



**Repertorium
Plantarum
Succulentarum
XXXIV**

Repertorium Plantarum Succulentarum XXXIV

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

International Organization for Succulent Plant Study

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INTRODUCTION

As has been customary with earlier editions of *Repertorium Plantarum Succulentarum*, the present volume contains a number of *nomina nova* as well as bibliographical entries from earlier years which have been overlooked so far.

Validly published new names are given in bold face type, whereas italic typeface is used for those names regarded as invalid or illegitimate by the compilers. In this case, the ICBN-articles transgressed are added in brackets at the end of the entry.

Where more than one herbarium acronym is given for the type of a newly described taxon, the first indicates the herbarium where the holotype is found, the other(s) indicate herbaria to which isotypes have been distributed. For the abbreviations of specialized succulent periodicals we will in future use the abbreviations provided by 'Bibliography of Succulent Plant Periodicals' (U. Eggli in Bradleya 3, in press). For all others we have followed the guidelines of Bibliographia Periodicorum Huntianum.

A new feature introduced in this issue is the alphabetical systematic index to bibliographical entries, found at the end of the Bibliographia section. To facilitate this, the bibliographical entries have been numbered consecutively.

As with the last volume, the scanning of specialized publications has been supplemented by reference to the *Current Awareness List* prepared at R.B.G. Kew. As before, we would like to make it clear that the compilers do not accept any name that might be inadvertently validated in this volume of RPS.

A number of minor corrections to RPS 33 are appended at the end of this introduction.

VORWORT

Wie es schon in früheren Ausgaben der Fall war, enthält auch die vorliegende Nummer des *Repertorium Plantarum Succulentarum* eine Reihe von *nomina nova* und bibliographischen Einträgen aus früheren Jahren, die aber bisher übersehen worden sind.

Gültig veröffentlichte neue Namen sind in Fettschrift gesetzt; Kursivschrift wird für neue Namen verwendet, die nicht gültig publiziert worden sind. In diesem Falle werden die nicht beachteten ICBN-Artikel in Klammern zugefügt.

Wenn für den Typ eines neubeschriebenen Taxons mehr als eine Herbarium-Abkürzung angegeben wird, steht die erste Abkürzung für das Herbarium, in welchem der Holotyp deponiert wurde; die übrigen Abkürzungen bezeichnen die Herbarien, an welche Isotypen verteilt worden sind. Für die Abkürzungen von spezialisierten Sukkulenten-Zeitschriften werden wir uns ab dieser Ausgabe an die 'Bibliography of Succulent Plant Periodicals' (U. Eggli in Bradleya 3, im Druck) halten. Für alle anderen halten wir uns nach Möglichkeit an die in Bibliographia Periodicorum Huntianum gegebenen Richtlinien.

Eine in diesem Band eingeführte Neuigkeit stellt der Index zu den bibliographischen Einträgen dar, der am Ende der Bibliographie folgt. Zu diesem Zweck wurden die bibliographischen Einträge durchnummeriert und der Index verweist unter jedem Stichwort auf diese Nummern.

Die komplette Durchsicht der Spezialliteratur wurde auch dieses Jahr wieder durch Zitate aus der von den RBG Kew zusammengestellten *Current Awareness List* ergänzt. Mit aller Deutlichkeit möchten wir schliesslich wieder darauf hinweisen, dass die Bearbeiter keinen Namen anerkennen, der zufälligerweise in diesem RPS validiert worden sein könnte.

Einige kleinere Korrekturen zum RPS 83 finden sich am Schluss dieses Vorwortes.

- *Echinocereus* ser. *Fasciculatae* H. Bravo-H. (1982) is validly published. The type, *E. fasciculatus* L. Benson, was thought to be invalid, as its basionym, *Mammillaria fasciculata* Engelm. (1848), is a provisional name. However, *M. fasciculata* was subsequently validated by B. D. Jackson in 1895 and so the type of this series and the series name itself are validly published. - *Echinocereus* ser. *Fasciculatae* H. Bravo-H. (1982) ist gültig veröffentlicht. Der Typ, *E. fasciculatus* L. Benson, wurde ursprünglich als ungültiger Name betrachtet, da das zugehörige Basionym, *Mammillaria fasciculata* Engelm. (1848), nur ein provisorischer Name ist. Dieser Name wurde jedoch 1895 durch B. D. Jackson validiert, weshalb der Typ dieser Serie und damit die Serie selbst gültig ist.
- *Euphorbia hepatica* Bally & S. Carter (1982) is a later homonym (Art. 64) and has now been replaced by *E. reclinata* Bally & S. Carter in Kew Bull. 40(1):120 (1985). - *Euphorbia hepatica* Bally & S. Carter (1982) ist ein späteres Homonym (Art. 64) und wurde in Kew Bull. 40(1):120 (1985) durch *E. reclinata* Bally & S. Carter ersetzt.
- The *Euphorbia* names attributed to 'Bally & S. Carter ex S. Carter' should be cited as 'Bally & S. Carter'. We apologize for this error. - Die *Euphorbia*-Namen, die 'Bally & S. Carter ex S. Carter' zugeschrieben wurden, müssen korrekt als 'Bally & S. Carter' zitiert werden. Wir entschuldigen uns für diesen Fehler.
- *Weingartia perplexiflora* F. Brandt was given with 'W. Rausch 566' as type. It has been discovered however that the publication (Letzebueger Cacteeffren, 3(8), 1982) gives this number in the latin diagnosis and the french translation only, the german translation cites Rausch 599 as the type. - *Weingartia perplexiflora* F. Brandt wurde mit dem Typ 'W. Rausch 566' zitiert. Es wurde jedoch entdeckt, dass die Publikation (Letzebueger Cacteeffren, 3(8), 1982) diese Nummer nur in der lateinischen Diagnose und in der französischen Uebersetzung zitiert, die deutsche Uebersetzung gibt Rausch 599 als Typus.
- *Oreocereus fossulatus* var. *rubrispinus* Ritter has been reported as valid in RPS 1980. As the relevant species name is however not valid (cf. Arts. 48 and 33 Note 1), this variety is consequently also invalid (Art. 43). - *Oreocereus fossulatus* var. *rubrispinus* Ritter wurde im RPS 1980 als gültig betrachtet. Da jedoch der zugrundeliegende Artname ungültig ist (vgl. Art. 48 und 33 Note 1), ist auch die Varietät nicht gültig (Art. 43).

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NOMINA NOVA

AGAVACEAE

Sansevieria forskaliana (Schult. f.)
Hepper & Wood, Kew Bull. 38(1):83.
1983. Basionym: *Smilacina*
forskaliana.

AIZOACEAE

Cephalophyllum subg. **Homophyllum** H.
Hartmann, Biblioth. Bot. 136:52.
1983. Typus: *C. framesii* L. Bolus.
Cheiridopsis subg. **Aequifoliae** H.
Hartmann, Biblioth. Bot. 136:59.
1983. Typus: *C. pillansii*.
Cheiridopsis subg. **Odontophoroides** H.
Hartmann, Biblioth. Bot. 136:59.
1983. Typus: *C. pilosula* L. Bolus.
Conophytum lambertense var. **rolfii** (de
Boer) Rawe, Cact. Succ. J. (US)
55(1):9. 1983. *Nom. inval.* (33.2),
based on *Conophytum rolfii*.
Conophytum obcordellum fa. **stayneri**
(L. Bolus) Rawe, Cact. Succ. J.
(US) 55(1):9. 1983. Basionym:
Conophytum ursprungianum var.
stayneri.
Conophytum obcordellum fa.
ursprungianum (Tischer) Rawe, Cact.
Succ. J. (US) 55(1):9. 1983.
Basionym: *Conophytum*
ursprungianum.
Conophytum obcordellum var. **germanum**
(N. E. Br.) Rawe, Cact. Succ. J.
(US) 55(1):9. 1983. Basionym:
Conophytum germanum.
Conophytum obcordellum var. **mundum**
(N. E. Br.) Rawe, Cact. Succ. J.
(US) 55(1):9. 1983. Basionym:
Conophytum mundum.
Gibbaeum pubescens ssp. **shandii** (N.
E. Br.) H. F. Glen, Flow. Pl. Africa
47(3/4): t. 1865A. 1983. Basionym:
Mesembryanthemum shandii.
Hallianthus H. Hartmann, Bot. Jahrb.
Syst. 104(1):167. 1983. Typus:
Mesembryanthemum planum L. Bolus.
[Also in Biblioth. Bot. 136:54.]
Hallianthus planus (L. Bolus) H.
Hartmann, Bot. Jahrb. Syst.
104(1):167. 1983. Basionym:
Mesembryanthemum planum. [Also in
Biblioth. Bot. 136:54.]
Jordaniella H. Hartmann, Biblioth. Bot.
136:57. 1983. Typus:
Mesembryanthemum clavifolium.
Jordaniella clavifolia (L. Bolus) H.
Hartmann, Biblioth. Bot. 136:57.
1983. Basionym: *Mesembryanthemum*
clavifolium.
Lampranthus deltoides (L.) Glen ex
Wijnands, The Botany of the
Commelins, 148. 1983. Basionym:
Mesembryanthemum deltoides.

Lampranthus glaucus ssp. **aureus** (L.)
Glen in Wijnands, The Botany of the
Commelins, 149. 1983. *Nom. inval.*
(33.2), basionym not directly cited
(*Mesembryanthemum aureum*).
Leipoldtia subg. **Aureae** H. Hartmann,
Biblioth. Bot. 136:55. 1983. Typus:
L. frutescens (L. Bolus) H.
Hartmann.
Leipoldtia frutescens (L. Bolus) H.
Hartmann, Biblioth. Bot. 136:55.
1983. Basionym: *Cephalophyllum*
frutescens.
Mesembryanthemaceae subtribus
Leipoldtiinae H. Hartmann, Biblioth.
Bot. 136:50. 1983. Typus:
Leipoldtia L. Bolus.

ASCLEPIADACEAE

Caralluma denboefii Lavranos, Cact.
Succ. J. (US) 55(3):119-120, ills.
1983. Typus: *J. L. den Boef sub*
Lavranos 2102 (EA).
Caralluma petraea Lavranos, Cact.
Succ. J. (US) 55(1):23-24, ills. 1983.
Typus: *Collenette* 3331 (K, E).
Ceropegia candelabrum ssp. **tuberosa**
(Roxb.) H. Huber, Rev. Handbook
Flora Ceylon 4:120. 1983. Basionym:
C. tuberosa.
Ceropegia connivens fa. **angustata** R.
A. Dyer, Flow. Pl. Africa 47(3/4): t.
1872. 1983. Typus: *P. Bruyns*
379/69 (PRE 58011).
Ceropegia taprobanica H. Huber, Rev.
Handbook Flora Ceylon 4:116. 1983.
Typus: *Trimen s. n.* (PDA). [As
'nom. nov.']
Duvalia velutina Lavranos, Cact. Succ.
J. (US) 55(1):24-26, ills. 1983.
Typus: *Lavranos & Collenette* 18243
(E, MO).
Quaqua acutiloba (N. E. Br.) Bruyns,
Bradleya 1:44. 1983. Basionym:
Caralluma acutiloba.
Quaqua armata (N. E. Br.) Bruyns,
Bradleya 1:65. 1983. Basionym:
Caralluma armata.
Quaqua armata ssp. **arenicola** (N. E.
Br.) Bruyns, Bradleya 1:67-68. 1983.
Basionym: *Caralluma arenicola*.
Quaqua armata ssp. **maritima** Bruyns,
Bradleya 1:66, 68, ills. 1983.
Typus: *Bruyns* 1457 (NBG).
Quaqua armata ssp. **pilifera** Bruyns,
Bradleya 1:68, 70, ills. 1983.
Typus: *Bayer & Bruyns* 826 (NBG).
Quaqua framesii (Pillans) Bruyns,
Bradleya 1:43. 1983. Basionym:
Caralluma framesii.
Quaqua incarnata (L. f.) Bruyns,
Bradleya 1:39. 1983. Basionym:
Stapelia incarnata.

- Quaqua incarnata** ssp. **aurea** (Luckhoff) Bruyns, Bradleya 1:43. 1983. Basionym: *Caralluma aurea*.
- Quaqua incarnata** var. **tentaculata** Bruyns, Bradleya 1:40-42, ills. 1983. Typus: *Bruyns* 1666A (NBG).
- Quaqua inversa** (N. E. Br.) Bruyns, Bradleya 1:53. 1983. Basionym: *Caralluma inversa*.
- Quaqua inversa** ssp. **cincta** (Luckhoff) Bruyns, Bradleya 1:56. 1983. Basionym: *Caralluma cincta*.
- Quaqua linearis** (N. E. Br.) Bruyns, Bradleya 1:71. 1983. Basionym: *Caralluma linearis*.
- Quaqua mammillaris** (L.) Bruyns, Bradleya 1:63. 1983. Basionym: *Stapelia mammillaris*.
- Quaqua marlothii** (N. E. Br.) Bruyns, Bradleya 1:60. 1983. Basionym: *Caralluma marlothii*.
- Quaqua multiflora** (R. A. Dyer) Bruyns, Bradleya 1:68. 1983. Basionym: *Caralluma multiflora*.
- Quaqua parviflora** (Masson) Bruyns, Bradleya 1:46. 1983. Basionym: *Stapelia parviflora*.
- Quaqua parviflora** ssp. **bayeriana** Bruyns, Bradleya 1:52-53, ills. 1983. Typus: *Bruyns* 1464 (NBG).
- Quaqua parviflora** ssp. **dependens** (N. E. Br.) Bruyns, Bradleya 1:48. 1983. Basionym: *Caralluma dependens*.
- Quaqua parviflora** ssp. **gracilis** (Luckhoff) Bruyns, Bradleya 1:49. 1983. Basionym: *Caralluma gracilis*.
- Quaqua parviflora** ssp. **pulchra** Bruyns, Bradleya 1:52-54, ills. 1983. Typus: *Bruyns* 1397 (NBG).
- Quaqua parviflora** ssp. **swanepoelii** (Lavranos) Bruyns, Bradleya 1:50. 1983. Basionym: *Caralluma swanepoelii*.
- Quaqua pillansii** (N. E. Br.) Bruyns, Bradleya 1:69. 1983. Basionym: *Caralluma pillansii*.
- Quaqua pruinosa** (Masson) Bruyns, Bradleya 1:74. 1983. Basionym: *Stapelia pruinosa*.
- Quaqua ramosa** (Masson) Bruyns, Bradleya 1:74. 1983. Basionym: *Stapelia ramosa*.
- Raphionacme dyeri** Retief & Venter, S. Afr. J. Bot. 2(4):326, ill. 1983. Typus: *Rawlinson s. n.* (PRE 57731).

CACTACEAE

- Acanthorhopsalis** Kimn., Cact. Succ. J. (US) 55(4):177-181. 1983. *Nom. illeg.* (64.1), non *Acanthorhopsalis* (Schumann) B. & R., based on *Acanthorhopsalis micrantha*.
- × **Aporoheliocereus smithianus** (Sweet) P. V. Heath, Epiphytes 7(28):92. 1983. *Nom. inval.*, based on *Cereus smithianus* Sweet 1830 (*nom. inval.*).
- × **Aporoheliocereus smithianus** *nv. mallisonii* (Otto & Dietrich) P. V. Heath, Epiphytes 7(28):92. 1983. *Nom. inval.* (43.1), based on *Cereus mallisonii*.
- Arrojadoa eriocalis** var. **albicoronata** van Heek et al., Kakt. and. Sukk. 33(11):224-227, ills. 1982. Typus: *van Heek et al.*, 15. 8. 1981, ?= *Heek 81/113* ('Succulentarium', Köln).
- Discocactus zehntneri** fa. **albispinus** (Buin. & Brederoo) Riha, Kaktusy 19(2):26. 1983. Basionym: *Discocactus albispinus*.
- Echinomastus unguispinus** var. **minimus** A. Lau, Kakt. and. Sukk. 34(9):204-206, ills. 1983. Typus: *A. Lau* 1236 (ZSS).
- Echinopsis bruchii** (B. & R.) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Lobivia bruchii*.
- Echinopsis chamaecereus** Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Cereus silvestrii* Spegazzini (non *Echinopsis silvestrii* Spegazzini).
- Echinopsis crassicaulis** (Backeb. ex Kiesl.) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Lobivia crassicaulis*.
- Echinopsis elongata** (Backeb.) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Lobivia elongata*.
- Echinopsis hualfinensis** (Rausch) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Lobivia hualfinensis*.
- Echinopsis kuehnrchii** (Fric) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Lobivia kuehnrchii*.
- Echinopsis lamprochlora** (Lem.) F. A. C. Weber ex Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Cereus lamprochlorus*.
- Echinopsis pseudocandicans** (Backeb. ex Kiesl.) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Trichocereus pseudocandicans*.
- Echinopsis quinesensis** (Rausch) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Echinopsis aurea* var. *quinesensis*.
- Echinopsis walteri** (Kiesl.) Friedrich & Glätzle, Bradleya 1:96. 1983. Basionym: *Lobivia walteri*.
- Escobaria** sect. **Acharagma** N. P. Taylor, Kakt. and. Sukk. 34(8):185. 1983. Typus: *Echinocactus roseanus* Böd.
- Escobaria** sect. **Neobesseya** (B. & R.) N. P. Taylor, Kakt. and. Sukk. 34(7):155. 1983. Basionym: *Neobesseya*. Typus: *Mammillaria missouriensis* Sweet.
- Escobaria** sect. **Pleurantha** N. P. Taylor, Kakt. and. Sukk. 34(5):123. 1983. Typus: *Escobaria chihuahuensis* B. & R.

- Escobaria aguirreana** (Glass & Foster) N. P. Taylor, Kakt. and. Sukk. 34(8):185. 1983. Basionym: *Gymnocactus aguirreanus*.
- Escobaria dasyacantha** var. **chaffeyi** (B. & R.) N. P. Taylor, Kakt. and. Sukk. 34(7):157. 1983. Basionym: *Escobaria chaffeyi*.
- Escobaria dasyacantha** var. **duncanii** (Hester) N. P. Taylor, Kakt. and. Sukk. 34(7):157. 1983. Basionym: *Escobesseyia duncanii*.
- Escobaria missouriensis** var. **asperispina** (Böd.) N. P. Taylor, Kakt. and. Sukk. 34(8):185. 1983. Basionym: *Coryphantha asperispina*.
- Escobaria missouriensis** var. **similis** (Engelm.) N. P. Taylor, Kakt. and. Sukk. 34(8):184. 1983. Basionym: *Mammillaria similis*.
- Escobaria vivipara** var. **buoflora** (P. Fischer) N. P. Taylor, Kakt. and. Sukk. 34(6):140. 1983. Basionym: *Coryphantha vivipara* var. **buoflora**.
- Escobaria vivipara** var. **kaibabensis** (P. Fischer) N. P. Taylor, Kakt. and. Sukk. 34(6):139. 1983. Basionym: *Coryphantha vivipara* var. **kaibabensis**.
- Ferocactus** sect. **Bisnaga** (Orcutt) N. P. Taylor & J. Y. Clark, Bradleya 1:6. 1983. Basionym: *Bisnaga*. Typus: *Echinocactus cornigerus* DC. (= *Ferocactus latispinus* (Haw.) B. & R.)
- Gymnocactus** John & Riha, Kaktusy 19(1):22. 1981. *Nom. illeg.* (64.1), non *Gymnocactus* Backeb., based on *Gymnocactus beguinii*.
- Gymnocalycium piltziorum** B. Schütz, Kakt. and. Sukk. 33(7):144-145, ill. 1982. Typus: *Piltz* 38 (CS).
- Hatoriia epiphylloides** (Campos-Porto & Werderm.) F. Buxb. 1957, *comb. superfl.* by P. V. Heath, Epiphytes 7(28):89. 1983. Basionym: *Rhipsalis epiphylloides*.
- Hatoriia epiphylloides** fa. **bradei** (Campos-Porto & Castell.) P. V. Heath, Epiphytes 7(28):90. 1983. Basionym: *Hariota epiphylloides* var. **bradei**.
- × *Heliapocryptus* Meier, Kakt. and. Sukk. 32(7):150-152. 1981. *Nom. inval.* (H.6.4), *Heliocereus* × *Aporocactus* × *Cryptocereus*.
- Heliocereus coccineus** (DC.) Scheinvar, Cact. Suc. Mex. 28(2):43-44, ill. 1983. Neotypus: *R. Reitz*, *H. Bravo* & *L. Scheinvar* 2952 (MEXU, HBR). Basionym: *Cereus coccineus*.
- × *Heliocryptus* Meier, Kakt. and. Sukk. 32(7):150-152. 1981. *Nom. inval.* (H.6.2), *Heliocereus* × *Cryptocereus*.
- × **Heptocereus** P. V. Heath, Epiphytes 7(28):91. 1983. (*Cryptocereus* × *Heliocereus*) Synonym: × *Heliocryptus* Meier *nom. inval.*
- Islaya omasensis** C. Ostolaza & T. Mischler, Kakt. and. Sukk. 34(3):54-57, ill. 1983. Typus: 'Cactaceae 5407' (M).
- Lepismium bolivianum** (Britton) Ewald, Epiphytes 7(28):79, 93. 1983. *Nom. inval.* (33.2) based on *Hariota boliviana*.
- Mammillaria hernandezii** Glass & Foster, Cact. Succ. J. (US) 55(1):22, 36, ill. 1983. Typus: *F. Otero* & *E. Hernandez* in *F. Otero* 23 in AbG 80-057-1 (POM).
- Mammillaria rekoii** var. **aureispina** A. Lau, Cact. Suc. Mex. 28(1):19-22, ill. 1983. Typus: *A. Lau* 1055 (MEXU).
- Mammillaria rekoii** var. **leptacantha** A. Lau, Cact. Succ. J. (US) 55(2):69-70, ill. 1983. Typus: *A. Lau* 1314 (ZSS).
- × **Meierara** P. V. Heath, Epiphytes 7(28):91. 1983. (*Aporocactus* × *Cryptocereus* × *Heliocereus*) Synonym: × *Heliapocryptus* Meier *nom. inval.*
- Melocactus arcuatispinus** Brederoo & Eerkens, Succulenta 62(5):97-100, ill. 1983. Typus: *L. Horst* (& *W. Uebelmann*) HU 424 (U).
- Melocactus paucispinus** G. Heimen & R. Paul, Kakt. and. Sukk. 34(10):227-229, ill. 1983. Typus: *Heimen et al.* 81/149 ('Succulentarium', Univ. Köln).
- Monvillea jaenensis** var. **columbiana** W. Rauh, Kakteen an ihren Standorten, 174. 1979. *Nom. inval.* (36.1, 37.1).
- Opuntia scheinvariana** Paniagua, Thesis, Univ. San Carlos, Guatemala, 1980, fide Cact. Suc. Mex. 28(3):69. 1983. [*Nom. inval.* ?, Art. 29.1.] Typus: *Paniagua* 75 (USCG).
- Parodia applanata** F. Brandt, Letzeb. Cacteeffren 4(12):1-6, ill. 1983. *Nom. inval.*, based on *Parodia schwebsiana* var. **applanata** W. Hoffmann & Backeb., *nom. inval.* (9.5). Includes an emended diagnosis and *Lau s.n.*, 1970 is cited as type which could constitute a validation. [Same paper also in Kakt. Orch.-Rundschau 9(2):28-30, 1984.]
- Parodia cardenasii** var. **maior** F. Brandt, Kakt. Orch.-Rundschau 8(Sonderheft 3):36. 1983. Synonym: *Parodia chirimoyarana* F. Brandt.
- Parodia surensii** F. Brandt, Kakt. Orch.-Rundschau 8(1):1-4, ill. 1983. Typus: *K. Knize s.n.*, 1980, *ex cult.* *F. Brandt* 93/a (HEID).
- Parodia zecheri** var. **elachista** F. Brandt, Kakt. Orch.-Rundschau 8(3):54. 1983. *Nom. inval.* (33.2), based on *Parodia elachista* F. Brandt.
- Porfira schwarzii** (Fric) Crkal, Lovc Kaktusu, 395. 1983. Basionym: *Haagea schwarzii*.

- Pseudopilocereus vilaboensis** L. Diers & E. Esteves Pereira, *Kakt. and. Sukk.* 34(5):106-111, ills. 1983. Typus: *Esteves Pereira* 20 ('Succulentarium', Univ. Köln).
- Pyrrhocactus deherdtianus** Kattermann ('deherdtiana'), *Cact. Succ. J. (US)* 55(3):123, ills. 1983. *Nom. inval.*, based on *Neochilenia deherdtiana* Backeb., *nom. inval.* (37.1).
- Rebutia villazonensis** F. Brandt, *Kakt. Orch.-Rundschau* 8(2):15-18, ills. 1983. Typus: *ex cult. F. Brandt* 94/a (HEID).
- Rhipsalis brevispina** (F. Ritter) Kimn., *Cact. Succ. J. (US)* 55(4):181. 1983. Basionym: *Acanthorhipsalis brevispina*.
- Rhipsalis paranganiensis** (Cardenas) Kimn., *Cact. Succ. J. (US)* 55(4):181. 1983. Basionym: *Acanthorhipsalis paranganiensis*.
- Strombocactus disciformis** var. *seidelii* (Fric) Crkal, *Lovec Kaktusu*, 401. 1983. Basionym: *Strombocactus turbiniformis* var. *seidelii*.
- Thelocactus begunii** N. P. Taylor, *Bradleya* 1:113, in adnot. 1983. (sp. nov. as 'nom. nov.'). Typus: 'Weber's Coahuila collection' (P ?). Synonym: *Echinocactus begunii* F. A. C. Weber *ex Schumann*, *nom. illeg.* (Art. 63.1), *excl. typ.*
- Turbincarpus gielsdorfianus** (Werderm.) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Echinocactus gielsdorfianus*. [Validation of a combination published already in *Kaktusy* 17(1):17, but transgressing Art. 33.2.]
- Turbincarpus horripilus** (Lem.) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Mammillaria horripila*. [See note above.]
- Turbincarpus knuthianus** (Böd.) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Echinocactus knuthianus*. [See note above.]
- Turbincarpus saueri** (Böd.) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Echinocactus saueri*. [See note above.]
- Turbincarpus viereckii** (Werderm.) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Echinocactus viereckii*. [See note above.]
- Turbincarpus viereckii** var. *major* (Glass & Foster) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Gymnocactus viereckii* var. *major*. [See note above.]
- Turbincarpus ysabelae** (K. Schlange) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Thelocactus ysabelae*. [See note above.]
- Turbincarpus ysabelae** var. *brevispinus* (K. Schlange) John & Riha, *Kaktusy* 19(1):22. 1983. Basionym: *Thelocactus ysabelae* var. *brevispinus*. [See note above.]
- Weingartia** ser. **Nuduspermae** F. Brandt, *Kakt. Orch.-Rundschau* 8(1):6. 1983. Typus: *W. pulquinensis*.
- Weingartia** ser. **Pilosocarpae** F. Brandt, *Kakt. Orch.-Rundschau* 8(1):7. 1983. Typus: *W. haseltonii*.
- Weingartia** ser. **Tectospermae** F. Brandt, *Kakt. Orch.-Rundschau* 8(1):6-7. 1983. Typus: *W. aglaia*.
- Weingartia** subg. **Cumingia** F. Brandt, *Kakt. Orch.-Rundschau* 8(1):5-6. 1983. Typus: *W. pulquinensis*.
- Weingartia albaoides** F. Brandt, *Letzeb. Cacteehren* 4(8):2-8, ills. 1983. Typus: *K. Knize* 1266 *ex cult. F. Brandt* 102/a (HEID).
- Weingartia albaoides** ssp. *subfusca* F. Brandt, *Letzeb. Cacteehren* 4(11):1-7, ills. 1983. Typus: *K. Knize* 1255 *ex cult. F. Brandt* 102/b (HEID).
- Weingartia mairanana** F. Brandt, *Kakt. Orch.-Rundschau* 8(3):51-54, ills. 1983. Typus: *ex cult. F. Brandt* 101/a (HEID).
- Weingartia neglecta** F. Brandt, *Kakt. Orch.-Rundschau* 8(Sonderheft 3):31-34, ills. 1983. Typus: *K. Knize s.n.*, 1973, *ex cult. F. Brandt* 103/a (HEID).

COMPOSITAE

- Kleinia saginata** P. Halliday, *Kew Bull.* 37(4):633-635, ills. 1983. Typus: *Radcliffe-Smith* 5156 (K).

CRASSULACEAE

- Aeonium ciliatum** var. *palmensis* G. Kunkel, *Kanar. Inseln und ihre Pflanzenwelt*, 157. 1980. *Nom. inval.* (37.1).
- Aeonium decorum** var. *mascaense* G. Kunkel, *Kanar. Inseln und ihre Pflanzenwelt*, 157. 1980. *Nom. inval.* (36.1, 37.1).
- Crassula androsace** Sparre *ex Rossow*, *Parodiana* 2(2):238. 1983. Typus: *S. Venturi* 3373 (LIL).
- Crassula atropurpurea** var. *muirii* (Schoenl.) R. Fernandes, *Bol. Soc. Brot.* 55:98. 1982. Basionym: *C. clavifolia* var. *muirii*.
- Crassula caudiculata** Bacigalupo & Rossow, *Hickena* 2(3):9. 1983. Typus: *Troncoso et al.* 2212 (SI).
- Crassula colorata** var. *acuminata* (Reader) Toelken, *J. Adelaide Bot. Gard.* 6(2):195. 1983. Basionym: *Tillaea acuminata*.
- Crassula leachii** R. Fernandes, *Bol. Soc. Brot.* 55:95. 1982. Typus: *Leach* 8135 (PRE).
- Crassula morrumbalensis** R. Fernandes, *Bol. Soc. Brot.* 55:97. 1982. Typus: *R. Torre* 4551 (LISC).

Crassula sieberiana ssp. **rubinea** Toelken, J. Adelaide Bot. Gard. 6(2):194. 1983. Typus: *Telford* 8676 (CBG, AD, CHR, K, L, MO, NSW).

Dudleya calcicola Bartel & Shevock, Madrono 30(4):210. 1983. Typus: *Shevock* 8802 (CAS).

Dudleya verityi K. Nakai, Cact. Succ. J. (US) 55(5):196-197, ill. 1983. Typus: *K. Nakai* 204 (CAS, LA, MO, RSA, SD, US).

Echeveria papillosa Kimm. & Uhl, Cact. Succ. J. (US) 55(1):27-30, ill. 1983. Typus: *Uhl* 2589 in HBG 42174 (HNT, BH, F, US).

Jovibarba heuffelii var. **kopaonikense** (Pancic) P. Mitchell, Houslekes 14(3):76. 1983. Basionym: *Sempervivum kopaonikense*.

Jovibarba heuffelii var. **patens** (Griseb. & Schenck) P. Mitchell, Houslekes 14(3):76. 1983. Basionym: *Sempervivum patens*.

Kalanchoe boranæ Raadts, Willdenowia 13(2):378. 1983. Typus: *Bally* & *Smith* 14892 (K).

Kalanchoe germanæ R.-Hamet ex Raadts, Willdenowia 13(2):377. 1983. Typus: *Bally* X40 (EA).

Kalanchoe sexangulare var. **intermedia** (R. Fernandes) R. Fernandes, Bol. Soc. Brot. 55:99. 1982. Basionym: *K. vatrinii* var. *intermedia*.

Megalonium (A. Berger) G. Kunkel, Kanar. Inseln und ihre Pflanzenwelt, 158. 1980. Basionym: *Aeonium* sect. *Megalonium*.

Megalonium nobile (Praeger) G. Kunkel, Kanar. Inseln und ihre Pflanzenwelt, 158. 1980. Basionym: *Aeonium nobile*.

Monanthes laxiflora var. **chlorotica** (Bornmüller) G. Kunkel, Kanar. Inseln und ihre Pflanzenwelt, 158. 1980. Basionym: *Monanthes chlorotica*.

Rhodiola alsia ssp. **kawaguchii** H. Ohba, Act. Phytotax. Geobot. 32(5-6):192-195, ill. 1981. Typus: *E. Kawaguchi* s. n., 1914 (TNS).

Sedum apoleipon H. 't Hart, Willdenowia 13(2):310. 1983. Typus: *H. 't Hart* 28793 (U).

Sedum fragrans H. 't Hart, Bot. Helvet. 93(2):269-280, ill. 1983. Typus: *H. 't Hart* 26010 (no herbarium cited).

Sedum grisebachii var. **horakii** (Rohlena) H. 't Hart, Willdenowia 13(2):304. 1983. Basionym: *Sedum alpestre* var. *horakii*.

Sedum montanum ssp. **orientale** H. 't Hart, Biosyst. Study acre-Group & ser. Rupestris of Genus Sedum, 106. 1978. Typus: *H. 't Hart* s. n., 1974 in hort. U 16685 (U).

Sedum praesidis Runemark & Greuter, Willdenowia 11(1):18-19. 1981. Typus: *Greuter* 4720 (LD, G, W, Z).

Sedum rupestre ssp. **erectum** H. 't Hart, Biosyst. Study acre-Group & ser. Rupestris of Genus Sedum, 101. 1978. Typus: *Pignatti* s. n., 1974 in hort. U 16260 (U).

Sedum samium Runemark & Greuter, Willdenowia 11(1):19. 1981. Typus: *Runemark et al.* 19333 (LD).

Tylecodon kritzingeri Jaarsveld, J. S. Afr. Bot. 49(3):305-310, ill. 1983. Typus: *van Jaarsveld* & *Kritzinger* 6278 (NBG).

EUPHORBIACEAE

Euphorbia namuskluftensis Lavranos, J. S. Afr. Bot. 49(3):189, ill. 1983. Typus: *Lavranos* & *Pehlemann* 20796 (PRE).

LILIACEAE

Aloe albovestita S. Carter & P. Brandham, Bradleya 1:20-21, ill. 1983. Typus: *Bailes* 214 (K).

Aloe castellorum J. R. Wood, Kew Bull. 38(1):25. 1983. Typus: *J. R. Wood* 2504 (K).

Aloe citrina S. Carter & P. Brandham, Bradleya 1:21-23, ill. 1983. Typus: *Bally* & *Melville* 15287 (K).

Aloe glabrescens (Reynolds & Bally) S. Carter & P. Brandham, Bradleya 1:23-24, ill. 1983. Basionym: *Aloe rigens* var. *glabrescens*.

Aloe grisea S. Carter & P. Brandham, Bradleya 1:19-20, ill. 1983. Typus: *Bally* 9662 (K).

Aloe yemenica J. R. Wood, Kew Bull. 38(1):20. 1983. Typus: *J. R. Wood* 2537 (K).

Bowiea gariopensis van Jaarsveld, J. S. Afr. Bot. 49(4):343. 1983. Typus: *van Jaarsveld* 6650 (NBG).

Haworthia subsect. **Attenuatae** J. Pilbeam, Haworthia & Astroloba Coll. Guide, 15. 1983. Typus: *H. attenuata*.

Haworthia subsect. **Cymbifoliae** J. Pilbeam, Haworthia & Astroloba Coll. Guide, 15. 1983. Typus: *H. cymbiformis*.

Haworthia subsect. **Proliferae** J. Pilbeam, Haworthia & Astroloba Coll. Guide, 14. 1983. Typus: *H. marumiana*.

Haworthia subsect. **Turgidae** J. Pilbeam, Haworthia & Astroloba Coll. Guide, 15. 1983. Typus: *H. turgida*.

Haworthia comptoniana fa. **major** J. Pilbeam, Haworthia & Astroloba Coll. Guide, 57. 1983. *Nom. inval.* (37.1).

Haworthia limifolia var. **striata** J. Pilbeam, Haworthia & Astroloba Coll. Guide, 87. 1983. *Nom. inval.* (37.1).

Haworthia pygmaea fa. *crystallina* J.
Pilbeam, *Haworthia & Astroloba Coll.*
Guide, 107. 1983. *Nom. inval.*
(37.1). [Note: 'Type deposited at
Kew' is the only information given.
This is not indication of what the
type is as required by Art. 37.]

Haworthia pygmaea fa. *major* J.
Pilbeam, *Haworthia & Astroloba Coll.*
Guide, 107. 1983. *Nom. inval.*
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