



**Repertorium
Plantarum
Succulentarum
XXXIX (1988)**

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

International Organization for Succulent Plant Study
Internationale Organisation für Sukkulantenforschung

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Conventions used in Repertorium Plantarum Succulentarum

- Repertorium Plantarum Succulentarum attempts to list, under separate headings, newly published names of succulent plants and relevant literature on the systematics of these plants, on an annual basis. New names noted after the issue for the relevant year has gone to press are included in later issues. Specialist periodical literature is scanned in full (as available at the libraries of K, Z, ZSS or received by the compilers). Also included is information supplied to the compilers direct. It is urgently requested that any reprints of papers not published in readily available botanical literature be sent to one of the compilers.
- Validly published names are given in **bold face** type, accompanied by an indication of the nomenclatural type (name or specimen dependent on rank), followed by the herbarium acronyms of the herbaria where the holotype and possible isotypes are said to be deposited (first acronym for holotype), according to Index Herbariorum, ed. 7 and supplements as published in Taxon. Invalid, illegitimate, or incorrect names are given in *italic* type face. In either case a full bibliographic reference is given. For new combinations, the basionym is also listed. For invalid or illegitimate names, the articles of the ICBN which have been contravened are indicated in brackets.
- The compilers would like to point out that they do not accept any names that might be inadvertently validated in this volume of RPS.
- Bibliographic details of papers dealing only with the description of one or two new taxa are given in the nomenclatural section and not repeated in the bibliographic section.
- Abbreviations for periodicals are those suggested in 'A Bibliography of Succulent Plant Periodicals' (U. Eggli in Bradleya 3: 103-119, 1985, and supplements in l.c. 5: 101-104, 1987) for specialized periodicals, or those of Bibliographia Periodicorum Huntianum for other periodicals.

Konventionen im Zusammenhang mit dem Repertorium Plantarum Succulentarum

- Das Repertorium Plantarum Succulentarum ist eine jährlich herausgegebene Zusammenstellung neuer Namen für sukkulente Pflanzen und der relevanten systematischen Literatur. Neue Namen, die nach der Drucklegung der Ausgabe des betreffenden Jahres bekannt werden, erscheinen in der nächsten erreichbaren Ausgabe. Spezialisierte Zeitschriften werden umfassend durchgesehen, soweit sie in den Bibliotheken von K, Z und ZSS vorhanden sind oder den Herausgebern privat vorliegen. Die Herausgeber bitten alle Autoren dringend, Separata relevanter Publikationen zur Verfügung zu stellen, vor allem wenn es sich um Beiträge in schwer zugänglichen Serien handelt.
- Gültig veröffentlichte Namen werden in **Fettschrift** wiedergegeben unter Angabe des nomenklatorischen Typs (Name oder Belegexemplar je nach Rangstufe; gefolgt von den Herbarabkürzungen [entsprechend Index Herbariorum, ed. 7, und in Taxon publizierten Supplementen] der publizierten Hintelegungsorte für Holotyp [1. Abkürzung] und Isotypen). Ungültige oder illegitime Namen erscheinen in *Kursivschrift* unter Angabe (in Klammer) derjenigen Artikel des ICBN, die verletzt worden sind. In allen Fällen folgen die kompletten bibliographischen Angaben. Für Umkombinationen wird auch das Basionym angegeben.
- Die Herausgeber weisen mit aller Deutlichkeit darauf hin, dass sie keinen Namen anerkennen, der zufälligerweise in dieser Ausgabe des RPS validiert worden sein könnte.
- Beiträge, welche nur Beschreibungen eines oder zweier Taxa enthalten, werden in der bibliographischen Liste nicht separat aufgeführt.
- Die Abkürzungen für spezialisierte Sukkulente-Zeitschriften richten sich nach 'A Bibliography of Succulent Plant Periodicals' (U. Eggli in Bradleya 3: 103-119, 1985, sowie Supplementen in l.c. 5: 101-104, 1987), für allgemeine botanische Zeitschriften nach Bibliographia Periodicorum Huntianum.

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NOMINA NOVA

AGAVACEAE

Beschorneria septentrionalis García Mendoza, Cact. Suc. Mex. 33(1): 3-5, ills. (2): 52 [erratum]. 1988. Typus: *García Mendoza et C. Ramos* 2903 (MEXU).

AIZOACEAE

Antimima subgen. **Caespitosa** Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 211. 1988. Typus: *Antimima longipes*. Author citation erroneously given as '(Schwantes) Dehn'.

Antimima subgen. **Clavipes** Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 212-213. 1988. Typus: *Antimima alborubra*.

Antimima subgen. **Microphylla** Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 213. 1988. Typus: *Antimima microphylla*. Author citation erroneously given as '(Haworth) Dehn'.

Antimima subgen. **Virgata** Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 213-214. 1988. Typus: *Antimima virgata*. Author citation erroneously given as '(Haworth) Dehn'.

Antimima alborubra (L. Bolus) Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 212. 1988. Basionym: *Ruschia alborubra*.

Antimima longipes (L. Bolus) Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 211. 1988. Basionym: *Ruschia longipes*.

Antimima microphylla (Haworth) Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 213. 1988. Basionym: *Mesembryanthemum microphyllum*.

Antimima virgata (Haworth) Dehn, Mitt. Inst. Allg. Bot. Hamburg 22: 213. 1988. Basionym: *Mesembryanthemum virgatum*.

Aptenioideae Bittrich & Hartmann, Bot. J. Linn. Soc. 97: 250. 1988. Typus: .

Cephalophyllum numeesense H. E. K. Hartmann, Mitt. Inst. Allg. Bot. Hamburg 22: 172. 1988. Typus: *Herre* s.n. in *SUG* 9191 (BOL).

Cephalophyllum parvibracteatum (L. Bolus) H. E. K. Hartmann, Mitt. Inst. Allg. Bot. Hamburg 22: 172. 1988. Basionym: *Cheiridopsis parvibracteata*.

Cephalophyllum parvulum (Schlechter) H. E. K. Hartmann, Mitt. Inst. Allg. Bot. Hamburg 22: 173. 1988. Basionym: *Mesembryanthemum parvulum*.

Cephalophyllum spissum H. E. K. Hartmann, Mitt. Inst. Allg. Bot. Hamburg 22: 176-177. 1988. Typus: *Hall* 2821 (NBG).

Cephalophyllum tetrastichum H. E. K. Hartmann, Mitt. Inst. Allg. Bot. Hamburg 22: 177-178. 1988. Typus: *Hartmann et al.* 20456 (HBG).

Conophytum sect. **Minuscula** (Schwantes) Tischer ex S. Hammer, Bradleya 6: 104. 1988. Basionym: *Conophytum* ser. *Minuscula*.

Conophytum sect. **Pellucida** (Schwantes) Tischer

ex S. Hammer, Bradleya 6: 104. 1988. Basionym: *Conophytum* ser. *Pellucida*.

Conophytum sect. **Saxetana** (Schwantes) Tischer ex S. Hammer, Bradleya 6: 104. 1988. Basionym: *Conophytum* ser. *Saxetana*.

Conophytum sect. **Tuberculata** (Schwantes) Tischer ex S. Hammer, Bradleya 6: 104. 1988. Basionym: *Conophytum* ser. *Tuberculata*.

Conophytum sect. **Wettsteinia** (Schwantes) Tischer ex S. Hammer, Bradleya 6: 104. 1988. Basionym: *Conophytum* ser. *Wettsteinia*.

Conophytum achabense S. Hammer, Cact. Succ. J. (US) 60(5): 217-218, ills. 1988. Typus: *Hammer* 360/86 (NBG).

Conophytum armianum S. Hammer, Aloe 25(1): 10-11, ills. 1988. Typus: *Hammer* 462/87 (PRU).

Conophytum buysianum S. Hammer, Aloe 25(2): 34-35, ills. 1988. Typus: *Hammer* 413/86 (NBG).

Conophytum ernstii S. Hammer, Cact. Succ. J. (US) 60(6): 262-263, ills. 1988. Typus: *van Jaarsveld* 8512 (NBG).

Lithops aucampiae cv. **Betty's Beryl** Cole, Lithops Flow. Stones, 101-102, ill. (p. 100). 1988.

Lithops aucampiae ssp. **euniceae** (de Boer) Cole, Lithops Flow. Stones, 220. 1988. Basionym: *Lithops aucampiae* var. *euniceae*.

Lithops dinteri ssp. **frederici** (Cole) Cole, Lithops Flow. Stones, 220. 1988. Basionym: *Lithops dinteri* var. *frederici*.

Lithops dinteri ssp. **multipunctata** (De Boer) Cole, Lithops Flow. Stones, 227. 1988. Basionym: *Lithops dinteri* var. *multipunctata*.

Lithops gracilidelineata ssp. **brandbergensis** (de Boer) Cole, Lithops Flow. Stones, 217. 1988. Basionym: *Lithops pseudotruncatella* var. *brandbergensis*.

Lithops hookeri var. **dabneri** (L. Bolus) Cole, Lithops Flow. Stones, 218. 1988. Basionym: *Lithops dabneri*.

Lithops hookeri var. **elephina** (Cole) Cole, Lithops Flow. Stones, 219. 1988. Basionym: *Lithops turbiniformis* var. *elephina*.

Lithops hookeri var. **lutea** (de Boer) Cole, Lithops Flow. Stones, 225. 1988. Basionym: *Lithops turbiniformis* var. *lutea*.

Lithops hookeri var. **marginata** (Nel) Cole, Lithops Flow. Stones, 226. 1988. Basionym: *Lithops marginata*.

Lithops hookeri var. **subfenestrata** (de Boer) Cole, Lithops Flow. Stones, 231. 1988. Basionym: *Lithops turbiniformis* var. *subfenestrata*.

Lithops hookeri var. **susannae** (Cole) Cole, Lithops Flow. Stones, 231. 1988. Basionym: *Lithops turbiniformis* var. *susannae*.

Lithops julii ssp. **fulleri** cv. **Fullergreen** Cole, Lithops Flow. Stones, 150, ill. 1988. [Based on *Cole* C056A.]

- Lithops karasmontana** ssp. *bella* (N. E. Brown) Cole, *Lithops* Flow. Stones, 217. 1988. Basionym: *Lithops bella*.
- Lithops karasmontana** ssp. *eberlanzii* (Dinter & Schwantes) Cole, *Lithops* Flow. Stones, 219. 1988. Basionym: *Mesembryanthemum eberlanzii*.
- Lithops leslei** ssp. *burchellii* Cole, *Lithops* Flow. Stones, 217-218, ills. (p. 169). 1988. Typus: *Cole* C302 (PRE).
- Lithops meyeri** cv. *Hammeruby* Cole, *Lithops* Flow. Stones, 173, ill. 1988. Based on *Cole* C272A.
- Lithops olivacea** var. *nebrowonii* Cole, *Lithops* Flow. Stones, 227, ills. (p. 176). 1988. Typus: *Cole* C162B (PRE).
- Lithops pseudotruncatella** ssp. *archerae* (de Boer) Cole, *Lithops* Flow. Stones, 217. 1988. Basionym: *Lithops archerae*.
- Lithops pseudotruncatella** ssp. *dendritica* (Nel) Cole, *Lithops* Flow. Stones, 218. 1988. Basionym: *Lithops dendritica*.
- Lithops pseudotruncatella** ssp. *groendrayensis* (Jacobsen) Cole, *Lithops* Flow. Stones, 222. 1988. Basionym: *Lithops pseudotruncatella* var. *groendrayensis*.
- Lithops pseudotruncatella** ssp. *volkii* (Schwantes ex de Boer & Boom) Cole, *Lithops* Flow. Stones, 233. 1988. Basionym: *Lithops pseudotruncatella* var. *volkii*.
- Lithops schwantesii** ssp. *gebseri* (de Boer) Cole, *Lithops* Flow. Stones, 221. 1988. Basionym: *Lithops schwantesii* var. *gebseri*.
- Lithops villetii** ssp. *deboeri* (Schwantes) Cole, *Lithops* Flow. Stones, 218. 1988. Basionym: *Lithops deboeri*.
- Lithops villetii** ssp. *kennedyi* (de Boer) Cole, *Lithops* Flow. Stones, 224. 1988. Basionym: *Lithops fulleri* var. *kennedyi*.
- Ruschioideae** Bittrich & Hartmann, *Bot. J. Linn. Soc.* 97: 251. 1988. Typus: .
- Zaleya galericulata** ssp. *australis* (Melville) S. W. L. Jacobs, *Teloepa* 3: 139. 1988. Basionym: *Trianthema australis*.

ASCLEPIADACEAE

- Brachystelma dyeri** K. & M.-J. Balkwill & Cadman, *South Afr. J. Bot.* 54: 60-62. 1988. Typus: *Balkwill et Cadman* 3393 (NU, E, J, PRE).
- Duvalia vestita** Meve, *Kakt. and. Sukk.* 39(9): 194-197, ills. 1988. Typus: *Meve et Liede* 397 (K).
- Echidnopsis** sect. *Glabra* Bruyns, *Bradleya* 6: 8. 1988. Typus: *E. leachii* Lavranos.
- Echidnopsis** sect. *Profundicorona* Bruyns, *Bradleya* 6: 31. 1988. Typus: *E. sharpei* White & Sloane.
- Echidnopsis** sect. *Vadosicorona* Bruyns, *Bradleya* 6: 14. 1988. Typus: *Typus: E. scutellata* (Deflers) A. Berger. Sphalm. 'Vadosigorona'.
- Echidnopsis malum** (Lavranos) Bruyns, *Bradleya* 6: 43, ills. (p. 44). 1988. Basionym:

- Pseudopectinaria malum*.
- Echidnopsis scutellata** ssp. *australis* Bruyns, *Bradleya* 6: 19, ills. 1988. Typus: *Bally* 12565 (K).
- Echidnopsis scutellata** ssp. *dhofarensis* Bruyns, *Bradleya* 6: 18-19, ills. 1988. Typus: *Müller* 2811 (E).
- Echidnopsis scutellata** ssp. *planiflora* (Bally) Bruyns, *Bradleya* 6: 19, ills. (p. 20-21). 1988. Basionym: *Echidnopsis planiflora*.
- Echidnopsis sharpei** ssp. *ciliata* (Bally) Bruyns, *Bradleya* 6: 38-39, ills. 1988. Basionym: *Echidnopsis ciliata*.
- Echidnopsis sharpei** ssp. *repens* (Dyer & Verdoorn) Bruyns, *Bradleya* 6: 37-38, ills. 1988. Basionym: *Echidnopsis repens*.
- Hoya alata** K. Hill, *Teloepa* 3(2): 249. 1988. Typus: *Wallace* 83250 (NSW, BRI, K, L).
- Hoya australis** ssp. *sana* (Bailey) K. Hill, *Teloepa* 3(2): 251. 1988. Basionym: *Hoya sana*.
- Hoya ciliata** Elmer ex Burton, *Hoyan* 9(4: part II): i. 1988. Based on *Elmer* 11072. *Nom. inval.* (Art. 7.3, 37.1). [First published invalidly by Elmer in *Leaf. Philipp. Bot.* 10: 3577, 1938; *non H. ciliata* Teijsm. & Binn. (1866), *nom. inval.* (fide C. M. Burton, l.c.)].
- Hoya leytenis** Elmer ex Burton, *Hoyan* 10(1: part II): i-ii. 1988. Typus: *Elmer* 7261 (not given). [Previously invalidly published by Elmer in *Leaf. Philipp. Bot.* 10: 3582, 1938.]
- Hoya lipoensis** P. T. Li & Z. R. Xu, *Bull. Bot. Res. North-East. Forest. Inst.* 5: 129-132, ills. 1985. Typus: *Xu* L 1101 (SYS).
- Hoya macgillivrayi** cv. *Red Masterpiece* M. Miyashiro, *Hoyan* 10(1: part II): ii, ill. 1988. [Seedling of a cultivated plant.]
- Hoya meredithii** T. Green, *Phytologia* 64: 304-306, ills. 1988. [Cited after *Asklepios* 45: 45, 1988. Circulated in cultivation as "Borneo 80-05".]
- Hoya oligotricha** K. Hill, *Teloepa* 3(2): 253. 1988. Typus: *Liddle* s.n. (NSW 193413, BRI, K, L).
- Hoya oligotricha** ssp. *tenuipes* K. Hill, *Teloepa* 3(2): 254. 1988. Typus: *Wallace* 83252 (NSW, BRI, K, L).
- Hoya panchoi** Kloppenburg, *Hoyan* 10(1: part II): i. 1988. Typus: *Elmer* 15937 (not given).
- Hoya pubicalyx** cv. *Fresno Beauty* Kloppenburg, *Hoyan* 9(4: part II): ii-iii, ills. 1988. [From an accidental seedling of *Hoya pubicalyx* cv. *Pink Silver*.]
- Hoya rupicola** K. Hill, *Teloepa* 3(2): 252. 1988. Typus: *Fox* 2548 (NSW, CANB, DNA, NT).
- Hoya tsangii** Burton, *Hoyan* 9(4: part II): i-ii, ills. 1988. Based on *Elmer* 13372. *Nom. inval.* (Art. 7.3, 37.1).
- Huernia** sect. *Fallacistelma* Leach, *Excelsa* Tax. Ser. 4: 12. 1988. Typus: *H. brevirostris* N. E. Brown.
- Huernia** ser. *Ampligibbae* Leach, *Excelsa* Tax. Ser. 4: 11. 1988. Typus: *H. verekeri* Stent.
- Huernia** ser. *Annulatae* Leach, *Excelsa* Tax. Ser. 4: 9. 1988. Typus: *H. guttata* (Masson) Haworth.

Huernia ser. *Asperae* Leach, Excelsa Tax. Ser. 4: 11. 1988. Typus: *H. aspera* N. E. Brown.

Huernia ser. *Cleistostelmae* Leach, Excelsa Tax. Ser. 4: 12. 1988. Typus: *H. lavrani* Leach.

Huernia ser. *Humiles* Leach, Excelsa Tax. Ser. 4: 11. 1988. Typus: *H. humilis* (Masson) Haworth.

Huernia ser. *Multangulares* Leach, Excelsa Tax. Ser. 4: 9-10. 1988. Typus: *H. pillansii* N. E. Brown.

Huernia ser. *Pauciangulosae* Leach, Excelsa Tax. Ser. 4: 10. 1988. Typus: *H. longituba* N. E. Brown.

Huernia subsect. *Calostelmae* (A. Berger) Leach, Excelsa Tax. Ser. 4: 9. 1988. Basionym: *Huernia* sect. *Calostelma*. [Spelling changed from 'Calostelma'.]

Huernia subser. *Australiae* Leach, Excelsa Tax. Ser. 4: 10. 1988. Typus: *H. longituba* N. E. Brown.

Huernia subser. *Boreales* Leach, Excelsa Tax. Ser. 4: 10. 1988. Typus: *H. erinacea* Bally.

Huernia subser. *Convexae* Leach, Excelsa Tax. Ser. 4: 11. 1988. Typus: *H. somalica* N. E. Brown.

Huernia subser. *Podostelmae* (A. Berger) Leach, Excelsa Tax. Ser. 4: 10. 1988. Basionym: *Huernia* sect. *Podostelma*. [Spelling changed from 'Podostelma'.]

Huernia subser. *Procumbentes* Leach, Excelsa Tax. Ser. 4: 12. 1988. Typus: *H. procumbens* (R. A. Dyer) Leach.

Huernia subser. *Urceolatae* Leach, Excelsa Tax. Ser. 4: 11. 1988. Typus: *H. urceolata* Leach.

Huernia subser. *Verekeriae* Leach, Excelsa Tax. Ser. 4: 11. 1988. Typus: *H. verekeri* Stent.

Huernia *archeri* Leach, Excelsa Tax. Ser. 4: 88-90. 1988. Typus: *Archer s.n.* sub Leach 15561 (PRE).

Huernia *bayeri* Leach, Excelsa Tax. Ser. 4: 187-190, ills. 1988. Typus: *Leach et Bayliss* 15662 (NBG, PRE).

Huernia *brevirostris* ssp. *baviaana* Leach, Excelsa Tax. Ser. 4: 166-168, ills. 1988. Typus: *Bruyns* 1605 (NBG, GRA, K, M, MO, PRE).

Huernia *brevirostris* ssp. *intermedia* (N. E. Brown) Leach, Excelsa Tax. Ser. 4: 164. 1988. Basionym: *Huernia* *brevirostris* var. *intermedia*.

Huernia *echidnopsioides* (Leach) Leach, Excelsa Tax. Ser. 4: 51, ill. (p. 52). 1988.

Huernia *guttata* ssp. *calitzdorpensis* Leach, Excelsa Tax. Ser. 4: 38-39. 1988. Typus: *Leach et Roussouw* 16147 (NBG, STE).

Huernia *keniensis* var. *quintiia* Leach, Excelsa Tax. Ser. 4: 118-119, ill. 1988. *Nom. inval.* (Art. 36.1, 37.1). [As "nom. prov. per commodum".]

Huernia *plowesii* Leach, Excelsa Tax. Ser. 4: 134-136, ills. 1988. Typus: *Plowes* 6761 (NBG, K, PRE).

Huernia *quinta* var. *blyderiverensis* Leach, Excelsa Tax. Ser. 4: 178-179. 1988. Typus: *Percy-Lancaster* 466 (NBG).

Huernia *thudichumii* Leach, Excelsa Tax. Ser. 4: 132-134, ills. 1988. Typus: *Thudichum* 214A (NBG).

Huernia *thuretii* var. *primulina* (N. E. Brown) Leach, Excelsa Tax. Ser. 4: 185. 1988. Basionym: *Huernia* *primulina*.

Huernia *zebrina* ssp. *magniflora* (Phillips) Leach, Excelsa Tax. Ser. 4: 139. 1988. Basionym: *Huernia* *zebrina* var. *magniflora*.

Raphionacme *arabica* A. G. Miller & Biagi, Notes Roy. Bot. Gard. Edinburgh 45: 61, ills. 1988. Typus: *McLeish* 480 (E).

Raphionacme *lucens* Venter & Verhoeven, South Afr. J. Bot. 54(6): 607-610, ills. 1988. Typus: *Venter* 9086 (BLFU, K, PRE).

Raphionacme *pulchella* Venter & Verhoeven, South Afr. J. Bot. 54(1): 72-74, ills. 1988. Typus: *Williams* RSES 89 (SRGH).

ASPHODELACEAE

Bulbine *esterhuyseniae* Baijnath, South Afr. J. Bot. 53(6): 427-430, ills., map. 1987. Typus: *Esterhuysen* 25487 (BOL, K, PRE). [Inadvertently omitted from RPS 38.]

Bulbine *striata* van Jaarsveld & Baijnath, South Afr. J. Bot. 53(6): 424-426, ills., map. 1987. Typus: *van Jaarsveld et Patterson* 6640 (NBG). [Inadvertently omitted from RPS 38.]

ASTERACEAE

Kleinia × *hintermannii* (Gattefosse & Maire) G. Kunkel, Gartenpraxis 14(1): 50. 1988. Basionym: *Senecio* × *hintermannii*.

Kleinia *madagascariensis* (Humbert) P. Halliday, Hooker's Ic. Pl. 39(4): t. 3894 + text (pp. 100-102). 1988. Basionym: *Notonia* *madagascariensis*.

Kleinia *obesa* (Deffers) Halliday, Hooker's Ic. Pl. 39(4): t. 3892 + text (pp. 92-94). 1988. Basionym: *Notonia* *obesa*.

Kleinia × *peregrina* G. Kunkel, Gartenpraxis 14(1): 52. 1988. *Nom. inval.* (Art. 9.5). [= *Kleinia* *articulata* × *K. rowleyana*.]

Kleinia *rowleyana* (Jacobsen) G. Kunkel, Gartenpraxis 14(1): 52. 1988. Basionym: *Senecio* *rowleyanus*.

Kleinia *scottii* (Balfour fil.) P. Halliday, Hooker's Ic. Pl. 39(4): t. 3897 + text (pp. 114-117). 1988. Basionym: *Senecio* *scottii*.

Kleinia *subulifolia* (Chiovenda) P. Halliday, Hooker's Ic. Pl. 39(4): t. 3885 + text (pp. 56-59). 1988. Basionym: *Monadenium* *subulifolium*.

CACTACEAE

Arrojadoa *aureispina* var. *anguinea* P. J. Braun & Esteves, Cact. Succ. J. (US) 60(4): 174-180, ills., SEM-ills. 1988. Typus: *Braun* 80a (ZSS).

Arrojadoa *rhodantha* var. *canudosensis* (Buining & Brederoo) P. J. Braun, Bradleya 6:

90. 1988. Basionym: *Arrojadoa canudosensis*.
Arrojadoa rhodantha var. **theunisseniana** (Buining & Brederoo) P. J. Braun, Bradleya 6: 90. 1988. Basionym: *Arrojadoa theunisseniana*.
- Arthrocerus melanurus** var. **estevesii** Diers & P. Braun, Kakt. and. Sukk. 39(5): 100-105, ill., SEM-ills. 1988. Typus: *Horst, Braun et Esteves 1* (KOELN [Succulentarium], ZSS).
- Austrocephalocereus estevesii** ssp. **insigniflorus** Diers & Esteves P., Kakt. and. Sukk. 39(11): 264-268, ill., SEM-ills. 1988. Typus: *Esteves P. 122* (KOELN).
- Carnegiea polylopha** (De Candolle) D. Hunt, Bradleya 6: 100. 1988. Basionym: *Cereus polylophus*.
- Cereus** subgen. **Brasilicereus** (Backeberg) P. J. Braun, Bradleya 6: 87. 1988. Basionym: *Brasilicereus*.
- Cereus** subgen. **Ebneria** (Backeberg) D. Hunt, Bradleya 6: 100. 1988. Basionym: *Monvillea* subgen. *Ebneria*.
- Cereus adelmarii** (Rizzini & Mattos-F.) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Monvillea adelmarii*. [Sphalm. 'adelmari'.]
- Cereus alacriportanus** var. **bageanus** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus bageanus*.
- Cereus alticostatus** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Monvillea alticostata*.
- Cereus calcirupicola** var. **cabralensis** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus cabralensis*.
- Cereus calcirupicola** var. **cipoensis** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus cipoensis*.
- Cereus campinensis** (Backeberg & Voll) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Pilocereus campinensis*.
- Cereus campinensis** var. **piedadensis** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Monvillea piedadensis*.
- Cereus goiasensis** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus goiasensis*.
- Cereus lanosus** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus lanosus*.
- Cereus markgrafii** (Backeberg & Voll) P. J. Braun, Bradleya 6: 87. 1988. Basionym: *Brasilicereus markgrafii*.
- Cereus neonesioticus** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus neonesioticus*.
- Cereus neonesioticus** var. **interior** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus neonesioticus* var. *interior*.
- Cereus phaecanthus** var. **breviflorus** (Ritter) P. J. Braun, Bradleya 6: 87. 1988. Basionym: *Brasilicereus breviflorus*.
- Cereus saddianus** (Rizzini & Mattos-F.) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Monvillea saddiana*.
- Cereus sericifer** (Ritter) P. J. Braun, Bradleya 6: 86. 1988. Basionym: *Piptanthocereus sericifer*.
- Cleistocactus winteri** D. Hunt, Bradleya 6: 100. 1988. [Nom. nov. pro *Cleistocactus aureispinus* (Ritter) D. Hunt non Fric, based on *Winteria aureispina* Ritter.]
- Coleocephalocereus** subgen. **Buiningia** (Buxbaum) P. J. Braun, Bradleya 6: 92. 1988. Basionym: *Buiningia*.
- Coleocephalocereus diersianus** P. Braun & Esteves P., Kakt. and. Sukk. 39(3): 48-53, ill., SEM-ills. 1988. Typus: *Horst, Braun et Esteves 3* (KOELN [Succulentarium]).
- Coleocephalocereus elongatus** (Buining) P. J. Braun, Bradleya 6: 92. 1988. Basionym: *Buiningia brevicylindrica* var. *elongata*.
- Coryphantha tripugionacantha** A. Lau, Cact. Suc. Mex. 33(1): 1, 20-24, ill., SEM-ills. 1988. Typus: *Lau 1464* (MEXU). [The type is cited as 'Lau 1469' but according to the list of field numbers, this applies to a *Nyctocereus*, whereas Lau 1464 has the correct data associated with the new taxon.]
- Discoctactus prominentigibbus** Diers & Esteves P., Kakt. and. Sukk. 39(1): 14-19, ill., SEM-ills. 1988. Typus: *Esteves 151* (KOELN [Succulentarium]).
- Echinocereus cinerascens** var. **septentrionalis** N. P. Taylor, Bradleya 6: 68-69, ill. (p. 84). 1988. Typus: *Taylor 281* (MEXU, K).
- Echinocereus cinerascens** var. **tulensis** (H. Bravo-H.) N. P. Taylor, Bradleya 6: 69, ill. (p. 84). 1988. Basionym: *Echinocereus tulensis*.
- Echinocereus coccineus** var. **gurneyi** (L. Benson) Heil & Brack, Cact. Succ. J. (US) 60(1): 26. 1988. Basionym: *Echinocereus triglochidiatus* var. *gurneyi*.
- Echinocereus longisetus** var. **delaetii** (M. Gürke) N. P. Taylor, Bradleya 6: 79. 1988. Basionym: *Cephalocereus delaetii*.
- Echinocereus parkeri** N. P. Taylor, Bradleya 6: 73, ill. (pp. 73-74). 1988. Typus: *Hansen et al. 3863* (MEXU).
- Echinocereus parkeri** var. **gonzalezii** N. P. Taylor, Bradleya 6: 74, ill. (p. 74, 84). 1988. Typus: *Gonzalez Medrano 8515* (MEXU).
- Echinocereus polyacanthus** var. **huitcholensis** (F. A. C. Weber) N. P. Taylor, Bradleya 6: 82. 1988. Basionym: *Cereus huitcholensis*.
- Echinocereus rayonesensis** N. P. Taylor, Bradleya 6: 75-76, ill. 1988. Typus: *Lau 1101* (K). [Typus ex cult. R. Mottram.]
- Echinocereus scheeri** var. **koehresianus** G. R. W. Frank, Kakt. and. Sukk. 39(8): 186-189, ill., SEM-ills. 1988. Typus: *Lau 1143* (ZSS).
- Echinocereus stramineus** var. **occidentalis** N. P. Taylor, Bradleya 6: 70-71, ill. (pp. 70, 84). 1988. Typus: *Taylor 240B* (MEXU, K).
- Echinopsis** cv. **Whitestone Peach**, Brit. Cact. Succ. J. 6(3): 78, ill. 1988. [= (*Echinopsis chamaecereus* × *Echinopsis* sp.) × *Echinopsis* 'Stars and Stripes'.]
- Echinopsis** cv. **Whitestone Pink**, Brit. Cact. Succ. J. 6(3): 77-78, ill. 1988. [= (*Echinopsis chamaecereus* × *Echinopsis* sp.) × *Echinopsis* 'Stars and Stripes'.]

- Echinopsis aurea* var. *sierragrandensis* (Rausch) Lambert, Succulenta 67(9): 182. 1988. *Nom. inval.* (Art. 33.2), based on *Lobivia aurea* var. *sierragrandensis*.
- Echinopsis fallax* var. *albiflora* (Rausch) Lambert, Succulenta 67(9): 182. 1988. Basionym: *Lobivia aurea* var. *albiflora*.
- Echinopsis fallax* var. *callochrysea* (Ritter) Lambert, Succulenta 67(9): 182. 1988. Basionym: *Hymenorebutia aurea* var. *callochrysea*.
- Echinopsis fallax* var. *catamarcensis* (Ritter) Lambert, Succulenta 67(9): 182. 1988. Basionym: *Hymenorebutia aurea* var. *catamarcensis*.
- Echinopsis fallax* var. *depressicostata* (Ritter) Lambert, Succulenta 67(9): 182. 1988. Basionym: *Hymenorebutia aurea* var. *depressicostata*.
- Echinopsis fallax* var. *shaferi* (Britton & Rose) Lambert, Succulenta 67(9): 182. 1988. Basionym: *Lobivia shaferi*.
- Echinopsis fallax* var. *tortuosa* (Rausch) Lambert, Succulenta 67(9): 182. 1988. *Nom. inval.* (Art. 33.2), based on *Lobivia aurea* var. *tortuosa*.
- Escobaria tuberculosa* var. *varicolor* (Tiegel) Brack & Heil, Cact. Succ. J. (US) 60(1): 17. 1988. Basionym: *Coryphantha varicolor*.
- Facheiroa tenebrosa* P. Braun & Esteves P., Kakt. and. Sukk. 39(6): 126-131, ills., SEM-ill. 1988. Typus: *Esteves P.* 183 (KOELN [Succulentarium], ZSS).
- Gymnocalycium acorugatum* Lambert, Succulenta 67(1): 4-7, ills., SEM-ills. 1988. Typus: *Lambert 69* (U). [German translation in *Gymnos* 5(9): 35-36, 1988.]
- Gymnocalycium pflanzii* ssp. *argentinense* Till & W. Till, Kakt. and. Sukk. 39(12): 273-277, ills. 1988. Typus: *Anonymus* in *H. Till* 684 (WU).
- Mammillaria boelderliana* Wohlschlagel, Kakt. and. Sukk. 39(4): 78-79, ills. 1988. Typus: *Wohlschlagel 369* (WU).
- Mammillaria moeller-valdeziana* Appenzeller, Mitteilungsbl. AfM 12(5): 161-167, ills., SEM-ills. 1988. Typus: *Moeller-Valdez et H.-J. Klein in Klein* 217 (ZSS). [Additional information in l.c. (6): 212-213, SEM-ill., 1988.]
- Matucana huagalensis* (Donald & Lau) Bregman et al., Succulenta 67(7/8): 155-157, ills., SEM-ills. 1988. Basionym: *Borzicactus huagalensis*.
- Matucana intertexta* var. *celendinensis* (Ritter) Bregman et al., Succulenta 67(5): 100-102, ills., SEM-ills. 1988. Basionym: *Matucana celendinensis*.
- Matucana pujupatii* (Donald & Lau) Bregman, Willdenowia 17(1/2): 179, ill. (p. 178). 1988. Basionym: *Borzicactus madisoniorum* var. *pujupatii*.
- Melocactus azureus* var. *krainzianus* (Buining & Brederoo) P. J. Braun, Bradleya 6: 94. 1988. Basionym: *Melocactus krainzianus*.
- Melocactus barbae* Antesberger, Kakt. Orch.-Rundschau 13(2): 13-19, ills. 1988. Typus: *Antesberger 13* (herb. Univ. Salzburg). [Sphalm. 'barbarensis'.]
- Melocactus deinacanthus* fa. *mulequensis* (Buining & Brederoo) P. J. Braun, Bradleya 6: 94. 1988. Basionym: *Melocactus mulequensis*.
- Melocactus deinacanthus* ssp. *florschuetzianus* (Buining & Brederoo) P. J. Braun, Bradleya 6: 94. 1988. Basionym: *Melocactus florschuetzianus*.
- Melocactus deinacanthus* ssp. *longicarpus* (Buining & Brederoo) P. J. Braun, Bradleya 6: 94. 1988. Basionym: *Melocactus longicarpus*.
- Melocactus diersianus* fa. *rubrispinus* (Ritter) P. J. Braun, Bradleya 6: 94. 1988. Basionym: *Melocactus rubrispinus*.
- Melocactus oreas* fa. *azulensis* (Buining et al.) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus azulensis*.
- Melocactus oreas* fa. *erythracanthus* (Buining & Brederoo) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus erythracanthus*.
- Melocactus oreas* ssp. *cremnophilus* (Buining & Brederoo) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus cremnophilus*.
- Melocactus oreas* ssp. *ernestii* (Vaupel) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus ernestii*.
- Melocactus oreas* ssp. *rubrisaetosus* (Buining et al.) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus rubrisaetosus*.
- Melocactus oreas* var. *longispinus* (Buining et al.) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus longispinus*.
- Melocactus pruinosus* var. *concinus* (Buining & Brederoo) P. J. Braun, Bradleya 6: 95. 1988. Basionym: *Melocactus concinns*.
- Melocactus zehntneri* ssp. *canescens* (Ritter) P. J. Braun, Bradleya 6: 98. 1988. Basionym: *Melocactus canescens*.
- Melocactus zehntneri* ssp. *robustispinus* (Buining et al.) P. J. Braun, Bradleya 6: 98. 1988. Basionym: *Melocactus robustispinus*.
- Melocactus zehntneri* var. *curvicornis* (Buining & Brederoo) P. J. Braun, Bradleya 6: 98. 1988. Basionym: *Melocactus curvicornis*.
- × *Nopalxalis* Süpplie, Succulenta 67(6): 141. 1988. [= *Nopalxochia* × *Rhipsalis*.]
- × *Nopalxalis* cv. *Naranja* Süpplie, Succulenta 67(6): 141. 1988. [= (*Nopalxochia ackermannii* × *N. phyllanthoides*) × *Rhipsalis monacantha*.]
- Notocactus concinnus* var. *eremiticus* (Ritter) Gerloff, Internoto 9(4): 112, ills. (pp. 99-112). 1988. Basionym: *Notocactus eremiticus*.
- Notocactus concinnus* var. *gibberulus* (Prestlé) Gerloff, Internoto 9(4): 112, ills. (pp. 99-112). 1988. Basionym: *Notocactus gibberulus*.
- Notocactus concinnus* var. *rubrigemmatum* (Abraham) Gerloff, Internoto 9(4): 112, ills. (pp. 99-112). 1988. Basionym: *Notocactus rubrigemmatum*.
- Notocactus gutierrezii* Abraham, Kakt. and. Sukk. 39(7): 150-154, ills. 1988. Typus: *Abraham 253* (KOELN).

- Notocactus linkii* fa. *websterianus* hort. Debaecke, Internoto 9(2): 58-60, ills. 1988. *Nom. inval.* (Art. 36.1, 37.1). [Published as *nom. nud.*]
- Notocactus memorialis** Prestlé, Internoto 9(1): 3-7, ills., SEM-ills. 1988. Typus: *Schlosser* s.n. (U).
- Notocactus notabilis* Dupal, Minimus 19(1): 11-13, ill. 1988. Based on *Schlosser* 218. *Nom. inval.* (Art. 36.1). [Published as provisional name.]
- Notocactus ottonis** var. **globularis** (Ritter) Bergner, Internoto 9(3): 67-73, ills., SEM-ills. 1988. Basionym: *Notocactus globularis*.
- Notocactus rubrigemmatu** Abraham, Kakt. and. Sukk. 39(2): 38-41, ills. 1988. Typus: *Schlosser* 156 (KOELN).
- Notocactus rudibueneke** Abraham, Succulenta 67(6): 133-138, ills. 1988. Typus: *Abraham* 355 (KOELN [Succulentarium]).
- Notocactus schaeferianus** (Abraham & Theunissen) Havlicek, Internoto 9(2): 39. 1988. Basionym: *Wigginsia schaeferiana*.
- Notocactus scopa* fa. *erythrinus* Havlicek, Internoto 9(4): 125-127, ills. 1988. *Nom. inval.* (Art. 36.1, 37.1). [Published as *nom. nud.*]
- Notocactus scopa* fa. *marchesii* Gerloff, Internoto 9(2): 40-42, ill. 1988. Based on *van Vliet* 73d. *Nom. inval.* (Art. 34.1 / 36.1). [Published as *nom. nud.* Previously mentioned by W.-R. Abraham at varietal status in an Internoto-‘Rundbrief’.]
- Notocactus scopa** var. **machadoensis** Abraham, Succulenta 67(4): 81-84, ill. 1988. Typus: *Abraham* 361 (KOELN [Succulentarium]). [First published as a provisional name by Menges in Internoto 8(4): 109-111, ills., 1987.]
- Notocactus scopa** var. **xicoi** Abraham, Succulenta 67(5): 111-114, ills. 1988. Typus: *Abraham* 332 (KOELN [Succulentarium]).
- Opuntia aureispina** (Brack & Heil) Pinkava & Parfitt, Sida 13: 128. 1988. Basionym: *Opuntia macrocentra* var. *aureispina*.
- Opuntia chlorotica** var. **gosseliniana** (F. A. C. Weber) Ferguson, Cact. Succ. J.(US) 60(4): 159, ill. (p. 156). 1988. Basionym: *Opuntia gosseliniana*.
- Opuntia macrocentra** var. **aureispina** Brack & Heil, Cact. Succ. J. (US) 60(1): 17, ill. (p. 18). 1988. Typus: *Anonymus* s.n. (San Juan College herb. SJNM 3777). [The type collection is *K. Heil* 2191 according to Pinkava & Parfitt *sub* *O. aureispina*.]
- Parodia malyana* ssp. *igneiflora* Brandt, Kakt. Orch.-Rundschau 13(1): 1. 1988. *Nom. inval.* (Art. 37.1). [Given under the heading "Combinaciones Novae", but without basionym. At the same time, a latin diagnosis is supplied and the name is designated as 'subspec. nova'. First invalidly published l.c. 6(4): 96, 1981 (sphalm. 'igneiflora'), cf. RPS 32.]
- Parodia obtusa* ssp. *atochana* Brandt, Kakt. Orch.-Rundschau 13(1): 1. 1988. *Nom. inval.* (Art. 37.1). [See note above for *P. malyana* ssp. *igneiflora*.]
- Parodia pseudoprocera* ssp. *aurantiaciflora* Brandt, Kakt. Orch.-Rundschau 13(1): 1. 1988. *Nom. inval.* (Art. 37.1). [See note above for *P. malyana* ssp. *igneiflora*.]
- Parodia tillii** Weskamp, Succulenta 67(10): 210-211, ill. (p. 201). 1988. Typus: *Till* 96 (WU).
- Parodia zecheri* ssp. *elachista* (Brandt) Brandt, Kakt. Orch.-Rundschau 13(1): 1. 1988. *Nom. inval.* (Art. 33.2), based on *Parodia elachista*.
- Pilosocereus** subgen. **Floribunda** (Ritter) P. J. Braun, Bradleya 6: 90. 1988. Basionym: *Floribunda*.
- Pilosocereus** subgen. **Lagenopsis** (Buxbaum) P. J. Braun, Bradleya 6: 89. 1988. Basionym: *Coleocephalocereus* subgen. *Lagenopsis*.
- Pilosocereus diersianus** (Esteves) P. J. Braun, Bradleya 6: 88. 1988. Basionym: *Pseudopilocereus diersianus*.
- Pilosocereus parvus** (Diers & Esteves) P. J. Braun, Bradleya 6: 88. 1988. Basionym: *Pseudopilocereus parvus*.
- Pilosocereus pleurocarpus** (Ritter) P. J. Braun, Bradleya 6: 88. 1988. Basionym: *Cipocereus pleurocarpus*.
- Pilosocereus pusilliflorus** (Ritter) P. J. Braun, Bradleya 6: 90. 1988. Basionym: *Floribunda pusilliflora*.
- Pilosocereus vilaboensis** (Diers & Esteves) P. J. Braun, Bradleya 6: 88. 1988. Basionym: *Pseudopilocereus vilaboensis*.
- Rebutia pygmaea** var. **friedrichiana** (Rausch) Eriksson, Kaktus (Odense) 23(4): 81, ill. 1988. Basionym: *Rebutia friedrichiana*. [Given as 'sine comb'.]
- Sclerocactus spinosior** var. **blainei** (Welsh & Thorne) R. May, Cact. Succ. J. (US) 60(1): 35, 45. 1988. Basionym: *Sclerocactus blainei*.
- Sclerocactus spinosior** var. **schleseri** (Heil & Welsh) R. May, Cact. Succ. J. (US) 60(1): 35, 45. 1988. Basionym: *Sclerocactus schleseri*.
- × **Seleniphylchia** Süpple, Succulenta 67(12): 258-261, ills. 1988. [= (*Selenicereus* × *Epiphyllum*) × *Nopalxochia*.]
- × **Seleniphylchia** cv. **Nelson Mandela** Süpple, Succulenta 67(12): 258-261, ills. 1988. [= (*Selenicereus grandiflorus* × *Epiphyllum crenatum*) × (*Nopalxochia ackermannii* × *N. phyllanthoides*)]
- Subpilocereus mortensenii** (Croizat) Trujillo & Ponce, Ernestia 47: 28. 1988. Basionym: *Pilocereus mortensenii*.
- Subpilocereus repandus** ssp. **micracanthus** (Wagenaar-Hummelinck) Trujillo & Ponce, Ernestia 47: 28. 1988. Basionym: *Cereus margaritensis* var. *micracanthus*.
- Thelocactus bicolor** var. **commodus** Haas, Kakt. and. Sukk. 39(4): 86-87, ills. 1988. Typus: *Haas* 212 (ZSS).
- Wigginsia schaeferiana** Abraham & Theunissen, Internoto 9(1): 21-25, ills. 1988. Typus: *Abraham* 163 (KOELN [Succulentarium]). [Additional data in l.c. (2): 52-53, ills.]

CRASSULACEAE

- Crassula** cv. **Ivory Tower** Davis et al., Cact. Succ. J. (US) 60(2): 92, ill. 1988. [= *Crassula* cv. *Moonglow* × *C. falcata*. Based on Huntington BG 45207.]
- Crassula hunua** A. P. Druce, New Zealand J. Bot. 25: 128. 1987. [Nom. nov. pro *Tillaea pusilla* Kirk. Omitted from RPS 38.]
- Crassula manaia** A. P. Druce & W. R. Sykes, New Zealand J. Bot. 26: 477. 1988. Typus: *Druce* s.n. (CHR 179637).
- Crassula mataikona** A. P. Druce, New Zealand J. Bot. 25: 128. 1987. [Nom. nov. pro *Tillaea debilis* Hooker fil.. Omitted from RPS 38.]
- Crassula ruamahanga** A. P. Druce, New Zealand J. Bot. 25: 128. 1987. [Nom. nov. pro *Tillaea acutifolia* Kirk. Omitted from RPS 38.]
- Crassula tetramera** (Tölkén) A. P. Druce & W. R. Sykes, New Zealand J. Bot. 25: 128. 1987. Basionym: *Crassula sieberiana* ssp. *tetramera*.
- Dudleya pulverulenta** var. **arizonica** (Rose) S. L. Welsh, in S. L. Welsh et al., Utah Fl. (= Great Basin Natural. Mem. 9), 242. 1987. Basionym: *Dudleya arizonica*. [Omitted from RPS 38.]
- Echeveria** cv. **Salsa Verde** Davis et al., Cact. Succ. J. (US) 60(2): 93, ill. (p. 95). 1988. [= *Echeveria longissima* × *E. canaliculata*. Based on Huntington BG 45781.]
- × **Graptoveria** cv. **Opalina** Davis et al., Cact. Succ. J. (US) 60(2): 94. 1988. [= *Echeveria colorata* var. *colorata* × *Graptopetalum amethystinum*.]
- Hylotelephium almae** (Fröderström) K. T. Fu & G. Y. Rao, Acta Bot. Bor.-Occid. Sin. 8: 123. 1988. Basionym: *Sedum almae*.
- Pseudosedum** sect. **Longidentata** A. V. Palanov, Bot. Zhurn. 73: 1472. 1988. Typus: *Pseudosedum longidentatum* Borissova.
- Pseudosedum kamelinii** A. V. Palanov, Bot. Zhurn. 73(5): 717-719. 1988. Typus: *Palanov* s.n. (LE).
- Rosularia** sect. **Chrysanthae** Eggl, Bradleya 6: Suppl.: 32. 1988. Typus: *Rosularia chrysantha* (Boissier) Takhtajan.
- Rosularia alpestris** ssp. **marnieri** (Raymond-Hamet ex H. Ohba) Eggl, Bradleya 6: Suppl.: 47, ill. (p. 48, 53). 1988. Basionym: *Sedum marnieri*.
- Rosularia hirsuta** (Allioni) Eggl, Bradleya 6: Suppl.: 65, ill. (p. 66). 1988. Basionym: *Sedum hirsutum*.
- Rosularia modesta** var. **linearifolia** (Jansson) Eggl, Bradleya 6: Suppl.: 72, ill. (p. 73). 1988. Basionym: *Rosularia adenotricha* ssp. *linearifolia*.
- Rosularia radicata** (Boissier & Hohenacker) Eggl, Bradleya 6: Suppl.: 76, ill. (p. 77). 1988. Basionym: *Sedum radicosum*.
- Rosularia** × **reginae** Eggl, Bradleya 6: Suppl.: 90, ill. (p. 60). 1988. Typus: *Eggl* 812 (Z, ZSS).
- Rosularia sempervivum** ssp. **kurdica** Eggl, Bradleya 6: Suppl.: 91, ill. (p. 92). 1988. Typus: *Bornmüller* 1217 (JE, B, K, LE, W).
- Rosularia sempervivum** ssp. **libanotica** (Labillardière) Eggl, Bradleya 6: Suppl.: 93, ill. (p. 94). 1988. Basionym: *Cotyledon libanotica*.
- Rosularia sempervivum** ssp. **persica** (Boissier) Eggl, Bradleya 6: Suppl.: 95. 1988. Basionym: *Umbilicus persicus*.
- Rosularia sempervivum** ssp. **pestalozzae** (Boissier) Eggl, Bradleya 6: Suppl.: 98, ill. (p. 99). 1988. Basionym: *Umbilicus pestalozzae*.
- Rosularia wilczekiana** (Font Quer) Eggl, Bradleya 6: Suppl.: 105, ill. (p. 106). 1988. Basionym: *Sedum wilczekianum*.
- Sedum campanulatum** (Willkomm) F. Fernandez & P. Canto, Lazaroa 6: 187. 1985. Basionym: *Sedum villosum* var. *campanulatum*. [Vol. for 1984, published 1985. So far omitted from RPS.]
- Sedum dimorphophyllum** K. T. Fu & G. Y. Rao, Acta Bot. Bor.-Occid. Sin. 8: 117. 1988. Typus: *Sichuan Exped. Biol. Res.* 304 (CDBI).
- Sedum hangzhouense** K. T. Fu & G. Y. Rao, Acta Bot. Bor.-Occid. Sin. 8: 119. 1988. Typus: *Anonymus* "s. coll. no. 71" (SZ).
- Sedum latentibulosum** K. T. Fu & G. Y. Rao, Acta Bot. Bor.-Occid. Sin. 8: 122. 1988. Typus: *Fu* 19565 (WUG).
- Sedum nanchuanense** K. T. Fu & G. Y. Rao, Acta Bot. Bor.-Occid. Sin. 8: 116. 1988. Typus: *Guan et al.* 1041 (WUG, CDBI).
- Sedum orbatum** Moran & Meyran, Cact. Suc. Mex. 33(3): 55-59, 76, ill. 1988. Typus: *Otero* 62 (MEXU).
- Sedum quadrifidum** ssp. **coccineum** (Royle) J. P. Kozhevnikov, Bot. Zhurn. 73: 420. 1988. Basionym: *Sedum coccineum*.
- Sedum ruprechtii** (Jalas) T. Y. Omel'chuk-Myakushko, Novosti Sist. Vyssh. Nizsh. Rast. (Kiev) 1977: 124. 1978. Basionym: *Sedum telephium* ssp. *ruprechtii*.
- Sedum tamaulipense** G. L. Nesom, Sida 13: 22. 1988. Typus: *Nesom* 6166 (TEX, BH, MEXU, UAT, WTU).
- Sedum tosaense** ssp. **sinense** K. T. Fu & G. Y. Rao, Acta Bot. Bor.-Occid. Sin. 8: 121. 1988. Typus: *He* 22931 (JSBI).
- Sedum tricarpum** fa. **viride** S. Hatusima, J. Phytogeogr. Taxon. 35: 66. 1987. Typus: *Sako* s.n. (HK).
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Euphorbia nogalensis (Hässler) S. Carter, *Euphorbia* J. 5: 37-38, ills. (pp. 35-37). 1988. Basionym: *Euphorbia somalensis* var. *nogalensis*.

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