



**Repertorium  
Plantarum  
Succulentarum  
XXVI-1975**



# **Repertorium Plantarum Succulentarum XXVI-1975**

*an annual index of all new names of succulent plants*

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## EDITORIAL

At the fourteenth Congress of the I.O.S. held in Barcelona in 1976 it was decided that the organisation was in a sufficiently sound financial position henceforth to publish its own Repertorium, rather than rely on the goodwill and resources of others as previously. Professor F. A. Stafleu saved the Repertorium from an early demise in 1956 and gave it international prestige as part of the Regnum Vegetabile series. When extinction again threatened in 1972, Mr. C. Glass and Mr. R. Foster of Abbey Garden Press took over and were able to introduce further improvements. To all these gentlemen we owe lasting thanks, since the Repertorium has limited sales appeal and the edition is small.

Further thanks are due to Dr. W. Cullmann, for providing the German translation in this issue, and to Dr. H. Heine for the French.

### Note de la Rédaction

Lors du quatorzième Congrès de l'I.O.S. à Barcelone en 1976, il a été décidé que l'organisation était dans une position financière suffisamment forte pour assurer elle-même la publication de son "Repertorium" au lieu de se confier à la bonne volonté et aux ressources d'autrui comme dans le passé.

M. le Professeur F. A. Stafleu avait sauvé le Repertorium de la décadence en 1956 et lui avait assuré un prestige international dans le cadre du périodique "Regnum Vegetabile", édité par l'I.A.P.T. (International Association for Plant Taxonomy). Quand une nouvelle crise menaça encore le Repertorium en 1972, M. C. Glass et M. R. Foster, de la maison "Abbey Garden Press" prit la suite et put réaliser des améliorations.

Nous devons remercier vivement ces trois personnes, étant donné que les ventes du "Repertorium" sont limitées et l'édition restreinte.

D'autres remerciements sont dus à M. W. Cullmann pour la traduction allemande dans ce numéro, et à M. H. Heine pour la traduction française.

### Vorwort des Herausgebers

Auf dem vierzehnten Kongress der I.O.S. in Barcelona wurde beschlossen, dass die Organisation sich in genügend gesunder wirtschaftlicher Lage befindet um künftig ihr eigenes Repertorium zu veröffentlichen anstatt abhängig zu sein vom guten Willen und den Hilfsmitteln anderer wie früher. Professor F. A. Stafleu rettete das Repertorium vor einem frühen Eingehen im Jahre 1956 und gab ihm internationales Ansehen als Teil der Serie Regnum Vegetabile. Als 1972 wieder das Erlöschen drohte, übernahm Mr. C. Glass und Mr. R. Foster von der Abbey Garden Press die Herausgabe und konnte weitere Verbesserungen einführen. Diesen Herren schulden wir dauernden Dank, zumal das Repertorium begrenzte Verkaufsmöglichkeiten hat und die Auflage klein ist.

Weiter ist zu danken Dr. W. Cullmann für die Besorgung der deutschen Übersetzung in dieser Ausgabe und Dr. H. Heine für die der französischen.

## NOMINA NOVA

### Agavaceae

- \**Agave guerrensis* (Mat.) Rowl., n.comb  
(= *Manfreda guerrensis* Matuda in Cact. Suc. Mex. 20: 46-48, Apr.-June 1975).  
\**Agave longiflora* (Rose) Rowl., n.comb.  
(= *Runyonia longiflora* Rose in Addisonia 7: 39, 1922; *Manfreda longiflora* Verh.-Will).  
*Manfreda guerrensis* Matuda. Cact. Suc. Mex. 20: 46-48, Apr.-June 1975.  
*Manfreda longiflora* (Rose) Verh.-Will.  
(= *Runyonia longiflora* Rose in Addisonia 7: 39, 1922) Bailey 19: 163, Aug. 1975.

### Asclepiadaceae

- Caralluma wilsonii* Bally (= *C.wilsonii* Bally nom. nud. (Art. 37), *Candollea* 21: 371, 1966), *Candollea* 29: 390, 1974.  
*Ceropegia devecchii* Chiov. var. *adelaidae* Bally (= *C. devecchii* Chiov. var. *adelaidae* Bally nom. nud. (Art. 37), *Candollea* 17: 79, 1959), *Candollea* 29: 390, 1974.  
*Orbea ciliata* (Thunberg) Leach (= *Stapelia ciliata* Thunberg, *Prodr. Pl. Cap.* 1: 46, 1794), *Kirkia* 10: 291, 1975.  
*Orbea cooperi* (N.E.Br.) Leach (= *Stapelia cooperi* N.E.Br. in Thiselton-Dyer, *Fl. Cap.* 4(1): 974, 1909), *Kirkia* 10: 291, 1975.  
*Orbea longidens* (N.E.Br.) Leach (= *Stapelia longidens* N.E.Br., *Gard. Chron.* 18: 324, 1895), *Kirkia* 10: 290, 1975.  
*Orbea macloughlinii* (Verdoorn) Leach (= *Stapelia macloughlinii* Verdoorn, *Fl. Pl. Afr.* 21: t.812, 1941, as "McLoughlinii"), *Kirkia* 10: 291, 1975.  
*Orbea namaquensis* (N.E.Br.) Leach (= *Stapelia namaquensis* N.E.Br., *Gard. Chron.* 18: 648, 1882), *Kirkia* 10: 290, 1975.  
*Orbea prognatha* (Bally) Leach (= *Stapelia prognatha* Bally, *Candollea* 18: 339, 1962), *Kirkia* 10: 290, 1975.  
*Orbea pulchella* (Masson) Leach (= *Stapelia pulchella* Masson, *Stap. Nov.*: 22, 1797), *Kirkia* 10: 290, 1975.  
*Orbea semota* (N.E.Br.) Leach (= *Stapelia semota* N.E.Br., *Cact. Succ. J. Amer.* 4: 393, 1933), *Kirkia* 10: 290, 1975.  
*Orbea tapscottii* (Verdoorn) Leach (= *Stapelia tapscottii* Verdoorn, *Kew Bull.* 1927: 357, 1927), *Kirkia* 10: 291, 1975.  
*Orbea umbracula* (Henderson) Leach (= *Stultitia umbracula* Henderson, *Fl. Pl. Afr.* 35: t.1374, 1962), *Kirkia* 10: 291, 1975.  
*Orbea verrucosa* (Masson) Leach (= *Stapelia verrucosa* Masson, *Stap. Nov.*: 11, 1797), *Kirkia* 10: 290, 1975.  
*Orbea woodii* (N.E.Br.) Leach (= *Stapelia woodii* N.E.Br., *Gard. Chron.* 11: 554, 1892.) *Kirkia* 10: 290, 1975.  
*Pectinaria stayneri* M. B. Bayer, *J. S. Afr. Bot.* 41: 166, July 1975.

- Pseudolithos cubiformis* Bally var. *viridiflorus* Horwood. *Nat. Cact. Succ. J.* 30: 88, Dec. 1975; 31, 33 (n.nud.) June 1975.  
*Pseudolithos migiurtinus* (Chiov.) Bally (= *Whitesloanea migiurtina* Chiovenda in *Malpighia XXXLV*: 541, 1937; *Lithocaulon sphaericum* Bally; *Pseudolithos sphaericus* Bally) *Nat. Cact. Succ. J.* 30: 31-32, June 1975.  
*Stapelia albopilosa* Giess. *Mitt. Bot. Staats. München* 11: 349-351, 1974.

### Cactaceae

- Acanthocalycium andreaeaeum* (Back.) Don.  
(= *Neochilenia andreaeana* Back. in *Kakt. and. Sukk.* 10: 38, 1959; *Neoporteria andreaeana* Don. & Rowl.) *Ashingtonia* 1: 125, Mar. 1975.  
*Ariocarpus retusus* Scheidw. var. *furfuraceus* (Wats.) Frank (= *Mammillaria furfuracea* Wats. in *Proc. Amer. Acad. S.* 25: 150, 1890; *Anhalonium furfuraceum* Wats.; *Ariocarpus furfuraceus* Thomps.) *Krainz Die Kakteen* 63, C VIIIb, Oct. 1975.  
*Arrojadoa albiflora* Buin. & Bred. *Succulenta* 54: [21], 22-27, Feb. 1975.  
*Blossfeldia liliputana* Werd. var. *atroviridis* (Ritt.) Krainz (= *B.liliputana* Werd. var. *atrovirens* Ritt. n.nud.; *B. atroviridis* Ritt. in *Succulenta* 44: 23, 1965) *Die Kakteen* 63, C VIe, Oct. 1975.  
*Blossfeldia liliputana* Werd. var. *campaniflora* (Back.) Krainz (= *B.campaniflora* Back. in *Cact. Succ. J. Gt. Brit.* 21: 32; 1959 & *Die Cactaceae* 3: 1668, 1959) *Die Kakteen* 63, C VIe, Oct. 1975.  
*Blossfeldia liliputana* Werd. var. *fechseri* (Back.) Krainz (= *B.fechseri* Back. in *Die Cactaceae* 6: 3909, 1962) *Die Kakteen* 63, C VIe, Oct. 1975.  
*Blossfeldia liliputana* Werd. var. *pedicellata* (Ritt.) Krainz (= *B.pedicellata* Ritt. in *Succulenta* 44: 23, 1965) *Die Kakteen* 63, C VIe, Oct. 1975.  
*Cephalocereus fulviceps* (Web.) Moore (= *Pilocereus fulviceps* Web. in *K. Sch. Gesamtb. d. Kakt.* 176, 1897) *Bailey* 19: 165, Aug. 1975.  
*Cephalocereus militaris* (Aud.) Moore (= *Cereus militaris* Audot in *Rev. Hort. Ser. II* 4: 307, 1845-46; *Pilocereus chrysomallus* Lem.) *Bailey* 19: 165, Aug. 1975.  
*Cylindropuntia* (Eng.) Moran pro sect. (Gen. *Opuntia* Mill.; Syn. *Opuntia* subg. *Cylindropuntia* Eng. in *Proc. Amer. Acad. Arts Sci.* 3: 289, 302, 1856) *Bailey* 19: 166, Aug. 1975.  
*Discocactus cephaliaciculosus* Buin. & Bred. *Kakt. and. Sukk.* 26: 97-100, May 1975.  
*Discocactus ferricola* Buin. & Bred. *Kakt. and. Sukk.* 26: 2-5, Jan. 1975.  
\*Signifies a new name, validated here for the first time.

- Discocactus griseus* Buin. & Bred. Succulenta 54: [185-189], Oct. 1975.
- Discocactus rapirhizus* Buin. & Bred. Ashingtonia 2: 44-47, Nov. 1975.
- Echinocereus morricallii* Riha. Kaktusy 11: 74-78, 1975.
- Echinopsis arachnacantha* Friedr. var. *vallegrandensis* Rausch. Kakt. and. Sukk. 26: 1-2, Jan. 1975.
- Echinopsis (Trichocereus) 'Dr. Stauch'* Strigl. (= *Trichocereus purpureopilosus* x *Echinopsis* hybr.) Kakt. and. Sukk. 26: Front cover & 101-102, May 1975.
- Echinopsis obrepanda* K. Sch. var. *aquilarii* ("aquilari") (Vasq.) Rausch (= *Lobivia aquilari* Vasquez in Kakt. and. Sukk. 25: 1-2, 1974) Lobivia I: 52, 1975.
- Echinopsis obrepanda* K. Sch. var. *calorubra* (Card.) Rausch (= *E. calorubra* Card. in Nat. Cact. Succ. J. 12: 62, 1957; *Pseudolobivia carmineoflora* Back.) Lobivia I: 52, 1975.
- \**Echinopsis obrepanda* K. Sch. var. *mizquensis* Rausch (= *Lobivia mizquensis* Rausch in Kakt. and. Sukk. 23: 151-152, 1972 ("1974")) Lobivia I: 52, 1975.
- Epiphyllum steyermarkii* Croizat. Phytologia 28: 17-20, 1974; Kakt. and. Sukk. 26: 67, Mar. 1975.
- Facheiroa cephalomelana* Buin. & Bred. Kakt. and. Sukk. 26: 121-124, June 1975.
- Gymnocalycium matoense* Buin. & Bred. Kakt. and. Sukk. 26: 265-268, Dec. 1975.
- Gymnocalycium stellatum* Speg. var. *minimum* (Paz.) Strong (= *G. asterium* Ito var. *minimum* Pazout in Friciana Rada 1 Zprav C6: 7, 1962; *G. stellatum* var. *minimum* Paz. n.nud., etc.) Nat. Cact. Succ. J. 30: 49-50, June 1975.
- Gymnocalycium stellatum* Speg. var. *paucispinum* (Back.) Strong (= *G. asterium* Ito var. *paucispinum* Back. in Kakteenlexikon 164, 1966) Nat. Cact. Succ. J. 30: 50, June 1975.
- Heliochia 'Holly Gate'* Innes (as "Heliophyllum") (x *Heliochia 'Ackermannii'* x *Heliocereus speciosus* Br. & R.) Ashingtonia 1: Front cover & 134, May 1975.
- Leptocladodia microhelia* Buxb. f. *microheliopsis* (Werd.) Krainz (= *Mammillaria microheliopsis* Werd. in Notizbl. Bot. Gart. Mus. Berlin-Dahlem 11: 278-279, 1931; *M. microhelia* var. *microheliopsis* Back.; *Lectocladodia microhelia* var. *microheliopsis* Buxb.) Die Kakteen 63, C III, Oct. 1975.
- Lobivia backebergii* Back. var. *hertrichiana* (Back.) Rausch (= *L. hertrichiana* Back. in Der Kakteenfreund II: 103, 1933; *L. allegraiana* Back.; *L. binghamiana* Back.; *L. echinata* Rausch; *L. huilcanota* Rauh & Back.; *L. incaica* Back.; *L. minuta* Ritt.; *L. planiceps* Back., etc.) Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *laui* ("lauii") (Don.) Rausch (= *L. laui* Don. in Ashingtonia I: 40, 1974) Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *oxyalabastra* (Card. & Rausch) Rausch (= *L. oxyalabastra* Card. & Rausch in Kakt. and. Sukk. 17: 76-77, 1966) Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *schieliana* (Back.) Rausch comb. illeg. (Art. 60). Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *simplex* Rausch (= *L. simplex* Rausch in Succulenta 51: 134-135, 1972; ? *L. vilcabambae* Ritt.) Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *winterana* ("winteriana") (Ritt.) Rausch (= *L. winteriana* Ritt. in Kakt. and. Sukk. 21: 146-147, 1970) Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *wrightiana* (Back.) Rausch comb. illeg. (Art. 60). Lobivia I: 20, 1975.
- Lobivia backebergii* Back. var. *zecheri* Rausch comb. illeg. (Art. 60). Lobivia I: 20, 1975.
- Lobivia cinnabarina* Br. & R. var. *acanthoplegma* (Back.) Rausch comb. illeg. (Art. 60). Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *acanthoplegma* (Back.) Rausch subvar. *neocinnabarina* (Back.) Rausch comb. illeg. (Art. 60). Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *acanthoplegma* (Back.) Rausch subvar. *oligotricha* (Card.) Rausch comb. illeg. (Art. 60). Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *acanthoplegma* (Back.) Rausch subvar. *patula* Rausch comb. illeg. (Art. 60). Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *cinnabarina* subvar. *walterspielii* (Boed.) Rausch (= *L. walterspielii* Boed. in Jahrb. D.K.G. I: 126, 1936, etc.) Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *cinnabarina* subvar. *zudanensis* (Card.) Rausch (= *L. zudanensis* Card. in Cact. Succ. J. Amer. 42: 34, 1970) Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *prestoana* (Card.) Rausch comb. illeg. (Art. 60). Lobivia I: 64, 1975.
- Lobivia cinnabarina* Br. & R. var. *prestoana* (Card.) Rausch subvar. *draxlerana* ("draxleriana") Rausch comb. illeg. (Art. 60) Lobivia I: 64, 1975.
- Lobivia maximiliana* Back. var. *caespitosa* (Purp.) Rausch (= *Echinopsis caespitosa* Purp. in Monats. f. Kakteenk. 17: 120, 1917, etc.) Lobivia I: 36, 1975.
- Lobivia maximiliana* Back. var. *charazanensis* (Card.) Rausch (= *L. charazanensis* Card. in Cactus 57: 257, 1957) Lobivia I: 36, 1975.

\*Signifies a new name, validated here for the first time.

- Lobivia maximiliana* Back. var. *corbula* (Herr.) Rausch (= *Mammillaria corbula* Herrera in Rev. Univ. Cuzco 8: 61, 1919; *Lobivia lauramarca* Rauh & Back.; *L. sicuaniensis* Rausch) *Lobivia* I: 36, 1975.
- Lobivia maximiliana* Back. var. *hermanniana* (Back.) Rausch (= *L. hermanniana* Back. in Back. & Knuth *Kaktus ABC*: 413, 1935, etc.) *Lobivia* I: 36, 1975.
- Lobivia maximiliana* Back. var. *intermedia* Rausch (= *L. intermedia* Rausch in *Kakt. and. Sukk.* 23: 263-264, 1972, etc.) *Lobivia* I: 36, 1975.
- Lobivia maximiliana* Back. var. *leptacantha* Rausch (= *L. leptacantha* Rausch in *Kakt. and Sukk.* 23: 207-208, 1972) *Lobivia* I: 36, 1975.
- Lobivia maximiliana* Back. var. *miniatiflora* (Ritt.) Rausch (= *L. miniatiflora* Ritt. in *Taxon* 12: 124, 1963) *Lobivia* I: 36, 1975.
- Lobivia maximiliana* Back. var. *quiabayensis* Rausch (= *L. quiabayensis* Rausch in *Kakt. and. Sukk.* 19: 22-23, 1968) *Lobivia* I: 36, 1975.
- Lobivia maximiliana* Back. var. *westii* (Hutch.) Rausch (= *L. westii* Hutch. in *Cact. Succ. J. Amer.* 26: 81-83, 1954; *L. aureosenilis* Knize; *L. cruciaureispina* Knize) *Lobivia* I: 36, 1975.
- Lobivia pentlandii* Br. & R. var. *hardeniana* (Boed.) Rausch (= *Echinopsis (Lobivia) hardeniana* Boed. in *Jahrb. D.K.G.* I: 24-25, 1935; *L. boliviensis* Werd., *L. aurantiaca* Back.) *Lobivia* I: 44, 1975.
- Lobivia pentlandii* Br. & R. var. *larae* (Card.) Rausch (= *L. larae* Card. in *Cact. Succ. J. Amer.* 36: 24-25, 1964, etc.) *Lobivia* I: 44, 1975.
- Lobivia tegelerana* ("tegeleriana") Back. var. *akersii* Rausch (= *L. akersii* Rausch in *Kakt. and. Sukk.* 24: 25, 28, 1973; *L. churinensis* Johns. n.nud.; *L. oyonica* Akers n.nud.) *Lobivia* I: 8, 1975.
- Lobivia tegelerana* ("Tegeleriana") Back. var. *incuiensis* (Rauh & Back.) Rausch (= *L. incuiensis* Rauh & Back. in *Back. Descr. Cact. Nov. I*: 28, 1956) *Lobivia* I: 8, 1975.
- Lophophora jourdaniana* Habermann. *Kaktusy* 11: 3-6, 1975.
- Mammillaria heidiae* Krainz. *Kakt. and. Sukk.* 26: 217-218, Oct. 1975 & *Die Kakteen* 63, C VIIIc, Oct. 1975.
- Mediolobivia spiralispala* Schütz (= *Pygmaelobivia spiralispala* Jajo n.nud.; *Mediolobivia spiralispala* Bred. comb.nud.) *Kaktusy* 11: 51-53, 1975.
- Melocactus diersiana* Buin. & Bred. *Kakt. and. Sukk.* 26: 169-171, Aug. 1975.
- Melocactus florschutzianus* Buin. & Bred. *Ashingtonia* 2: 25-27, Sept. 1975.
- Melocactus inconcinus* Buin. & Bred. *Kakt. and. Sukk.* 26: 193-195, Sept. 1975.
- Neolloydia macdowellii* (Reb. ex Quehl) Moore (= *Echinocactus macdowellii* Rebut ex Quehl in *Monats. f. Kakt.* 4: 133, 1894; *Echinomastus macdowellii* Br. & R.) *Baileya* 19: 166, Aug. 1975.
- Neolloydia subterranea* (Back.) Moore (= *Echinocactus subterraneus* Back. in *Der Kakteen-Freund* 1: 110, 1932; *Gymnocactus subterraneus* Back.) *Baileya* 19: 165-166, Aug. 1975.
- Notocactus agnetae* v. Vliet var. *agnetae*. *Succulenta* 54: 6-11, Jan. 1975.
- Notocactus agnetae* v. Vliet var. *aureispinus* v. Vliet. *Succulenta* 54: 6-11, Jan. 1975.
- Notocactus agnetae* v. Vliet var. *minor* v. Vliet. *Succulenta* 54: 6-11, Jan. 1975.
- Notocactus ottonis* Berg. var. *janousekianus* Papousek. *Kaktusy* 11: 123-126, 1975.
- Notocactus sordianus* v. Vliet. *Succulenta* 54: 72-75, Apr. 1975.
- Notocactus winkleri* v. Vliet. *Succulenta* 54: 136-139, July 1975.
- Opuntia humifusa* Raf. var. *austrina* (Small) Dress (= *O. austrina* Small in *Fl. S.E. U.S.* 816, 1335, 1903; *O. compressa* var. *austrina* Bens.) *Baileya* 19: 164-165, Aug. 1975.
- Parodia buxbaumiana* Brandt. *Kaktus (Denmark)* 10: 81-83, Oct. 1975.
- Parodia canpestra* Brandt. *Kaktus (Denmark)* 10: 61-64, July 1975.
- Parodia lychnosa* Brandt. *Kaktus (Denmark)* 10: 42-43, Apr. 1975.
- Parodia parvula* Brandt. *Kaktus (Denmark)* 10: 6-8, Jan. 1975.
- Parodia salmonea* Brandt var. *lau-multicostata* Brandt. *Kakt. Orchid. Rundschau* 1, 1975/76: 3-4, Sept. 1975.
- Pseudopilocereus azureus* Buin. & Bred. *Kakt. and Sukk.* 26: 241-243, Nov. 1975.
- Pseudopilocereus werdermannianus* Buin. & Bred. *Kakt. and. Sukk.* 26: 74-77, Apr. 1975.
- Pyrrhocactus* (Berg. ex Back.) Don. & Rowl. pro subg. (Gen. *Neoporteria* Br. & R.; Syn. *Pyrrhocactus* Berg. in *Kakteen* 215, 345, 1929, etc. pro gen.) *Baileya* 19: 164, Aug. 1975.
- Pyrrhocactus pachacoensis* Rausch. *Kakt. and. Sukk.* 26: 73-74, Apr. 1975.
- Rebutia christinae* Rausch. *Kakt. and. Sukk.* 26: 145-146, July 1975.
- Rebutia diersiana* Rausch. *Kakt. and. Sukk.* 26: 25-26, Feb. 1975.
- Rebutia diersiana* Rausch var. *atrovirens* Rausch. *Kakt. and. Sukk.* 26: 26, Feb. 1975.
- Rebutia frohlichiana* Rausch. *Succulenta* 54: 225, 226, Dec. 1975.
- Rebutia leucanthema* Rausch. *Kakt. and. Sukk.* 26: 125, June 1975.
- Rebutia minuscula* K. Sch. ssp. *grandiflora* (Back.) Don. (= *R. grandiflora* Back. in *Back. & Knuth Kaktus ABC*: 416, 1935; *R. minuscula* var. *grandiflora* Krainz) *Ashingtonia* 2: 43, Nov. 1975.
- Rebutia minuscula* K. Sch. ssp. *violaciflora* (Back.) Don. (= *R. violaciflora* Back. in *Blatt. f. Kakt.* 1935: 8; *R. carminea* Buin.; *R. minuscula* f. *violaciflora* Buin. & Don.) *Ashingtonia* 2: 43, Nov. 1975.



*Rebutia minuscula* K. Sch. ssp. *violaciflora* Don. f. *kariusiana* (Wessn.) Don. (= *R.kariusiana* Wessn. in Kakt. and. Sukk. 14: 149, 1963; *R.calliantha* var. *kariusiana* Buin. & Don.) Ashingtonia 2: 43, Nov. 1975.

*Rebutia schatzliana* Rausch. Kakt. and. Sukk. 26: 244-245, Nov. 1975.

*Rebutia senilis* Back. ssp. *chrysacantha* (Back.) Don. (= *R.chrysacantha* Back. in Back. & Knuth Kaktus ABC: 416, 1935) Ashingtonia 2: 50, Nov. 1975.

*Rebutia senilis* Back. ssp. *chrysacantha* Don. f. *schieliana* (Bew.) Don. (= *R.senilis* var. *schieliana* Bew. in Kakt. and. Sukk. 8: 105, 1957) Ashingtonia 2: 50, Nov. 1975.

*Rebutia tarijensis* Rausch. Kakt. and. Sukk. 26: 195-196, Sept. 1975.

*Rebutia xanthocarpa* Back. f. *graciliflora* (Back.) Don. (= *R.graciliflora* Back. in Descr. Cact. Nov. III: 13, 1963; *R.salmonea* Fric) Ashingtonia 2: 50, Nov. 1975.

*Rhipsalis kirbergii* Barthlott. Trop. u. Subtr. Pflanzenw. 10: 11-15, 1974.

*Rhipsalis kirbergii* Barthl. var. *monticola* Barthlott Trop. u. Subtr. Pflanzenw. 10: 15, 1974.

*Rhipsalis rauhiorum* Barthlott. Trop. u. Subtr. Pflanzenw. 10: 15-21, 1974.

*Schlumbergera truncata* 'Lilac Beauty' Innes. Ashingtonia 1: 139, 143, May 1975.

*Sulcorebutia cardenasiana* Vasq. Kakt. and. Sukk. 26: 49, Mar. 1975.

*Tephrocactus* (Lem.) Moran pro sect. (Gen. *Opuntia* Mill.; Syn. *Tephrocactus* Lem. pro gen. in Les Cactées 88-89, 1868) Bailey 19: 166, Aug. 1975.

*Thelocactus hexaedrophorus* Br. & R. var. *lloydii* (Br. & R.) Klad. & Fittk. (= *T.lloydii* Br. & R. in Cactaceae 4: 11, 1923) Krainz Die Kakteen 61, C VIIIb, Apr. 1975.

*Thelocactus horripilus* (Lem.) Klad. & Fittk. (= *Mammillaria horripila* Lem. in Cact. Aliq. Nov. 7, 1838; *Neolloydia horripila* Br. & R.; *Gymnocactus horripilus* Back; *Thelocactus goldii* Bravo) Krainz Die Kakteen 61, C VIIIb Apr. 1975.

*Thelocactus lophothele* Br. & R. var. *nidulans* (Quehl) Klad. & Fittk. (= *Echinocactus nidulans* Quehl in Monats. Kakteenk. 21: 119, 1911) Krainz Die Kakteen 61, C VIIIb, Apr. 1975.

*Thelocactus macdowellii* (Reb.) Klad. & Fittk. (= *Echinocactus macdowellii* Rebut in Monats. Kakteenk. 4: 133, 1894) Krainz Die Kakteen 61, C VIIIb, Apr. 1975.

*Thelocactus schottii* (Eng.) Klad. & Fittk. comb. illeg. (Art. 60). (= *T.flavidispinus* Back. in Cact. Succ. J. Amer. 23: 150, 1951). Krainz Die Kakteen 61, C VIIIb, Apr. 1975.

### Compositae

*Graciela* Rzedowski (Typ. *G.frankenoides* Rzed.) Cact. Suc. Mex. 20: 27-31, Apr.-June 1975.

*Graciela frankenioides* Rzedowski Cact. Suc. Mex. 20: 27-31, Apr.-June 1975.

### Crassulaceae

x *Aeoniogreenovia* Vogg. gen. hybr. illeg. (= x *Greenonium* Rowl.) Diss. Bot. 26: 317-324, 1974.

x *Aeoniogreenovia lambii* ("lambi") Vogg. n. illeg. (= *Aeonium sphathulatum* Praeg. x *Greenovia aurea* Webb & Berth.) Diss. Bot. 26: 317-324 1974.

*Crassula alba* Forsk. var. *parvisepala* (Schoenl.) Toelk. (= *C.rubicunda* var. *parvisepala* Schoenl. in Trans. Roy. Soc. S. Afr. 17: 231, 1929) J. S. Afr. Bot. 41: 93, Apr. 1975.

*Crassula alpestris* Thunb. subsp. *massonii* (Br. & Bak.) Toelk. (= *C.massonii* Br. & Bak. in J. Bot. 35: 485, 1897) J. S. Afr. Bot. 41: 93, Apr. 1975.

*Crassula ammophila* Toelk. J. S. Afr. Bot. 41: 94-95, Apr. 1975.

*Crassula arborescens* Willd. subsp. *undulatifolia* Toelk. J. S. Afr. Bot. 41: 95, Apr. 1975.

*Crassula atropurpurea* Dietr. var. *anomala* (Sch. & Bak.) Toelk. (= *C.anomala* Schoenl. & Bak. in J. Bot. 36: 370, 1898) J. S. Afr. Bot. 41: 96, Apr. 1975.

*Crassula atropurpurea* Dietr. var. *cultriformis* (Friedr.) Toelk. (= *C.cultriformis* Friedr. in Mitt. Bott. Staats. München 6: 638, 1967) J. S. Afr. Bot. 41: 96, Apr. 1975.

*Crassula atropurpurea* Dietr. var. *cultriformis* (Schoenl.) Toelk. (= *C.purcellii* Schoenl. in Rec. Albany Mus. 2: 148, 1907) J. S. Afr. Bot. 41: 96, Apr. 1975.

*Crassula atropurpurea* Dietr. var. *rubella* (Compt.) Toelk. (= *C.rubella* Compton in Trans. Roy. Soc. S. Afr. 19: 291, 1931) J. S. Afr. Bot. 41: 96, Apr. 1975.

*Crassula atropurpurea* Dietr. var. *watermeyeri* (Compt.) Toelk. (= *C.watermeyeri* Compton in J. Bot. 69: 49, 1931) J. S. Afr. Bot. 41: 96, Apr. 1975.

*Crassula ausensis* Hutch. subsp. *giessii* (Friedr.) Toelk. (= *C.giessii* Friedr. in Mitt. Bot. Staatss. München 11: 330, 1974) J. S. Afr. Bot. 41: 96, Apr. 1975.

*Crassula barbata* Thunb. subsp. *broomii* (Schoenl.) Toelk. (= *C.broomii* Schoenl. in Rec. Albany Mus. 2: 146, 1907) J. S. Afr. Bot. 41: 97, Apr. 1975.

*Crassula brachystachya* Toelk. J. S. Afr. Bot. 41: 97-98, Apr. 1975.

*Crassula brevifolia* Harv. subsp. *psammophila* Toelk. J. S. Afr. Bot. 41: 98-99, Apr. 1975.

*Crassula campestris* (Eckl. & Zeyh.) Endl. ex Walp. subsp. *pharnaceoides* (Fisch. & Mey.) Toelk. (= *C.pharnaceoides* Fisch. & Mey. in Ind. Sem. Hort. Petr. 8: 56, 1841; *Tillaea pharnaceoides* Steud.) J. S. Afr. Bot. 41: 99, Apr. 1975.

*Crassula capensis* (L.) Baill. var. *albertinae* (Schoenl.) Toelk. (= *C.albertinae* Schoenl. in Ann. Bol. Herb. 2: 93, 1917) J. S. Afr. Bot. 41: 99, Apr. 1975.

- Crassula capensis* (L.) Baill. var. *promontorii* (Sch. & Bak.) Toelk. (= *C.promontorii* Schoenl. & Bak. in J. Bot. 36: 366, 1898) J. S. Afr. Bot. 41: 99, Apr. 1975.
- Crassula capitella* Thunb. subsp. *enantiophylla* (Bak.) Toelk. (= *C.enantiophylla* Bak. in Bull. Herb. Boiss. Ser. II 3: 816, 1903) J. S. Afr. Bot. 41: 100, Apr. 1975.
- Crassula capitella* Thunb. subsp. *meyeri* (Harv.) Toelk. (= *C.meyeri* Harv. in Fl. Cap. 2: 344, 1862) J. S. Afr. Bot. 41: 100, Apr. 1975.
- Crassula capitella* Thunb. subsp. *nodulosa* (Schoenl.) Toelk. (= *C.nodulosa* Schoenl. in Rec. Albany Mus. 1: 56, 1903) J. S. Afr. Bot. 41: 100, Apr. 1975.
- Crassula capitella* Thunb. subsp. *thyrsiflora* (Thunb.) Toelk. (= *C.thyrsiflora* Thunb. in Acta Nova Phys.-Med. Acad. Caes. Leop.-Car. Nat.Cur. 6: 329, 339, 1778; *C.turrita* Thunb.) J. S. Afr. Bot. 41: 100, Apr. 1975.
- Crassula congesta* N.E.Br. subsp. *laticephala* (Schoenl.) Toelk. (= *C.laticephala* Schoenl. in Rec. Albany Mus. 2: 457, 1913) J. S. Afr. Bot. 41: 101, Apr. 1975.
- Crassula corallina* Thunb. subsp. *macrorrhiza* Toelk. J. S. Afr. Bot. 41: 101-102, Apr. 1975.
- (Adams.) Toelk. (= *C.brachyphylla* Adams. in J. S. Afr. Bot. 8: 276, 1942) l.c. 41: 102, Apr. 1975.
- Crassula elegans* Sch. & Bak. subsp. *namibensis* (Friedr.) Toelk. (= *C.namibensis* Friedr. in Mitt. Bot. Staatss. München 6: 632, 1967) J. S. Afr. Bot. 41: 102, Apr. 1975.
- Crassula elstiae* Toelk. J. S. Afr. Bot. 41: 102-103, Apr. 1975.
- Crassula ericoides* Haw. subsp. *tortuosa* Toelk. J. S. Afr. Bot. 41: 103-104, Apr. 1975.
- Crassula exilis* Harv. subsp. *cooperi* (Reg.) Toelk. (= *C.cooperi* Regel in Gartenflora 36: 1786, 1874) J. S. Afr. Bot. 41: 104, Apr. 1975.
- Crassula exilis* Harv. subsp. *sedifolia* (N.E.Br.) Toelk. (= *C.sedifolia* N.E.Br. in Gard. Chron. Ser. III 32: 429, 1902) J. S. Afr. Bot. 41: 104, Apr. 1975.
- Crassula expansa* Ait. subsp. *filicaulis* (Haw.) Toelk. (= *C.filicaulis* Haw. in Phil. Mag. 24: 187, 1824) J. S. Afr. Bot. 41: 105, Apr. 1975.
- Crassula expansa* Ait. subsp. *fragilis* (Bak.) Toelk. (= *C.fragilis* Bak. in J.Linn. Soc. Bot. 22: 469, 1887; *C.browniana* Burtt Davy) J. S. Afr. Bot. 41: 105, Apr. 1975.
- Crassula expansa* Ait. subsp. *peculiaris* Toelk. J. S. Afr. Bot. 41: 105, Apr. 1975.
- Crassula expansa* Ait. subsp. *pyrifolia* (Compt.) Toelk. (= *C.pyrifolia* Compton in J. Bot. 70: 283, 1932) J. S. Afr. Bot. 41: 106, Apr. 1975.
- Crassula garibina* Marl. & Sch. subsp. *glabra* Toelk. J. S. Afr. Bot. 41: 106, Apr. 1975.
- Crassula globularioides* Britt. subsp. *argyrophylla* (Sch. & Bak.) Toelk. (= *C.argyrophylla* Diels ex Schoenl. & Bak. in J. Bot. 40: 290, 1902) J. S. Afr. Bot. 41: 106, Apr. 1975.
- Crassula globularioides* Britt. subsp. *illichiana* (Engl.) Toelk. (= *C.illichiana* Engl. in Bot. Jahrb. 39: 465, 1907) J. S. Afr. Bot. 41: 106, Apr. 1975.
- Crassula grammanthoides* (Schoenl.) Toelk. (= *Dinacria grammanthoides* Schoenl. in Bull. Herb. Boiss. Ser. I 5: 859, 1897) J. S. Afr. Bot. 41: 106, Apr. 1975.
- Crassula 'Isabella'* Boom. Succulenta 54: 219-220, Nov. 1975.
- Crassula lanuginosa* Harv. var. *pachystemon* (Sch. & Bak.) Toelk. (= *C.pachystemon* Schoenl. & Bak. in J. Bot. 36: 367, 1898; *C.ernestii* Schoenl. & Bak.) J. S. Afr. Bot. 41: 106-107, Apr. 1975.
- Crassula latibracteata* Toelk. J. S. Afr. Bot. 41: 107-108, Apr. 1975.
- Crassula mesembryanthoides* (Haw.) Dietr. subsp. *hispida* (Haw.) Toelk. (= *Globulea hispida* Haw. in Phil. Mag. 66: 30, 1825; *Crassula hispida* Dietr.) J. S. Afr. Bot. 41: 108, Apr. 1975.
- Crassula minuta* Toelk. J. S. Afr. Bot. 41: 108-109, Apr. 1975.
- Crassula montana* Thunb. subsp. *quadrangularis* ("quadrangularis") (Schoenl.) Toelk. (= *C.quadrangularis* Schoenl. in Rec. Albany Mus. 1: 57, 1903) J. S. Afr. Bot. 41: 109, Apr. 1975.
- Crassula multicava* Lem. subsp. *floribunda* Friedr. ex Toelk. J. S. Afr. Bot. 41: 109-110, Apr. 1975.
- Crassula multiflora* Sch. & Bak. subsp. *leucantha* (Sch. & Bak.) Toelk. (= *C.leucantha* Schoenl. & Bak. in J. Bot. 36: 369, 1898) J. S. Afr. Bot. 41: 110, Apr. 1975.
- Crassula muscosa* L. var. *parvula* (Eckl. & Zeyh.) Toelk. (= *Tetraphyle parvula* Eckl. & Zeyh. in Enum. 294, 1837; *Crassula parvula* Endl. ex Walp.) J. S. Afr. Bot. 41: 111, Apr. 1975.
- Crassula muscosa* L. var. *rigida* Toelk. J. S. Afr. Bot. 41: 111, Apr. 1975.
- Crassula muscosa* L. var. *sinuata* Toelk. J. S. Afr. Bot. 41: 111-112, Apr. 1975.
- Crassula namaquensis* Sch. & Bak. subsp. *comptonii* (Hutch. & Pill.) Toelk. (= *C.comptonii* Hutch. & Pill. in Hutch. Bot. in S. Afr. 149, 1946) J. S. Afr. Bot. 41: 112, Apr. 1975.
- Crassula namaquensis* Sch. & Bak. subsp. *lutea* (Schoenl.) Toelk. (= *C.namaquensis* var. *lutea* Schoenl. in Rec. Albany Mus. 1: 117, 1904; *C.lutea* Friedr.) J. S. Afr. Bot. 41: 112, Apr. 1975.
- Crassula natans* Thunb. var. *filiformis* (Eckl. & Zeyh.) Toelk. (= *Bullardia filiformis* Eckl. & Zeyh. Enum. 290, 1837; *Helophytum natans* Eckl. & Zeyh. var. *filiformis* Harv.; *Crassula natans* Thunb. f. *filiformis* Schoenl.) J. S. Afr. Bot. 41: 112, Apr. 1975.

- Crassula nudicaulis* L. var. *herrei* (Friedr.) Toelk. (= *C.herrei* Friedr. in Mitt. Bot. Staatss. München 6: 640, 1967) J. S. Afr. Bot. 41: 113, Apr. 1975.
- Crassula nudicaulis* L. var. *platyphylla* (Harv.) Toelk. (= *C.platyphylla* Harv. in Fl. Cap. 2: 363, 1862) J. S. Afr. Bot. 41: 113, Apr. 1975.
- Crassula obovata* Haw. var. *dregeana* (Harv.) Toelk. (= *C.dregeana* Harv. in Fl. Cap. 2: 346, 1862) J. S. Afr. Bot. 41: 113, Apr. 1975.
- Crassula pageae* Toelk. (= *Pagella archeri* Schoenl. in Ann. Bol. Herb. 3: 67, 1921, non *C.archeri* Compt.) J. S. Afr. Bot. 41: 113, Apr. 1975.
- Crassula pellucida* L. subsp. *alsinoides* (Hook.f.) Toelk. (= *Tillaea alsinoides* Hook.f. in J.Linn. Soc. Bot. 7: 192, 1864; *Crassula alsinoides* Engl.) J. S. Afr. Bot. 41: 114, Apr. 1975.
- Crassula pellucida* L. subsp. *brachypetala* (Drège ex Harv.) Toelk. (= *C.brachypetala* Drège ex Harv. in Fl. Cap. 2: 354, 1862) J. S. Afr. Bot. 41: 114, Apr. 1975.
- Crassula pellucida* L. subsp. *marginalis* (Ait.) Toelk. (= *C.marginalis* Ait. in Hort. Kew. Edn. I 1: 396, 1789) J. S. Afr. Bot. 41: 114, Apr. 1975.
- Crassula pellucida* L. subsp. *spongiosa* Toelk. J. S. Afr. Bot. 41: 114-115, Apr. 1975.
- Crassula perfoliata* ("perofliata") L. var. *falcata* (Wendl.) Toelk. (= *C.falcata* Wendl. in Bot. Beobacht. 44, 1798) J. S. Afr. Bot. 41: 115, Apr. 1975.
- Crassula perfoliata* ("perofliata") L. var. *heterotricha* (Schinz) Toelk. (= *C.heterotricha* Schinz in Bull. Herb. Boiss. Ser. I 2: 203, 1894) J. S. Afr. Bot. 41: 115, Apr. 1975.
- Crassula pubescens* Thunb. subsp. *radicans* (Haw.) Toelk. (= *Globulea radicans* Haw. in Phil. Mag. 66: 27, 1827; *Crassula radicans* Dietr.) J. S. Afr. Bot. 41: 115-116, Apr. 1975.
- Crassula pubescens* Thunb. subsp. *rattrayi* (Sch. & Bak.) Toelk. (= *C.rattrayi* Schoenl. & Bak. in J. Bot. 40: 290, 1902) J. S. Afr. Bot. 41: 116, Apr. 1975.
- Crassula rupestris* Thunb. subsp. *commutata* (Friedr.) Toelk. (= *C.commutata* Friedr. in Mitt. Bot. Staatss. München 6: 623, 1967) J. S. Afr. Bot. 41: 116, Apr. 1975.
- Crassula rupestris* Thunb. subsp. *marnierana* (Hub. & Jac.) Toelk. (= *C.marnierana* Hub. & Jac. in Cactus 31 Suppl. 8, 1952) J. S. Afr. Bot. 41: 116, Apr. 1975.
- Crassula sarmentosa* Harv. var. *integrifolia rupicola* Toelk. (= *C.sarcoaulis* sensu Schoenl. in Trans. Roy. Soc. S. Afr. 17: 214, 1929, non Eckl. & Zeyh.) J. S. Afr. Bot. 41: 116-117, Apr. 1975.
- Crassula sarmentosa* Harv. var. *integrifolia* Toelk. J. S. Afr. Bot. 41: 117, Apr. 1975.
- Crassula schimperi* Fisch. & Mey. var. *lanceolata* (Eckl. & Zeyh.) Toelk. (= *Tetraphyle lanceolata* Eckl. & Zeyh. in Enum. 294, 1837; *Crassula lanceolata* Endl. ex Walp.; *C.filamentosa* Schoenl.) J. S. Afr. Bot. 41: 117-118, Apr. 1975.
- Crassula sebaeoides* (Eckl. & Zeyh.) Toelk. (= *Grammanthes sebaeoides* Eckl. & Zeyh. in Enum. 303, 1837; *G.gentianoides* DC. var. *sebaeoides* Harv.; *Dinacria sebaeoides* Schoenl.) J. S. Afr. Bot. 41: 118, Apr. 1975.
- Crassula sediflora* (Eckl. & Zeyh.) Endl. ex Walp. var. *amatolica* (Schoenl.) Toelk. (= *C.amatolica* Schoenl. in Trans. Roy. Soc. S. Afr. 17: 240, 1929) J. S. Afr. Bot. 41: 118, Apr. 1975.
- Crassula sericea* Schoenl. var. *hottentotta* (Marl. & Schoenl.) Toelk. (= *C.hottentotta* Marl. & Schoenl. in Trans. Roy. Soc. S. Afr. 17: 256, 1929) J. S. Afr. Bot. 41: 118, Apr. 1975.
- Crassula sericea* Schoenl. var. *velutina* (Friedr.) Toelk. (= *C.velutina* Friedr. in Mitt. Bot. Staatss. München 6: 653, 1967) J. S. Afr. Bot. 41: 118, Apr. 1975.
- Crassula setulosa* Harv. var. *longiciliata* Toelk. J. S. Afr. Bot. 41: 119, Apr. 1975. Jahrb. 39: 467, 1907) J. S. Afr. Bot. 41: 118-119, Apr. 1975.
- Crassula setulosa* Harv. var. *longiciliata* Toelk. J. S. Afr. Bot. 41: 119, Apr. 1975.
- Crassula southii* Schoenl. subsp. *sphaerocephala* Toelk. J. S. Afr. Bot. 41: 120, Apr. 1975.
- Crassula subaphylla* (Eckl. & Zeyh.) Harv. var. *virgata* (Harv.) Toelk. (= *C.virgata* Harv. in Fl. Cap. 2: 360, 1862) J. S. Afr. Bot. 41: 120-121, Apr. 1975.
- Crassula subulata* L. var. *fastigiata* (Schoenl.) Toelk. (= *C.fastigiata* Schoenl. in Trans. Roy. Soc. S. Afr. 17: 261, 1929) J. S. Afr. Bot. 41: 121, Apr. 1975.
- Crassula subulata* L. var. *hispida* (Sch. & Bak.) Toelk. (= *C.hispida* Schoenl. & Bak. in J. Bot. 36: 368, 1898) J. S. Afr. Bot. 41: 121, Apr. 1975.
- Crassula tetragona* L. subsp. *acutifolia* (Lam.) Toelk. (= *C.acutifolia* Lam. in Encycl. 2: 175, 1783) J. S. Afr. Bot. 41: 121, Apr. 1975.
- Crassula tetragona* L. subsp. *connivens* (Schoenl.) Toelk. (= *C.connivens* Schoenl. in Rec. Albany Mus. 2: 141, 1907) J. S. Afr. Bot. 41: 121, Apr. 1975.
- Crassula tetragona* L. subsp. *lignescens* Toelk. J. S. Afr. Bot. 41: 122, Apr. 1975.
- Crassula tetragona* L. subsp. *robusta* Toelk. (= *C.robusta* Toelk. in J. S. Afr. Bot. 38: 79, 1972) l.c. 41: 122, Apr. 1975.
- Crassula tetragona* L. subsp. *rudis* (Sch. & Bak.) Toelk. (= *C.rudis* Schoenl. & Bak. in J. Bot. 40: 283, 1902) J. S. Afr. Bot. 41: 122, Apr. 1975.

- Crassula thunbergiana* Schult. subsp. *minutiflora* (Sch. & Bak.) Toelk. (= *C. minutiflora* Schoenl. & Bak. in J. Bot. 40: 288, 1902) J. S. Afr. Bot. 41: 122, Apr. 1975.
- Crassula tomentosa* Thunb. var. *interrupta* ("interrupta") (Harv.) Toelk. (= *C. interrupta* Drège ex Harv. in Fl. Cap. 2: 361, 1862) J. S. Afr. Bot. 41: 123, Apr. 1975.
- Crassula tuberella* Toelk. J. S. Afr. Bot. 41: 123-124, Apr. 1975.
- x *Cremneria* Moran (= *Cremnophila* Rose x *Echeveria* D.C.) Bailey 19: 145, Aug. 1975.
- x *Cremneria expatriata* (Rose) Moran (= *Echeveria expatriata* Rose in N. Amer. Flora 22: 26, 1905; *Cremnophila linguifolia* Moran x *Echeveria microcalyx* Br. & R.?) Bailey 19: 145, Aug. 1975.
- x *Cremneria mutabilis* (Del. ex Morr.) Moran (= *Echeveria mutabilis* Del. ex Morr. in Belg. Hort. 24: 330, 1874; *Cremnophila linguifolia* Moran x *Echeveria scheeri* Lindl.) Bailey 19: 146, Aug. 1975.
- \*x *Cremneria pruinosa* (Del. ex Morr.) Rowl.n.comb. = *Echeveria pruinosa* Del. ex Morr. in Belg. Hort. 24: 163, 330, 1874; *Cremnophila linguifolia* Moran x *Echeveria coccinea* D.C.
- x *Cremneria scaphylla* (Del. ex Morr.) Moran (= *Echeveria scaphylla* Del. ex Morr. in Belg. Hort. 22: 305, 1872; *Cremnophila linguifolia* Moran x *Echeveria agavoides* Lem.) Bailey 19: 146, Aug. 1975.
- Cremnophila linguifolia* (Lem.) Moran (= *Echeveria linguaeifolia* Lem. in Illustr. Hort. 10 Misc. 81, 1863) Bailey 19: 145, Aug. 1975.
- Diopogon heuffelii* Hub. var. *bulgaricus* (Ceschn.) Jacobs. (= *Semprevivum heuffelii* var. *bulgaricum* Ceschn. in Bot. Zurn. Leningrad 54: 474, 1969) Kakt. and. Sukk. 26: 171, Aug. 1975.
- Diopogon velenovskiy* (Ceschn.) Jacobs. (= *Semprevivum velenovskiy* Ceschn. in Bot. Zurn. Leningrad 54: 474, 1969; *S. patens* Hub.; *S. hirtum* ssp. *patens* Stoj. & Stef.; *Diopogon heuffelii* var. *patens* Jacobs.) Kakt. and. Sukk. 26: 171, Aug. 1975.
- Dudleya brevifolia* Moran (= *Hasseanthus blochmaniae* ssp. *brevifolius* Moran in Des. Pl. Life 22: 80, 1950) Bailey 19: 146, Aug. 1975.
- Echeveria 'Brudberg'* v. Keppel. Succulenta 54: 88-89, May 1975.
- x *Greenonium lambii* ("lambi") Vogg. (= *Aconiogreenovia lambi* Vogg.n. illeg. in Diss. Bot. 26: 317-324, 1974) Cuad. Bot. Canar. 25: 15, 1975.
- Kalanchoe alticola* Compton. J. S. Afr. Bot. 41: 47, Jan. 1975.
- Lanceolata* Clausen pro sect. (Gen. *Sedum*; Typ. *S. lanceolatum* Torr.) *Sedum* of North America 92, 1975.
- Racemosae* (Bak.) Moran pro sect. (Gen. *Echeveria*; Syn. *Cotyledon* § *Racemosae* Baker in Ref. Bot. 1 tab. diagn. [1], 1869; *Echeveria* Series *Racemosae* Walth.) Bailey 19: 146, Aug. 1975.
- Rhodiola* (L.) Clausen pro subgen. (Gen. *Sedum*; Typ. *S. rosea* Scop.; = *Rhodiola* L. in Sp. Plant. Edn. I: 1035, 1753) *Sedum* of North America 474, 1975.
- Secundae* (Bak.) Moran pro sect. (Gen. *Echeveria*; Syn. *Cotyledon* § *Secundae* Baker in Ref. Bot. 1 tab. diagn. [1], 1869; *Echeveria* Series *Secundae* Walth.) Bailey 19: 146, Aug. 1975.
- x *Sedadia* Moran (= *Sedum* L. x *Villadia* Rose) Bailey 19: 147, Aug. 1975.
- x *Sedadia amecamecana* (Praeg.) Moran (= *Sedum amecamecanum* Praeg. in J. Bot. 55: 43, 1917; *Villadia batesii* Baehni & Macbr. x *Sedum dendroideum* ssp. *monticola* Claus.) Bailey 19: 147, Aug. 1975.
- Sedum acre* L. ssp. *majus* (Mast.) Clausen (= *S. acre* var. *majus* Masters in Gard. Chron. Ser. II 10: 685, 1878) *Sedum* of North America 550, 1975.
- Sedum albomarginatum* Clausen. *Sedum* of North America 424, 1975.
- Sedum borschii* Clausen (= *S. leibergii* Britt. var. *borschii* Clausen in Cact. Succ. J. Amer. 16: 8, 1944) *Sedum* of North America 298, 1976.
- Sedum chrysanthum* Ham. ssp. *aizoon* (Fenzl) Clausen (= *Umbilicus aizoon* Fenzl in Pug. Pl. Nov. Syr. Tauri Occ. Pr. 15, 1842) *Sedum* of North America 577, 1975.
- Sedum clavatum* Clausen. *Sedum* of North America 563, 1975.
- Sedum decumbens* Clausen. *Sedum* of North America 562, 1975.
- Sedum integrifolium* Nels. ssp. *neomexicanum* (Moore) Clausen (= *S. rosea* Scop. var. *leedyi* Ros. & Moore in Rhodora 49: 198, 1947) *Sedum* of North America 502, 1975.
- Sedum integrifolium* Nels. ssp. *neomexicanum* Clausen (= *Rhodiola neomexicana* Britt. in Bull. N.Y. Bot. Gdn. 3: 38, 1903; *R. neomexicana* Britt.; *Sedum roseum* var. *neomexicanum* Berg.) *Sedum* of North America 509, 1975.
- Sedum integrifolium* Nels. ssp. *procerum* Clausen. *Sedum* of North America 506, 1975.
- Sedum kostovii* Stefanov. Preslia 46: 264-265, 1974.
- Sedum lanceolatum* Torr. ssp. *subalpinum* (Blank.) Clausen (= *S. subalpinum* Blank. in Mont. Agr. Coll. Sci. Stud. Bot. 1: 61, 1905; *S. stenopetalum* var. *subalpinum* Fröd.; ? *S. stenopetalum* f. *rubrolineatum* Cock.) *Sedum* of North America 231, 1975.

\*Signifies a new name, validated here for the first time.

*Sedum laxum* Berg. ssp. *eastwoodiae* (Britt.) Clausen (= *Gormania eastwoodiae* Britt. in Bull. N.Y. Bot. Gdn. 3: 31, 1903; *Cotyledon mendocinoana* Fedde; *Sedum eastwoodiae* Berg.) Sedum of North America 398, 1975.

*Sedum oblanceolatum* Clausen. Sedum of North America 404, 1975.

*Sedum obtusatum* Gray ssp. *retusum* (Rose) Clausen (= *Gormania retusa* Rose in Bull. N.Y. Bot. Gdn. 3: 31, 1903; *Cotyledon retusa* Fedde; *Sedum sanhedrinum* Berg.; *S.laxum* ssp. *retusum* Clausen) Sedum of North America 375, 1975.

*Sedum oreganum* Nutt. ssp. *tenuë* Clausen. Sedum of North America 355, 1975.

*Sedum praealtum* A.DC ssp. *monticola* (Brand.) Clausen (= *S.monticola* Brand. in Univ. Cal. Pub. Bot. 6: 498, 1919) Sedum of North America 561, 1975.

*Sedum praealtum* A.DC ssp. *parvifolium* Clausen (= *S.dendroideum* A.DC ssp. *parvifolium* Clausen in Sedum of the Trans-Mexican Volcanic Belt 72, 1959) Sedum of North America 561, 1975.

*Sedum radiatum* Wats. ssp. *ciliolum* (How.) Clausen (= *S.ciliolum* Howell in Fl. N.W. Amer. 1: 214, 1898; *S.douglasii* ssp. *ciliolum* Clausen; *S.stenopetalum* ssp. *ciliolum* Clausen) Sedum of North America 257, 1975.

*Sedum radiatum* Wats. ssp. *depauperatum* Clausen. Sedum of North America 258, 1975.

*Sedum spathulifolium* Hook. ssp. *purdyi* (Jeps.) Clausen (= *S.purdyi* Jepson in Fl. Calif. 2: 110, 1936) Sedum of North America 468, 1975.

*Sedum spathulifolium* Hook. ssp. *yosemitense* (Britt.) Clausen (= *S.yosemitense* Britt. in Bull. N.Y. Bot. Gdn. 3: 44, 1903) Sedum of North America 467, 1975.

*Sedum stenopetalum* Pursh ssp. *monanthum* (Suksd.) Clausen (= *S.monanthum* Suksdorf in Werdenda 1: 19, 1927; *S.uniflorum* How. non al.; *S.douglasii* var. *uniflora* Jones; *S.douglasii* var. *monanthum* Fröd.; *S.douglasii* f. *uniflorum* Jones) Sedum of North America 276-277, 1975.

*Sedum tenuifolium* Strobl subsp. *ibericum* H. & Hart. Acta Bot. Neerl. 23: 549-554, 1974.

*Telephium* (Gray) Clausen pro subgen. (Gen. Sedum; Typ. *S.telephium* L. = *Sedum b* *Telephium* Gray in Nat. Arr. Brit. Pl. II: 539, 1821) Sedum of North America 70, 1975.

*Tetrorum* (Rose) Clausen pro sect. (Gen. Sedum; Typ. *S.pusillum* Mich.; = *Tetrorum* Rose in N.Amer. Flora 22: 59, 1903) Sedum of North America 92, 1975.

*Villosa* Clausen pro sect. (Gen. Sedum; Typ. *S.villosum* L.) Sedum of North America 92, 1975.

## Euphorbiaceae

*Euphorbia balsamifera* Ait. subsp. *adenensis* (Defl.) Bally (= *Euphorbia adenensis* Defl., Bull. Soc. Bot. France 34: 67, 1887; *E.balsamifera* Ait. subsp. *adenensis* (Defl.) Bally n.comb. illeg. (Art. 34), Candollea 20: 34, 1965), Candollea 29: 390 1974.

*Euphorbia celata* Dyer, Bothalia 11: 278, Sept. 1974.

*Euphorbia curocana* Leach.Garcia de Orta Ser. Bot. 2: 111-116, 1975.

*Euphorbia damarana* Leach. Bothalia 11: 500-593, 1975.

*Euphorbia indurescens* Leach. Garcia de Orta Ser. Bot. 2: 111-116, 1975.

*Euphorbia multiclava* Bally & Carter (= *E.multiclava* Bally & Carter nom.nud. (Art. 37), Candollea 19: 158, 1964) Candollea 29: 390, 1974.

*Euphorbia tanaensis* Bally (= *E.tanaensis* Bally nom.nud. (Art. 37), Candollea 19: 160, 1964), Candollea 29: 390, 1974.

## Labiatae

*Plectranthus ornatus* Codd (= *Coleus comosus* Hochst. ex Guerke, Bot. Jahrb. 19: 212, 1894), Bothalia 11: 393, May 1975.

## Liliaceae

*Albuca unifoliata* Rowl. Ashingtonia 2: 55-56, Nov. 1975.

*Aloe* 'Alta' Joubert (= *A.thraskii* x *A.arborescens*), Aloe 13: 93, Sept. 1975.

*Aloe argenticauda* Merx. & Giess. Mitt. Bot. Staats. München 11: 437-444, 1974.

*Aloe* 'Bill' Koeleman (= *A.vanbalenii* x *speciosa*). Aloe 13: 28, March 1975.

*Aloe* 'Christa' Koeleman (= *A.vanbalenii* x [*A.candelabrum* x *marlothii*]). Aloe 13: 28, March 1975.

*Aloe* 'Duet' Koeleman (= *A.marlothii* x *thraskii*). Aloe 13: 27, March 1975.

*Aloe* 'Estienne' Koeleman (= *A.africana* x *A.pluridens*), Aloe 13: 58, June 1975.

*Aloe* 'Geluk' Lubbinge (*A.marlothii* x [*A.cryptopoda* x *A.arborescens*]), Aloe 13: 126, Dec. 1975.

*Aloe* 'Hardus' Joubert (= [*A.africana* x *A.marlothii* x *A.petricola*] x *A.thraskii*), Aloe 13: 93, Sept. 1975.

*Aloe* 'Lourens' Koeleman (= *A.vanbalenii* x *petricola*). Aloe 13: 29, March 1975.

*Aloe* 'Marie' Koeleman (= [*A.marlothii* x *arborescens*] x [*A.ferox* x *marlothii*]). Aloe 13: 29, March 1975.

*Aloe* 'Marlene' Koeleman (= *A.vanbalenii* x *ferox*). Aloe 13: 27, March 1975.

*Aloe* 'Möreson' (= *A.chabaudii* x *A.marlothii*), Aloe 13: 58, June 1975.

- Aloe* 'Nance' Koeleman ([*A. excelsa* x *A. aculeata*] x *A. cameronii*), *Aloe* 13: 125, Dec. 1975.
- Aloe* 'Oosterson' (= [*A. thompsoniae* x *A. nubigena*] x *A. mutabilis*), *Aloe* 13: 59, June 1975.
- Aloe* 'Overloed' Lubbinge ([*A. marlothii* x *A. arborescens*] x [*A. cryptopoda* x *A. arborescens*]), *Aloe* 13: 126, Dec. 1975.
- Aloe* 'Polla Maritz' (= *A. africana* x *A. mutabilis*), *Aloe* 13: 59, June 1975.
- Aloe* 'Rooi Ivoor' Koeleman (= [*A. petricola* x *A. arborescens*] x [*A. pluridens* x *A. mutabilis*]), *Aloe* 13: 94, Sept. 1975.
- Aloe* 'Struik' Lubbinge (*A. arborescens* x *A. pluridens*), *Aloe* 13: 125, Dec. 1975.
- Aloe* 'Umhlanga' Joubert (= *A. thraskii* x *A. wickensii*), *Aloe* 13: 94, Sept. 1975.
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- Monilaria obconica* Ihlenf. et Jörgens., *Mitt. Staats. Allg. Bot. Hamburg* 14: 87, Dec. 1973.
- Monilaria scutata* (L. Bolus) Schwantes subsp. *obovata* ("obovata") Ihlenf. et Jörgens., *Mitt. Staats. Allg. Bot. Hamburg* 14: 88, Dec. 1973.

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### WHAT IS THE I.O.S.?

The INTERNATIONAL ORGANIZATION FOR SUCCULENT PLANT RESEARCH came into being in 1949 by the common desire of experimenters throughout the world to know more of each others' work. It has achieved recognition as a Commission of the Division of Botany of the I.U.B.S. (International Union of Biological Sciences), a branch of Unesco, but receives no monetary support, being financed entirely by the members themselves. Membership is by election only and confined to leading succulent specialists in each country who form a National Section in close contact with succulent societies and amateur and professional growers. Congresses are held biennially to allow members of different countries to compare their points of view.

### QU'EST-CE QUE L'I.O.S.?

L'ORGANISATION INTERNATIONALE POUR LA RECHERCHE SUR LES PLANTES SUCCULENTES est née en 1949 du commun désir de chaque savant de mieux connaître le travail de ses Collègues du monde entier.

Elle est maintenant reconnue comme une Commission de la Division de Botanique de l'I.U.B.S. (Union Internationale des Sciences Biologiques), dépendant de l'Unesco, mais n'en recevant aucune aide financière, les membres eux-mêmes pouvoient à ses besoins.

Les membres, admis par élection seulement, ne peuvent être pour chaque Nation que des spécialistes notoires des Plantes Succulentes; ils forment, pour chaque pays, une Section Nationale en contact étroit avec les Sociétés Cactophiles, les amateurs et les cultivateurs professionnels.

Des Congrès ont lieu tous les deux ans afin de permettre aux membres des différents pays de confronter leurs points de vue.

### WAS IST DIE I.O.S.?

Die INTERNATIONALE ORGANISATION FÜR SUKKULENTENFORSCHUNG entstand 1949 aus dem allgemeinen Wunsch der Sukkulentenforscher der ganzen Welt nach gegenseitigem Austausch ihrer Kenntnisse und Erfahrungen. Sie ist als Kommission der Botanischen Abteilung der I.U.B.S. (Internationale Union der Biologischen Wissenschaften), einem Zweig der Unesco anerkannt, erhält aber keine finanzielle Unterstützung, sodass sie gänzlich auf die Beiträge der Mitglieder angewiesen ist. Die Mitgliedschaft wird allein durch Wahl erworben und ist beschränkt auf führende Sukkulenten-Spezialisten in jedem Lande, die eine nationale Sektion bilden und im engen Kontakt mit den Sukkulenten-Vereinigungen, den Liebhabern und Berufs-Züchtern stehen.

Die Kongresse werden jedes zweite Jahr abgehalten, um eine bessere Verständigung zwischen den Mitgliedern der verschiedenen Länder zu pflegen.



