 6240 (SRSC). [German version of the paper see *Kaktusblüte* 2016: 16, 2016.]
- Echinocereus gurneyi** (L. D. Benson) W. Blum & al., *Cact.-Avent. Int.* 105: 33, 2015. Basionym: *Echinocereus triglochidiatus* var. *gurneyi*.
- Echinocereus occidentalis** ssp. **breckwoldtiorum** De-Nova & al., *Xerophilia Spec. Issue* 7.1: 4, ills. (pp. 5-11), 2015. Typus: *De-Nova* 690 (SLPM 051253). [Also published as Special issue 7.2 as a 3-language combined "interactive pdf" version.]
- Echinocereus stramineus** ssp. **conglomeratus** (C. F. Förster ex K. Schumann) W. Blum, *Xerophilia Spec. Issue* 7.1: 16, ills. pp. 19-20, 2015. Basionym: *Echinocereus conglomeratus*. [Also published as Special issue 7.2 as a 3-language combined "interactive

pdf" version.]

- Echinopsis** Sect. **Arthrocerus** (A. Berger) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Arthrocerus*.
- Echinopsis** Sect. **Cleistocactus** (Lemaire) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Cleistocactus*.
- Echinopsis** Sect. **Denmoza** (Britton & Rose) Molinari & Mayta, Succulentopia 14: 12, 2015. Basionym: *Denmoza*.
- Echinopsis** Sect. **Harrisia** (Britton) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Harrisia*.
- Echinopsis** Sect. **Helianthocereus** (Backeberg) Mayta & Molinari, Succulentopia 14: 12, 2015. Basionym: *Helianthocereus*.
- Echinopsis** Sect. **Leucostele** (Backeberg) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Leucostele*.
- Echinopsis** Sect. **Reicheocactus** (Backeberg) Molinari & Mayta, Succulentopia 14: 12, 2015. Basionym: *Reicheocactus*. [The name is simply given and flagged as "autonyme" (of the simultaneously published subgen. *Reicheocactus*, but autonyms are only created for the typical infrageneric names), but the basionym is cited.]
- Echinopsis** Sect. **Succulentopia** Molinari & Mayta, Succulentopia 14: 12, 2015. Typus: *Echinopsis bridgesii* Salm-Dyck.
- Echinopsis** Sect. **Trichocereus** (A. Berger) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Cereus* subgen. *Trichocereus*. [The name is simply given and flagged as "autonyme" (of the simultaneously published subgen. *Trichocereus*, but autonyms are only created for the typical infrageneric names), but the basionym is cited.]
- Echinopsis** subgen. **Mila** (Britton & Rose) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Mila*.
- Echinopsis** subgen. **Reicheocactus** (Backeberg) Molinari & Mayta, Succulentopia 14: 12, 2015. Basionym: *Reicheocactus*.
- Echinopsis** subgen. **Trichocereus** (A. Berger) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Cereus* subgen. *Trichocereus*.
- Echinopsis acanthura** (Vaupel) Molinari, Succulentopia 13: 18, 2013. Basionym: *Cereus acanthurus*.
- Echinopsis acanthura** ssp. **canetensis** (Rauh & Backeberg) Molinari, Succulentopia 13: 18, 2015. Basionym: *Loxanthocereus canetensis*.
- Echinopsis acanthura** ssp. **faustiana** (Backeberg) Molinari & Mayta, Succulentopia 14: 19, 2015. Basionym: *Borzicactus faustianus*.
- Echinopsis acanthura** ssp. **pullata** (Rauh & Backeberg) Molinari, Succulentopia 13: 18, 2015. Basionym: *Loxanthocereus pullatus*.
- Echinopsis** ×**albisetata** (Akers) Molinari, Succulentopia 13: 19, 2015. Basionym: *Peruvocereus albisetatus*.
- Echinopsis anceschiana** Molinari & Mayta, Succulentopia 14: 19, 2015. Typus: *Akers* s.n. (ZSS [status ?]) [Ex cult. A. Buining.]. [Nom. nov. pro *Matucana mirabilis* Buining 1963 (non *Echinopsis mirabilis* Spegazzini 1905).]
- Echinopsis bylesiana** (Andreae & Backeberg) Mayta, Succulentopia 14: 14, 2015. Basionym: *Pygmaeocereus bylesianus*.
- Echinopsis ceroniana** Molinari & Mayta, Succulentopia 14: 19, 2015. Typus: *Weberbauer* 3846 (B). [Nom. nov. pro *Echinocactus aurantiacus* Vaupel 1913 (non *Echinopsis aurantiaca* (Rausch) H. Friedrich & G. D. Rowley 1974).]
- Echinopsis churinensis** (F. Ritter) Molinari, Succulentopia 13: 19, 2015. Basionym: *Weberbauerocereus churinensis*.
- Echinopsis** ×**climaxantha** (Werdermann) Molinari & Mayta, Succulentopia 14: 19, 2015. Basionym: *Binghamia climaxantha*.
- Echinopsis decumbens** (Vaupel) Mayta, Succulentopia 14: 14, 2015. Basionym: *Cereus decumbens*.
- Echinopsis erectispina** (Rauh & Backeberg) Molinari, Succulentopia 13: 19, 2015. Basionym: *Loxanthocereus erectispinus*.
- Echinopsis erigens** (Rauh & Backeberg) Molinari, Succulentopia 13: 19, 2015. Basionym: *Loxanthocereus erigens*.
- Echinopsis familiaris** (F. Ritter) Mayta & Molinari, Succulentopia 14: 14, 2015. Basionym: *Pygmaeocereus familiaris*.
- Echinopsis fieldiana** (Britton & Rose) Molinari, Succulentopia 13: 19, 2015. Basionym: *Borzicactus fieldianus*.
- Echinopsis fieldiana** ssp. **tessellata** (Akers & Buining) Molinari & Mayta, Succulentopia 14: 19, 2015. Basionym: *Borzicactus tessellata*.

latus.

- Echinopsis glaziovii** (K. Schumann) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Cereus glaziovii*.
- Echinopsis gracilis** (Miller) Molinari & Mayta, Succulentopia 14: 11, 2015. Basionym: *Cereus gracilis*.
- Echinopsis hadriatica** Molinari & Mayta, Succulentopia 14: 19, 2015. Typus: *Anonymus (Akers?)* s.n. (not located). [*Nom. nov. pro Peruvocereus albispinus* Akers 1948 (non *Echinopsis albispina* hort. ex K. Schumann 1903).]
- Echinopsis haynei** (Otto ex Salm-Dyck) Molinari, Succulentopia 13: 19, 2015. Basionym: *Echinocactus haynei*.
- Echinopsis hoffmannii** (G. Charles) Molinari, Succulentopia 13: 19, 2015. Basionym: *Cleistocactus hoffmannii*.
- Echinopsis johnsonii** (F. Ritter) Molinari & Mayta, Succulentopia 14: 20, 2015. Basionym: *Weberbauerocereus johnsonii*.
- Echinopsis kellyana** Mayta, Succulentopia 14: 14, 2015. [*Nom. nov. pro Borzicactus jajoanus* Backeberg 1936 (non *Echinopsis jajoana* (Backeberg) hort. ex Blossfeld 1938).]
- Echinopsis lanugispina** (F. Ritter) Molinari & Mayta, Succulentopia 14: 20, 2015. Basionym: *Haageocereus lanugispinus*.
- Echinopsis limensis** (Salm-Dyck) Molinari, Succulentopia 13: 19, 2015. Basionym: *Cereus limensis*.
- Echinopsis limensis** ssp. *backebergii* (N. Calderón) Molinari & Mayta, Succulentopia 13: 19, 2015. Basionym: *Haageocereus acranthus* ssp. *backebergii*.
- Echinopsis magliana** Mayta & Molinari, Succulentopia 14: 14, 2015. Typus: Ritter 187 loc. 1 (U, SGO, ZSS) [Type (for the replaced synonym) cited for U by F. Ritter, Kakt. Südamer. 1: iii, 1979.]. [*Nom. nov. pro Haageocereus chalaensis* F. Ritter 1981 (non *Echinopsis chalaensis* (Rauh & Backeberg) H. Friedrich & G. D. Rowley 1974).]
- Echinopsis maytana** Molinari, Succulentopia 13: 19, 2015. Typus: *Rose* 18555 (US?). [*Nom. nov. pro Mila caespitosa* Britton & Rose (non *Echinopsis caespitosa* J. A. Purpus 1917).]
- Echinopsis melanostele** (Vaupel) Molinari, Succulentopia 13: 19, 2015. Basionym: *Cephalocereus melanostele*.
- Echinopsis morawetziana** (Backeberg) Molinari, Succulentopia 13: 19, 2015. Basionym: *Cleistocactus morawetzianus*.
- Echinopsis multangularis** (Haworth) Molinari, Succulentopia 13: 19, 2015. Basionym: *Cereus multangularis*.
- Echinopsis pachyclada** (Rauh & Backeberg) Molinari, Succulentopia 13: 19, 2015. Basionym: *Loxanthocereus pachycladus*.
- Echinopsis peculiaris** (Rauh & Backeberg) Molinari, Succulentopia 14: 20, 2015. Basionym: *Loxanthocereus peculiaris*.
- Echinopsis plagiostoma** (Vaupel) Molinari & Mayta, Succulentopia 14: 20, 2015. Basionym: *Cereus plagiostoma*.
- Echinopsis pluriflora** (Rauh & Backeberg) Mayta, Succulentopia 14: 15, 2015. Basionym: *Haageocereus pluriflorus*.
- Echinopsis rauhii** (Backeberg) Mayta, Succulentopia 14: 15, 2015. Basionym: *Weberbauerocereus rauhii*.
- Echinopsis rommyana** Molinari, Succulentopia 13: 19, 2015. Typus: [lecto – icono]: Backeberg, Blätt. Kakt.-forsch. 1934(11): [2] genus 72, sp. 2, 1934 [Lectotype designated by Molinari, Succulentopia 13: 19, 2015.]. [*Nom. nov. pro Mila nealeana* Backeberg 1934 (non *Echinopsis nealeana* (Backeberg) H. Friedrich 1974).]
- Echinopsis serpens** (Kunth) Molinari, Succulentopia 13: 19, 2015. Basionym: *Cactus serpens*.
- Echinopsis sextoniana** (Backeberg) Mayta, Succulentopia 14: 15, 2015. Basionym: *Erdisia sextoniana*.
- Echinopsis subtilispina** (F. Ritter) Mayta, Succulentopia 14: 15, 2015. Basionym: *Haageocereus subtilispinus*.
- Echinopsis tenuis** (F. Ritter) Molinari, Succulentopia 13: 19, 2015. Basionym: *Haageocereus tenuis*.
- Echinopsis urbis-regium** Molinari & Mayta, Succulentopia 14: 20, 2015. Typus: *Weberbauer* s.n. (B). [*Sphalm. 'urbis-regum'*. *Nom. nov. pro Echinocactus peruvianus* K. Schumann 1903 (non *Echinopsis peruviana* (Britton & Rose) H. Friedrich & G. D. Rowley 1974).]
- Echinopsis vulpes** (F. Ritter) Molinari, Succulentopia 13: 19, 2015. Basionym: *Haageocereus vulpes*.

- Echinopsis winteriana** (F. Ritter) Molinari & Mayta, *Succulentopia* 14: 20, 2015. Basionym: *Weberbauerocereus winterianus*.
- Echinopsis xylorhiza** (F. Ritter) Molinari, *Succulentopia* 13: 19, 2015. Basionym: *Loxanthocereus xylorhizus*.
- Escobaria sneedii* var. *orcuttii* (Bödeker) Gorelick, *J. Bot. Res. Inst. Texas* 9(1): 28, 2015. *Nom. inval.* (ICN Art. 36.1a), based on *Escobaria orcuttii*. [Arguably invalid under ICN Art. 36.2 (rather than ICN Art. 36.1a as interpreted by IPNI [accessed June 2016] because the same combination is simultaneously also made under *Coryphantha sneedii*. Even though the author argues for accepting *Coryphantha* and include *Escobaria* as synonym, the 2 combinations are published side by side, with equal typography, with the statement "this requires the following two new combinations, the choice of which depends on whether or not you consider *Escobaria* to be a separate genus".]
- Gymnocalycium** Sect. **Chiquitana** Milt, *Cactaceae* etc. 25(4): 150, 2015. Typus: *Gymnocalycium chiquitanum* Cárdenas. Name first used invalidly by Rogatskin, *Rod Gymnocalycium*, 141, 2005 (ICBN Art. 33.3, 36.1, cf. RPS 56).
- Gymnocalycium amerhauseri* var. *rosae* (H. Till) Milt, *Cactaceae* etc. 25(3): 116, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Gymnocalycium rosae*.
- Gymnocalycium airtigas** var. *roseiflorum* (Y. Ito) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium uruguayense* var. *roseiflorum*.
- Gymnocalycium baldianum** var. *raineri* (H. Till) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium raineri*.
- Gymnocalycium baldianum** var. *schreiteri* (H. Till) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium schreiteri*.
- Gymnocalycium berchtii** var. *nataliae* (Neuhuber) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium nataliae*.
- Gymnocalycium bruchii** var. *albispinum* (Backeberg) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium albispinum*.
- Gymnocalycium bruchii** var. *papschii* (H. Till) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium papschii*.
- Gymnocalycium campestre** Repka, *Novon* 24(3): 281, *ills.* (p. 285), 2015. Typus: *Repka* 681 (CORD).
- Gymnocalycium capillense** var. *gaponii* (Neuhuber) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium gaponii*.
- Gymnocalycium intertextum* var. *moserianum* (Schütz) Milt, *Cactaceae* etc. 25(3): 116, 2015. *Nom. inval.*, based on *Gymnocalycium moserianum*, *nom. inval.* (Art. 37.1).
- Gymnocalycium mendozaense** C. A. L. Bercht & Schädlich, *Gymnocalycium* 28(3): 1177-1179, *ills.* (pp. 1176-1182), 2015. Typus: *Schädlich* 606 (WU).
- Gymnocalycium millaresii* var. *dorisiae* (Amerhauser) Milt, *Cactaceae* etc. 25(3): 116, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Gymnocalycium pflanzii* ssp. *dorisiae*.
- Gymnocalycium monvillei* var. *villamercedense* (Ritter ex H. Till & Neuhuber) Milt, *Cactaceae* etc. 25(3): 116, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Gymnocalycium monvillei* fa. *villamercedense*.
- Gymnocalycium parvulum** var. *walteri* (H. Till) Milt, *Cactaceae* etc. 25(3): 116, 2015. Basionym: *Gymnocalycium walteri*.
- Gymnocalycium piltziorum* (H. Till & W. Till) Milt, *Cactaceae* etc. 25(3): 115, 116, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Gymnocalycium riojense* ssp. *piltziorum*.
- Gymnocalycium platense** ssp. *paucicostatum* (R. Kiesling) Papsch, *Schütziana* 6(3): 8, 2015. Basionym: *Gymnocalycium schroederianum* ssp. *paucicostatum*.
- Gymnocalycium platense** ssp. *schroederianum* (Osten) Papsch, *Schütziana* 6(3): 8, 2015. Basionym: *Gymnocalycium schroederianum*.
- Gymnocalycium pugionacanthum* var. *montanum* (H. Till & W. Till) Milt, *Cactaceae* etc. 25(3): 116, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Gymnocalycium catamarcense* fa. *montanum*.
- Gymnocalycium schmidianum** (H. Till & W. Till) Meregalli & Kulhánek, *Schütziana* 6(1): 7, 2015. Basionym: *Gymnocalycium catamarcense* ssp. *schmidianum*.
- Gymnocalycium schmidianum** ssp. *asperum* Meregalli & Kulhánek, *Schütziana* 6(1): 22-25, *ills.*, 2015. Typus: *Meregalli & Funetta* 1297 (TO-HG).

- Gymnocalycium sutterianum** ssp. **arachnispinum** Repka, *Novon* 24(3): 274-276, ills., 2015. Typus: *Repka* 449 (CORD).
- Gymnocalycium sutterianum** ssp. **dolezalii** (Halda & Milt) Repka, *Novon* 24(3): 277, 2015. Basionym: *Gymnocalycium poeschlii* ssp. *dolezalii*.
- Heliocereus lodei** (Véliz & al.) Véliz, *Cact.-Avent.* Int. 105: 33, 2015. Basionym: *Disocactus lodei*.
- Leuenbergerioideae** Mayta & Molinari-Novoa, *Succulentopia* 12: 6, 2015. Typus: *Leuenbergeria* Lodé.
- Lobivia tiegeliana** var. **borealis** Diers & Jucker, *Echinopsean* 12(2): 59-60, ills. (pp. 57, 63-64, 66-68), 2015. Typus: *Jucker* 1243 (LPB, WU).
- Mammillaria beneckeii** ssp. **balsasoides** (R. T. Craig) Lodé, *Cact.-Avent.* Int. 106-107: 35, 2015. Basionym: *Mammillaria balsasoides*.
- Micranthocereus oliveirae** P. J. Braun, *Kakt. and. Sukk.* 66(12): 314, ills. (pp. 314-316), 2015. Typus: *Oliveira* s.n. (UB).
- Monvillea phatnosperma** var. **arenasii** Oakley & R. Kiesling, *Bol. Soc. Argent. Bot.* 50(2): 251-252, ills. (p. 250), 2015. Typus: *Fernandez Casas & Molero* 4468 (G, M). [Replacement name for *Monvillea kroenleinii* R. Kiesling 1994 (*nom. inval.*, ICN Art. 40.1).]
- Mortolopuntia** Guiggi, *Cactology* 5 (Suppl. I): 1, 2015. Typus: *Opuntia schickendantzii* F. A. C. Weber. [Repeated in *Iconogr. Cat. Cact. Cult. Hanbury Bot. Gard.*, 43-44, 2016.]
- Mortolopuntia schickendantzii** (F. A. C. Weber) Guiggi, *Cactology* 5 (Suppl. I): 1, 2015. Basionym: *Opuntia schickendantzii*. [Repeated in *Iconogr. Cat. Cact. Cult. Hanbury Bot. Gard.*, 44, 2016.]
- Opuntia clarkiorum** Rebman, *Madroño* 62(1): 63-64, ills., 2015. Typus: *Moran & Villarreal* 5329 (SD, ASU, BCMEX).
- Opuntia delafuentiana** Martínez-González & al., *Phytotaxa* 231(3): 233-235, ills., 2015. Typus: *Martínez-González* 4 (MEXU, ARIZ, CHAPA, MO).
- Opuntia erinacea** var. **woodburyi** (W. H. Earle) S. L. Welsh, *Utah Fl.*, ed. 5, 83, 2015. Basionym: *Opuntia basilaris* var. *woodburyi*. [Cited from IPNI (accessed Feb. 2017).]
- Opuntia leiascheinvariana** Martínez-González & Gallegos, *Bot. Sci.* 93(3): 519-522, ills., 2015. Typus: *Martínez-González* 5 (MEXU, ARIZ, CHAPA, MO).
- Opuntia perotensis** Scheinvar & al., *Bot. Sci.* 93(1): 34-36, ills., 2015. Typus: *Moreno-Hernández & al.* 29 (MEXU, CIB).
- Parodia larapuntensis** Diers & Jucker, *Succulenta* (Netherlands) 94(3): 116, ills. (pp. 117-123), 2015. Typus: *Jucker* 1130 (LPB, WU).
- Parodia rosarioana** Diers & al., *Kakt. and. Sukk.* 66(11): 282-283, ills. (pp. 283-286), 2015. Typus: *Krahn* 1035 (LPB, WU).
- ×**Soehrenopsis** Ficzer & L. Fabián, *Debreceni Pozsgás-Tár* 18(2): 5, 2015. [= *Soehrensia* × *Echinopsis*.]
- ×**Soehrenopsis hungarica** Ficzer, *Debreceni Pozsgás-Tár* 18(2): 6, 2015. *Nom. inval.* (ICN Art. 32.4). [Sphalm. 'hungaricus'. Published as *nom. nov.* but without description or full and direct reference to the replaced synonym.]
- Strophocactus wittii** ssp. **erici** Kramm, *Kakt. and. Sukk.* 66(5): 118, ills. (pp. 115-120), 2015. Typus: *Kramm* 12-01 (MSTR).
- Sulcorebutia arenacea** var. **densispina** Gertel & Jucker, *Succulenta* (Netherlands) 94(1): 34-44, ills.; (3): 73 [erratum], 2015. Typus: *Jucker* 1289 (LPB, WU) [Type herbarium citation corrected in the erratum, first wrongly given as ZSS.].
- Sulcorebutia breviflora** var. **haseltonii** (Cárdenas) Diers *ex* Gertel, *Gymnocalycium* 28(3): 1170, ill., 2015. Basionym: *Rebutia haseltonii*. [First published invalidly (ICN Art. 41.5) by Diers, *Kakt. and. Sukk.* 42(4): 98, 1991, and erroneously shown as valid name in RPS 42, but the complete page range of the whole paper was cited, which is contrary to ICN 45.1 Note 1.]
- Sulcorebutia crispata** ssp. **rebutioides** P. Lechner, *Succulenta* (Netherlands) 93(3): 86, ills. (pp. 86-88), 2015. Typus: *Lechner* 20.037 (LPB, WU).
- Sulcorebutia gemmae** ssp. **naunacaensis** (J. de Vries) Gertel, *Gymnocalycium* 28(3): 1169, ill., 2015. Basionym: *Sulcorebutia naunacaensis*.
- Sulcorebutia gemmae** var. **elizabethae** (J. de Vries) Gertel, *Gymnocalycium* 28(3): 1169, ill., 2015. Basionym: *Sulcorebutia elizabethae*.

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Sulcorebutia gemmae var. **naunacaensis** (J. de Vries) Gertel, *Gymnocalycium* 28(3): 1169, ill., 2015. Basionym: *Sulcorebutia naunacaensis*.

Sulcorebutia hertusii ssp. **patriciae** (B. Bates & al.) Slaba, *Kaktusy* (Brno) 51(4): 118, ill. (pp. 116-118), 2015. Basionym: *Sulcorebutia tarabucoensis* ssp. *patriciae*.

Sulcorebutia mentosa ssp. **cylindrica** (Donald & A. B. Lau) Gertel, *Gymnocalycium* 28(3): 1167, ill., 2015. Basionym: *Sulcorebutia cylindrica*.

Sulcorebutia mentosa var. **albissima** (F. H. Brandt) Gertel, *Gymnocalycium* 28(3): 1166, ill., 2015. Basionym: *Weingartia albissima*.

Sulcorebutia mentosa var. **crucensis** (Donald ex Gertel) Gertel, *Gymnocalycium* 28(3): 1167, ill., 2015. Basionym: *Sulcorebutia cylindrica* var. *crucensis*.

Sulcorebutia mentosa var. **cylindrica** (Donald & A. B. Lau) Gertel, *Gymnocalycium* 28(3): 1167, ill., 2015. Basionym: *Sulcorebutia cylindrica*.

Sulcorebutia purpurea var. **santiaginiensis** (Rausch) Gertel, *Gymnocalycium* 28(3): 1167, ill. (p. 1168), 2015. Basionym: *Sulcorebutia santiaginiensis*.

Tacinga estevesii (P. J. Braun) P. J. Braun, *Kakt. and. Sukk.* 66(8): 200, ill., 2015. Basionym: *Opuntia estevesii*.

Tephrocactus rossianus (W. Heinrich & Backeberg) H. Middleditch, *Chileans* 23(73): 19, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Tephrocactus pentlandii* var. *rossianus*. [Dated 2014, received at ZSS 23. 3. 2015.]

Turbincarpus heliae García-Morales & al., *Xerophilia Spec. Issue* 8.1: 3-4, ill. (pp. 5-8), 2015. Typus: *García-Morales* 3398 (ITCV, GBH). [Also published as Special issue 8.2 as a 3-language combined "interactive pdf" version.]

Weingartia sanpedroensis Pot & Gentili, *Succulenta* (Netherlands) 94(4): 175, ill. (pp. 171-173, 176-178), 2015. Typus: *Pot & van Boxel* 319 (Fl).

Weingartia spectabilis Diers & Jucker, *Gymnocalycium* 28(2): 1157-1159, ill. (pp. 1157-1164), 2015. Typus: *Jucker* 1195 (LPB, WU).

Aeonium ×**aureozoon** (Bramwell & G. D. Rowley) Mottram, *Crassulacea* 4: 7, 2015. Basionym: *Greenovia* ×*aureozoon*.

Aeonium ×**bravoanum** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 43: 190-191, 2015. Typus: *Ríos* 19951 (TFC) [Type given as "neotypus", correctable under ICN 9.9.]. [= *Aeonium castello-paivae* × *A. viscatum*. First invalidly (ICBN Art. H10.1, 37, but included as valid in RPS 24) by Bramwell & G. D. Rowley in *Nation. Cact. Succ. J.* 28(1): 5, 1973, and also invalidly published by Heath (*Calyx* 2(2): 55, 1992, violating ICBN Art. 36.1 since no direct reference to an earlier published Latin diagnosis is provided, and changing the epithet to 'bravanum').]

Aeonium ×**castelloplanum** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 43: 191, 2015. Typus: *Bañares* 19943 (TFC) [Type incorrectly given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium castello-paivae* × *A. canariense* ssp. *latifolium* (treated as *A. subplanum* by Praeger). First published invalidly (ICBN Art. H10.1, 37, but included as valid in RPS 24) by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again invalidly published (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 58, 1992.]

Aeonium ×**floribundum** Bañares, *Vieraea* 43: 191-192, ill. (figs. 1, 6), 2015. Based on *Bañares* 48695. *Nom. illeg.* (Art. 53.1). [= *Aeonium ciliatum* × *A. volkeri*. *Non Aeonium* × *floribundum* A. Berger 1930.]

Aeonium ×**hornemannii** Bañares, *Vieraea* 43: 192-193, ill. (figs. 2, 6), 2015. Typus: *Bañares* 48696 (TFC). [= *Aeonium pseud-arbicum* × *A. arbicum*.]

Aeonium ×**jacobsenii** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 43: 193, 2015. Typus: *Bañares* 19942 (TFC) [Type erroneously given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium hierrense* × *A. canariense* ssp. *christii* (treated as *A. palmense* by Praeger). First published invalidly (ICBN Art. H10.1, 37, but included as valid in RPS 24) by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again invalidly (ICBN Art. 36.1)

- by P. V. Heath (Calyx 2(2): 58, 1992). The type herbarium is cryptically indicated in the abstract on p. 189.]
- Aeonium** × **junonae** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 43: 193-194, 2015. Typus: *Bañares & Nogales* 19940 (TFC) [Type erroneously given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium ciliatum* × *A. palmense*. First published invalidly (ICBN Art. H10.1, 37, but included as valid in RPS 24) as *A. junoniae* by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again invalidly (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 58, 1992.]
- Aeonium** **nogalesii** nssp. **dasyphyllum** (Bañares & Macarrón ex Bañares) Bañares, *Pl. Suc. (Crassulaceae) Endem. Islas Canarias*, 178, ill., 2015. Basionym: *Aeonium* × *nogalesii* nvar. *dasyphyllum*.
- Aeonium** × **puberulum** Bañares & A. Acevedo-Rodríguez, *Vieraea* 43: 194-195, figs. 3, 6, 2015. Typus: *Bañares* 48693 (TFC). [= *Aeonium decorum* var. *decorum* × *A. sedifolium*.]
- Aeonium** × **rowleyi** Bramwell ex Bañares, *Vieraea* 43: 195, 2015. Typus: *Mesa* 37977 (TFC) [Type erroneously given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium smithii* × *A. spathulatum*. First published invalidly (ICBN Art. H10.1, 37, but included as valid in RPS 24) by Bramwell, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again published invalidly (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 57, 1992.]
- Aeonium** × **sanctisebastiani** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 43: 195, 2015. Typus: *Bañares & Fernández López* 48699 (TFC) [Typus erroneously given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium saundersii* × *A. canariense* ssp. *latifolium* (given as *A. subplanum* by the authors cited below). First published invalidly (sphalm. "sanctisebastianii") (ICBN Art. H10.1, 37, but included as valid in RPS 24) by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again invalidly published (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 58, 1992.]
- Aeonium** × **santosianum** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 43: 195, 2015. Typus: *Bañares & Nogales* 19939 (TFC) [Typus erroneously given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium goochiae* × *A. canariense* ssp. *christii* (given as *A. palmense* by the authors cited below). First invalidly published (ICBN Art. H10.1, 37, but included as valid in RPS 24) by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again published invalidly (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 58, 1992.]
- Aeonium** × **tabulicum** Bramwell & G. D. Rowley ex Bañares, *Vieraea* 45: 196, 2015. Typus: *Bañares* 48698 (TFC) [Type erroneously given as "neotypus", correctable under ICN Art. 9.9.]. [= *Aeonium tabuliforme* × *A. urbicum*. First published invalidly (ICBN Art. H10.1, 37, but erroneously included as valid in RPS 24) by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again invalidly published (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 58, 1992.]
- Aeonium** × **tamaimense** Bañares, *Vieraea* 45: 196, figs. 4, 6, 2015. Typus: *Bañares* 48701 (TFC). [= *Aeonium sedifolium* × *A. urbicum* var. *meridionale*.]
- Aeonium* × *tenense* Bramwell & G. D. Rowley ex Bañares, *Vieraea* 45: 197, 2015. Based on *Bañares* 48697. *Nom. illeg.* (ICN Art. 52.1). [= *Aeonium pseudurbicum* × *A. haworthii*, based on the hybrid '*A. haworthii* × *A. ciliatum*' by Praeger 1929. First published invalidly (as 'tenensis') under ICBN Art. H10.1, 37 (but erroneously included as valid in RPS 24) by Bramwell & G. D. Rowley, *Nation. Cact. Succ. J.* 28(1): 5, 1973, and again published invalidly (ICBN Art. 36.1) by P. V. Heath, *Calyx* 2(2): 57, 1992. Illegitimate vs. *Aeonium* × *pseudohawbicum* Bañares 1996 (1997?).]
- Aeonium** × **uhlilii** G. Tavormina & S. Tavormina ex Mottram, *Crassulacea* 4: 34, ill. (p. 36), 2015. Typus: *Gillie* s.n. in *Uhl* U716 (BH). [= *Aeonium aureum* × *A. diplocyclum*. First published invalidly (ICBN Art. 37.1) by G. & S. Tavormina, *Piante Grasse* 26(2): 49, 2006 (cf. RPS 57).]
- Aeonium urbicum** ssp. **meridionale** (Bañares) Bañares, *Willdenowia* 45(3): 452, 2015. Basionym: *Aeonium urbicum* var. *meridionale*.
- Aichryson** × **buchii** Bañares, *Vieraea* 45: 198, figs. 5, 6, 2015. Typus: *Bañares* 48694 (TFC). [= *Aichryson bollei* × *A. pachycaulon* ssp. *parviflorum*.]

- Aichryson laxum** ssp. **latipetalum** (Bañares & M. Marrero) Bañares, Willdenowia 45(3): 453, 2015. Basionym: *Aichryson laxum* var. *latipetalum*.
- Aichryson santamariensis** M. Moura & al., Phytotaxa 234(1): 45-47, ills., 2015. Typus: Moura AI-MAAG-3 (AZB, AZB).
- Aichryson tortuosum** ssp. **bethencourtianum** (Bolle) Bañares, Willdenowia 45(3): 454, 2015. Basionym: *Aichryson bethencourtianum*.
- Cotyledon gloephylla** van Jaarsveld, Bradleya 33: 183, ills. (pp. 181-183), 2015. Typus: van Jaarsveld 15965 (PRE).
- Cotyledon lutea* van Jaarsveld, Haseltonia 21: 92-94, ills., 2015. Based on van Jaarsveld & Gildenhuis 11273. *Nom. illeg.* (ICN Art. 53.1). [*Non Cotyledon lutea* Hudson 1778 nec hort. ex Lamarck 1786.]
- Cotyledon petiolaris** van Jaarsveld, Bradleya 33: 24-25, ills. (pp. 22, 24-25), 2015. Typus: van Jaarsveld & Emms 16628 (PRE).
- Cotyledon woodii** ssp. **cremnophila** van Jaarsveld, Haseltonia 21: 78-79, ills., 2015. Typus: van Jaarsveld 17864 (PRE, NBG).
- Crassula calcarea** N. Jacobsen, Aloe 51(2): 39, ills., 2015. Typus: Jacobsen 6606 (PRE). [Dated 2014, received July 2015.]
- Crassula montana** ssp. **borealis** van Jaarsveld, Haseltonia 21: 99-101, ills., 2015. Typus: van Jaarsveld 22321 (NBG).
- Crassula quadrifaria** N. Jacobsen, Aloe 51(2): 38, ills., 2015. Typus: Jacobsen 6624 (PRE). [Dated 2014, received July 2015.]
- Crassula quadrifaria** ssp. **coegensis** N. Jacobsen, Aloe 51(2): 39, ills., 2015. Typus: Jacobsen 6562 (PRE). [Dated 2014, received July 2015.]
- Cremonophila tlahuicana** Reyes & al., Cact. Suc. Mex. 60(1): 22-23, ills. (pp. 20-21, 24-25), 2015. Typus: Reyes & al. 5677 (MEXU).
- Echeveria longissima** ssp. **brachyantha** J. Reyes & al., Haseltonia 21: 81-82, ills., 2015. Typus: Reyes & Brachet 5593 (MEXU).
- Echeveria nuyoensis** J. Reyes & Islas, Haseltonia 21: 83-85, ills., 2015. Typus: Reyes 6069 (MEXU).
- Echeveria rulfiana** Jimeno-Sevilla & al., Acta Bot. Mex. 110: 72-76, ills., 2015. Typus: Jimeno S. & al. 1336 (IEB, IBUG, MEXU, XAL, ZEA).
- Echeveria triquiana** J. Reyes & Brachet, Haseltonia 21: 87-88, ills., 2015. Typus: Reyes & Brachet 5614 (MEXU).
- Echeveria uhlii** ssp. **coelestis** J. Reyes & L. G. López, Haseltonia 21: 89-90, ills., 2015. Typus: Reyes & Moreno 3611-A (MEXU).
- Petrosedum albescens** Afferni, Newslett. Sedum Soc. 114: 109, 2015. Typus: *De Philip-pis* s.n. (FI 001711). [Given as *nom. nov. pro Sedum albescens* Gussone 1842 (*nom. illeg.*, ICN Art. 53.1, *non Sedum albescens* Haworth 1821), but the name attributed to Gussone is in fact referring to the 1821 Haworth name. Since the name *S. ochroleucum* ssp. *mediterraneum* L. Gallo 2014 is included as synonym, Afferni's name is regarded as valid replacement name.]
- Petrosedum xbrevieri** (Chassagne ex L. Gallo) Afferni, Newslett. Sedum Soc. 113: 88, 2015. Basionym: *Sedum xbrevieri*. [Validity of the combination questionable because the page reference for the basionym is erroneous, and the validity is moreover dependent on the doubtful validity of the basionym.]
- Petrosedum dianium** (O. Bolòs) Afferni, Newslett. Sedum Soc. 114: 109, 2015. Basionym: *Sedum sediforme* var. *danium*.
- Petrosedum xestrelae** Gideon F. Smith & R. Stephenson, Bradleya 33: 4-6, ills., 2015. Typus: Smith & Figueiredo 31 (COI). [= *Petrosedum forsterianum* × *P. sediforme*.]
- Petrosedum xhegnauri* ('t Hart) Afferni, Newslett. Sedum Soc. 113: 88, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Sedum xhegnauri*.
- Petrosedum xhenkii* (L. Gallo) Afferni, Newslett. Sedum Soc. 113: 88, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Sedum xhenkii*.
- Petrosedum xlorenzoi* ('t Hart) Afferni, Newslett. Sedum Soc. 113: 88, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Sedum xlorenzoi*.
- Petrosedum xlorenzoi* nssp. *hommelsii* ('t Hart) Afferni, Newslett. Sedum Soc. 113: 89, 2015. *Nom. inval.* (ICN Art. 41.5, 35.1), based on *Sedum xhommelsii*, incorrect name (Art. 11.3, H4, H5).
- Petrosedum xnicaense* Afferni, Newslett. Sedum Soc. 113: 88, 2015. *Nom. illeg.* (ICN Art. 52.1). [Published as new combination (with Gallo as bracket author), but to be treated as *nom. nov. pro Sedum luteolum* Chaboisseau 1863, and then illegitimate vs.

- Petrosedum luteolum* (Chaboisseau) Grulich 1984.]
- Petrosedum* ×*pascalianum* (L. Gallo) Afferni, Newslett. Sedum Soc. 113: 88, 2015. *Nom. inval.* (ICN Art. 41.5), based on *Sedum* ×*pascalianum*.
- Rhodiola daochengensis** J. Q. Zhang & G. Y. Rao, Phytotaxa 224(2): 167-168, ills., 2015. Typus: *Zhang & al.* 110808-01 (PEY).
- Rhodiola tricarpa** S. Y. Meng & G. Y. Rao, Phytotaxa 224(2): 166-170, ills., 2015. Typus: *Meng & Zhang* 120722-10 (PEY).
- Rosularia bonorum-hominum** Niederle, Skalnickárúv Rok 72: 43-46, ills., 2015. Typus: *Niederle* s.n. (BRNU 638063).
- Rosularia gigantea** (Eggl) Niederle, Skalnickárúv Rok 72: 40, 2015. Basionym: *Rosularia serpentinica* var. *gigantea*.
- Rosularia globulariifolia** ssp. **pallidiflora** (Meikle) Yildiz, Ot Sist. Bot. Dergisi 21(1): 34, 2015. Basionym: *Umbilicis pallidiflorus*. [Volume for 2014, publ. 30. 4. 2015 fide IPNI.]
- Rosularia pisidica** Niederle, Skalnickárúv Rok 72: 40-43, ills., 2015. Typus: *Niederle* s.n. (BRNU 638062).
- Rosularia pseudo-haussknechtii** Niederle, Skalnickárúv Rok 72: 38-39, 2015. Typus: *Davis & Hedge* 31242 (E).
- Sedum album** ssp. **rupi-melitense** Mifsud & al., Phytotaxa 227(2): 138, ills. (pp. 141, 143), 2015. Typus: *Mifsud* SMIFS-17 (E).
- Sedum aquilanum** L. Gallo & F. Conti, Phytotaxa 239(1): 46-47, ills. (pp. 46-47, 49-51), 2015. Typus: *Conti* s.n. (APP, APP).
- Sedum xestrelae** (Gideon F. Smith & R. Stephenson) Gideon F. Smith, Haseltonia 21: 96, ills., 2015. Basionym: *Petrosedum xestrelae*.
- Sedum moniliforme** I. García & Costea, Phytotaxa 212(1): 81-83, ills., 2015. Typus: *García & al.* 8994 (CIMI, IEB, MEXU, WLU).
- Sedum piactlaense** Reyes & al., Haseltonia 20: 58, ills. (pp. 59-61), 2015. Typus: *Etter & Kristen* 3606 (MEXU).
- Sedum samium** ssp. **cilicicum** (Kit Tan & Vural) Yildirimli, Ot Sist. Bot. Dergisi 21(1): 35, 2015. Basionym: *Sedum cilicicum*. [Dated 2014, publ. 30. April 2015 fide IPNI (accessed Feb. 2017).]
- Sedum strobiliforme** Niederle, Skalnickárúv Rok 72: 46-51, ills., 2015. Typus: *Niederle* s.n. (BRNU 638061).

- Sempervivum montanum** ssp. **rex** Niederle, Skalnickárúv Rok 71: 25-26, 2015. Typus: *Letz & Marhold* s.n. (SLO). [Probably illegitimate because the holotype is identical to the neotype of the basionym of *S. montanum* ssp. *heterophyllum* designated by Letz (2002) but disputed and replaced by a new neotype by Niederle l.c.]
- Sempervivum montanum** var. **rex** Niederle, Skalnickárúv Rok 71: 25-26, 2015. Typus: *Letz & Marhold* s.n. (SLO). [Probably illegitimate because the holotype is identical to the neotype of the basionym of *S. montanum* var. *heterophyllum* designated by Letz (2002) but disputed and replaced by a new neotype by Niederle l.c.]
- Villadia ramirezii** P. Carrillo, Acta Bot. Mex. 110: 76-81, ills., 2015. Typus: *Carrillo-Reyes & Kennedy* 4417 (IBUG, IEB).

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- Coccinia adoensis** var. **aurantiaca** (C. Jeffrey) Holstein, PhytoKeys 54: 67, 2015. Basionym: *Coccinia aurantiaca*.
- Coccinia adoensis** var. **jeffreyana** Holstein, PhytoKeys 54: 70, 2015. Typus: *Lovett* 1597 (MO, EA).
- Coccinia sessilifolia** var. **variifolia** (A. Meeuse) Holstein, PhytoKeys 54: 133, 2015. Basionym: *Coccinia variifolia*.
- Ibervillea macdougalii** (Rose) Lira & al., Phytotaxa 201(3): 204, 2015. Basionym: *Tumamoca macdougalii*.

EUPHORBIACEAE

- Euphorbia breviramia** var. **astrophora** (Marx) Marx & van Veldhuisen, Euphorbia World 11(2): 8, ills. (pp. 8-9), 2015. Basionym: *Euphorbia astrophora*.
- Euphorbia breviramia** var. **supraterra** Marx & van Veldhuisen, Euphorbia World 11(2): 9, ills. (pp. 8, 11-13), 2015. Typus: *Marx* 559 (GRA).

Euphorbia crypta Ewest, *Euphorbia World* 11(1): 26-29, ills., 2015. Typus: *Eggl* 2909 (SGO, B, CONC, ZSS).

Euphorbia cyanofolia Ewest, *Euphorbia World* 11(2): 21-23, ills., 2015. Typus: *Ewest* 151 (SGO, B).

Euphorbia melicae Ewest, *Euphorbia World* 11(1): 21-25, ills., 2015. Typus: *Ewest* 08-004a (SGO, B). [Sphalm. 'melicae'.]

Euphorbia ramena Buddensiek & Razafindratsira, *Euphorbia World* 11(3): 13-14, ills. (pp. 13-15), 2015. Typus: *Razafindratsira* s.n. (FT).

FABACEAE

Oberholzeria Swanepoel & al., *PLoS One* 10(3): e0122080: 11-12, 2015. Typus: *Oberholzeria etendekaensis* Swanepoel & al..

Oberholzeria etendekaensis Swanepoel & al., *PLoS One* 10(3): e0122080: 12, figs. 5-6 (pp. 8-9), 2015. Typus: *Swanepoel* 316 (WIND, PRE).

GERANIACEAE

Pelargonium flabelliforme E. M. Marais, S. African J. Bot. 103: 146-147, ills., 2015. Typus: *Le Roux* 496 (NBG, K). [E-published Dec. 2015, print version published March 2016.]

Pelargonium flavipetalum E. M. Marais, S. African J. Bot. 103: 150-153, ills., 2015. Typus: *Marais* 326 (NBG, BOL, K, MO, PRE). [E-published Dec. 2015, print version published March 2016.]

Pelargonium karoescens R. T. F. Clifton, Geraniaceae Group Assoc. Notes 81: 17, 2015. Typus: *Albers & Becker* 4451 (MSUN, K) [Isotype at K according to l.c. p. 17, 19.]. [*Nom. nov. pro Pelargonium laxum* ssp. *karooicum* M. Becker & F. Albers 2008. First published invalidly (ICN Art. 36.1) in Geraniaceae Group News 132: 40, 2014, and arguably validated by accepting the name without any indication of a provisional

nature in 2015.]

Pelargonium luteopetalum E. M. Marais, S. African J. Bot. 103: 148-149, ills., 2015. Typus: *Marais* 144 (NBG). [E-published Dec. 2015, print version published March 2016.]

Pelargonium occultum Liekkio & R. T. F. Clifton, Geraniaceae Group News 136: 12-13, 2015. Typus: *Liekkio* s.n. (K).

Pelargonium onustifolium R. T. F. Clifton, Geraniaceae Group Assoc. Notes 81: 28, 2015. Typus: *Powrie* s.n. (K).

Pelargonium opinatum R. T. F. Clifton, Geraniaceae Group Assoc. Notes 81: 32, 2015. Typus: *van der Walt* 900 (K).

Pelargonium opiparum R. T. F. Clifton, Geraniaceae Group Assoc. Notes 81: 34-35, ill., 2015. Typus: *Fischer* 95 (K, BM, MSUN).

Pelargonium orientum R. T. F. Clifton, Geraniaceae Group Assoc. Notes 81: 35-36, ills., 2015. Typus: *Smith* s.n. (PRE 28219).

Pelargonium parviflorum ssp. *karasbergense* Becker & Albers ex R. T. F. Clifton, Geraniaceae Group Assoc. Notes 80: 18, 2015. Typus: *Albers & Becker* 4188 (MSUN). [Name first mentioned casually only and thus published invalidly in *Bothalia* 39(1): 74, 81, 2009.]

Pelargonium parviflorum ssp. *tuberculum* Becker & Albers ex R. T. F. Clifton, Geraniaceae Group Assoc. Notes 80: 18, 2015. Typus: *Albers & Becker* 4205 (MSUN). [Name first mentioned casually only and thus published invalidly in *Bothalia* 39(1): 74, 81, 2009.]

Pelargonium uliginosum J. C. Manning & Euston-Brown, S. African J. Bot. 97: 205-206, ills., 2015. Typus: *Euston-Brown* 3253 (NBG, K, MO).

Pelargonium vassarii W. Morris & R. T. F. Clifton, Geraniaceae Group News 132: 34-36, 2014. Typus: *Morris* s.n. (K). [Sphalm. 'vassari'. Omitted previously. Probably invalid since the it is noted that it "has been provisionally agreed with Royal Botanic Gardens Kew, will be deposited there" [sic!]. In Geraniaceae Group Assoc. Notes 82: 8, 2016, K is confirmed as place of deposition (incl. K accession number), and since a direct reference to the original publication with the English diagnosis is given, the name would be validated if it is deemed invalid in the 2014 publication.]

Pelargonium wuppertalense E. M. Marais, S. African J. Bot. 103: 149-151, ills., 2015. Typus: *Van der Walt* 750a (NBG, BOL, K, MO, PRE). [E-published Dec. 2015, print version published March 2016.]

Pelargonium xanthopetalum E. M. Marais, S. African J. Bot. 103: 152, ills. (p. 154), 2015. Typus: *Van der Walt* s.n. (NBG, BOL, K, MO, PRE). [E-published Dec. 2015, print version published March 2016.]

GESNERIACEAE

Sinningia bragae Chautems & al., Candollea 70(2): 232, ills. (pp. 233-234), 2015. Typus: *Braga* 7704 (RB, G).

HYACINTHACEAE

Desertia Martínez-Azorín & al., Phytotaxa 221(3): 206, 2015. Typus: *Whiteheadia etesionamibensis* U. & D. Müller-Doblies.

Desertia etesionamibensis (U. & D. Müller-Doblies) Martínez-Azorín & al., Phytotaxa 221(3): 206, ills. (pp. 203-207), 2015. Basionym: *Whiteheadia etesionamibensis*.

Drimia edwardsii N. R. Crouch & Martínez-Azorín, Phytotaxa 195(2): 137, ills. (pp. 138-139), 2015. Typus: *Crouch* 1280 (BNRH, HSMC).

Eliokarmos craibii Martínez-Azorín & al., Phytotaxa 204(1): 69, ills. (pp. 66-68, 70, 72), 2015. Typus: *Craib* s.n. (GRA, ABH, K).

Eliokarmos pendens (van Jaarsveld) Martínez-Azorín & al., Phytotaxa 201(2): 167, 2015. Basionym: *Ornithogalum pendens*.

Eliokarmos thunbergianus (Baker) Martínez-Azorín & al., Phytotaxa 201(2): 167, 2015. Basionym: *Ornithogalum thunbergianum*.

Ledebouria corrugata D. M. Cumming, Cact. Succ. J. (Los Angeles) 87(6): 238-239, ills., 2015. Typus: *Cumming* 13844 (GRA).

Rhodocodon campanulatus Knirsch & al., Phytotaxa 195(2): 110-112, ills., 2015. Typus: *Perrier* 10947 (P). [Based on *Rhodocodon rotundus* var. *campanulatus* H. Perrier

1938 (*nom. inval.*, ICN Art. 39.1).]

Rhodocodon cryptopodus (Baker) Knirsch & al., Phytotaxa 195(2): 112, ills. (pp. 113-114), 2015. Basionym: *Hyacinthus cryptopodus*.

Schizobasis sigmoidea (J. C. Manning & J. Deacon) Martínez-Azorín & al., Phytotaxa 201(2): 168, 2015. Basionym: *Drimia sigmoidea*.

MONTIACEAE

Calandrinia ranunculina J. M. Watson & al., Phytotaxa 203(1): 11-12, ills., 2015. Typus: *Flores & Watson* 9268 (SI, CONC).

OXALIDACEAE

Oxalis fenestrata Dreyer & al., Blumea 59(2): 134, fig. 3 (p. 137), 2014. Typus: *Dreyer & al.* MO1527b (STEU). [Omitted previously.]

PIPERACEAE

Peperomia subgen. **Fenestratae** Pino, Taxon 64(3): 431, 2015. Typus: *Peperomia dolabriformis* Kunth.

Peperomia subgen. **Leptorhynchum** (Dahlstedt) Trelease ex Samain, Taxon 64(3): 433, 2015. Basionym: *Peperomia* Sect. *Leptorhynchum*.

Peperomia subgen. **Multipalmata** Scheiris & Frenzke, Taxon 64(3): 434, 2015. Typus: *Peperomia caperata* Yuncker.

Peperomia subgen. **Oxyrhynchum** (Dahlstedt) Samain, Taxon 64(3): 434, 2015. Basionym: *Peperomia* Sect. *Oxyrhynchum*.

Peperomia subgen. **Phyllobryon** (Miquel) Scheiris & Frenzke, Taxon 64(3): 436, 2015. Basionym: *Phyllobryon*.

Peperomia subgen. **Pseudocupula** Frenzke & Scheiris, Taxon 64(3): 436, 2015. Typus: *Peperomia tetraphylla* Hooker & Arnott.

RUSCACEAE

- Sansevieria ballyi** var. **robertsoniae** L. E. Newton, *Sansevieria* 33: 11-12, ill., 2015. Typus: *Newton & al.* 5981 (EA).
- Sansevieria lunatifolia** L. E. Newton, *Cact. Succ. J. (Los Angeles)* 87(3): 116-118, ill., 2015. Typus: *Newton* 5683 (EA, K).
- Sansevieria pinguicula** fa. **disticha** (Pfennig ex Butler) L. E. Newton & Thiede, *Cact. Succ. J. (Los Angeles)* 87(1): 31, ill. (pp. 30-31), 2015. Basionym: *Sansevieria pinguicula* ssp. *disticha*.
- Sansevieria pinguicula** ssp. **nana** (Chahinian) L. E. Newton & Thiede, *Cact. Succ. J. (Los Angeles)* 87(1): 32, ill. (p. 31), 2015. Basionym: *Sansevieria pinguicula* var. *nana*.

THESIACEAE

- Lacomucinaea** Nickrent & M. A. García, *Phytotaxa* 224(2): 179-180, 2015. Typus: *Thesium lineatum* Linné.
- Lacomucinaea lineata** (Linné *fil.*) Nickrent & M. A. García, *Phytotaxa* 224(2): 180, ill., 2015. Basionym: *Thesium lineatum*.

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- [3] **Abraham, W.-R. & Pontes, R. C. (2015)** Die Fertilitätsverhältnisse einer Art sind ökologisch bedeutend – Korrekturen zu einigen Umkombinationen von Notokakteen. *Internoto* 36 (1): 3-13, ills.
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