

*Regnum Vegetabile vol. 41*

**REPERTORIUM PLANTARUM  
SUCCULENTARUM**

**XV-1964**

*Edited by*

**G. D. ROWLEY**

*assisted by*

**L. E. NEWTON**

**January 1966**

**UTRECHT — NETHERLANDS**

**Published by the International Bureau for Plant Taxonomy and Nomenclature  
of the International Association for Plant Taxonomy  
106, Lange Nieuwstraat, Utrecht, Netherlands**



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**A Series of Publications for the use of Plant Taxonomists and Plant Geographers**

*Volume 41*

**REPERTORIUM PLANTARUM**

**SUCCULENTARUM**

**XV**

# REPERTORIUM PLANTARUM SUCCULENTARUM

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

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THE INTERNATIONAL ORGANISATION FOR SUCCULENT PLANT STUDY

L'ORGANISATION INTERNATIONALE DE RECHERCHES  
SUR LES PLANTES SUCCULENTES

DER INTERNATIONALEN ORGANISATION FÜR SUKKULENTENFORSCHUNG

(Int. Commission for Succulent Plant Study of the I.U.B.S)



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## EDITORIAL

This issue includes names from a publication by Friedrich Ritter held over through uncertainty regarding its effective publication. This is the mimeographed and privately published 'Die von Curt Backeberg in "*Descriptiones Cactacearum novarum*" veröffentlichten Diagnosen "neuer" peruanischer Kakteen nebst grundsätzlichen Erörterungen über taxonomische und nomenklatorische Fragen.', Hamburg 1958; here abbreviated as 'Back. neuer Peruan. Kakt.' (See *Nat. Cact. & Succ. J. XIII*: 89, Dec. 1958 and *Cact. & Succ. J. Amer. XXXI*: 123-124, July-Aug. 1959). Although optimistically indexed under the 1958 Repertorium Supplement here, effective distribution to satisfy the provisions of the Code may well not have taken place before mid-1959, when the work was advertised for sale in the *American Cactus & Succulent Journal* as referred to above.

\* \* \*

Ce numéro comprend des noms provenant d'une publication de Friedrich Ritter lesquels doivent être considérés avec circonspection en ce qui concerne leur effective publication. Il s'agit des photocopies publiées à titre privé 'Die von Curt Backeberg in "*Descriptiones Cactacearum novarum*" veröffentlichten Diagnosen "neuer" peruanischer Kakteen nebst grundsätzlichen Erörterungen über taxonomische und nomenklatorische Fragen.', Hamburg 1958; en abreviation ici 'Back. neuer Peruan. Kakt.' (Voyez *Nat. Cact. & Succ. J. XIII*: 89, Dec. 1958 et *Cact. & Succ. J. Amer. XXXI*: 123-124, July-Aug. 1959). Bien qu'indexés, ici, optimalement dans le Repertorium Supplément de 1958, conformément aux stipulations du Code l'effective parution ne doit pas avoir en lieu avant le milieu de 1959 soit lorsque l'avis de la mise en vente a paru dans l'*American Cactus & Succulent Journal* dont il est fait mention ci-dessus.

\* \* \*

Diese Ausgabe enthält Namen aus einer Publikation von Friedrich Ritter, die unsicher sind, was ihre gültige Publikation anlagt.

Es ist das die vervielfältigte, privat herausgegebene Schrift. "Die von Curt Backeberg in "*Descriptiones Cactacearum novarum*" veröffentlichten Diagnosen "neuer" peruanischer Kakteen nebst grundsätzlichen Erörterungen über taxonomische und nomenklatorische Fragen", Hamburg 1958, hier abgekürzt "Back. neuer Peruan. Kakt." (Siehe *Nat. Cact. & Succ. J. XIII*: 89, Dec. 1958 und *Cact. & Succ. J. Amer. XXXI*: 123-124, July-Aug. 1959). Obwohl optimistisch hier unter Nachtrag zum Repertorium 1958 vermerkt, wird die wirksame Verbreitung im Sinne der Vorschriften des Codes nicht vor Mitte 1959 stattgefunden haben, als die Schrift im amerikanischen *Cactus & Succulent Journal* (wie oben zitiert) zum Verkauf angeboten wurde.

## DESCRIPTIONES NOVAE 1958

(Supplement)

### Cactaceae

*Faustocereus* Ritter n. subgen. (Gen. *Haageocereus* Backeb.; Typ. *Borzicactus faustianus* Backeb.) in Back. neuer Peruan. Kakt. 11, 15; 1958.

*Haageocereus limensis* (S.D.) Ritt. var. *andicolus* Ritter n. var. (Sine Typ.) (= *Haageocereus acranthus* auct. non Vaup.) in Back. neuer Peruan. Kakt. 13, 42; 1958.

## COMBINATIONES NOVAE 1958

(Supplement)

### Cactaceae

*Armatocereus ghiesbreghtii* (K. Sch.) Ritter n. comb. (= *Cereus ghiesbreghtii* K. Sch. in Gesamtb. d.Kakt. 81, 1898; *Armatocereus* — 4 spp. of Rauh & Backeb.) in Back. neuer Peruan. Kakt. 31, 1958.

*Corryocactus quadrangularis* (Rauh & Backeb.) Ritter n. comb. (= *Erdisia quadrangularis* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 12, 1956) in Back. neuer Peruan. Kakt. 29, 1958.

*Espostoa haagei* (Rümpl.) Ritt. n. comb. (as "haageii") (= *Pilocereus haagei* Rümpl. in Först. Handb. Cact. 665, 1885) in Back. neuer Peruan. Kakt. 51, 1958.

*Haageocereus* Backeb. emend. Ritter in Back. neuer Peruan. Kakt. 14, 1958.

*Haageocereus faustianus* (Backeb.) Ritter n. comb. (= *Borzicactus faustianus* Backeb. in Kaktus ABC 193, 411, 1935; *Loxanthocereus faustianus* Backeb., etc.) in Back. neuer Peruan. Kakt. 14, 1958.

*Haageocereus laredensis* Backeb. var. *pseudoversicolor* (Rauh & Backeb.) Ritter n. comb. (= *Haageocereus pseudoversicolor* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 23, 1956) in Back. neuer Peruan. Kakt. 13, 44; 1958.

*Haageocereus limensis* (S.D.) Ritter n. comb. (= *Cereus limensis* S.D. in Allg. Gartenz. 13: 353, 1845; *C. acranthus* Vaup.; *Haageocereus olowinskianus* Backeb.) in Back. neuer Peruan. Kakt. 13, 42; 1958.

*Haageocereus limensis* (S.D.) Ritt. var. *metachrous* (Rauh & Backeb.) Ritt. n. comb. (= *H. acranthus* var. *metachrous* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 22, 1956; *H.a.* var. *crassispinus* Rauh & Backeb.) in Back. neuer Peruan. Kakt. 13, 43; 1958.

*Haageocereus limensis* (S.D.) Ritt. var. *zonatus* (Rauh & Backeb.) Ritt. n. comb. (= *H. zonatus* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 22, 1956; *H. deflexispinus* Rauh & Backeb.; *H. achaetus* Rauh & Backeb.)

*Haageocereus multangularis* Br. & R. var. *dichromus* (Rauh & Backeb.) Ritt. n. comb. (= *H. dichromus* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 24, 1956) in Back. neuer Peruan. Kakt. 13, 40; 1958.

*Haageocereus multangularis* Br. & R. var. *pseudomelanostele* (Backeb.) Ritt. n. comb. (= *Cereus pseudomelanostele* Werd. & Backeb. in Neue Kakteen 74, 1931; *Haageocereus pseudomelanostele* Backeb.; *H. piliger* Rauh & Backeb.) in Back. neuer Peruan. Kakt. 12, 40; 1958.



- Haageocereus multangularis* Br. & R. var. *pseudomelanostele* Ritt. subv. *chrysacanthus* (Akers) Ritt. n. comb. (= *Peruocereus chrysacanthus* Akers in Cact. & Succ. J. Amer. 21: 45, 1949; *Haageocereus tenuispinus* Rauh & Backeb.) in Back. neuer Peruan. Kakt. 12, 40; 1958.
- Haageocereus multangularis* Br. & R. var. *turbidus* (Rauh & Backeb.) Ritt. n. comb. (= *H. turbidus* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 25, 1956) in Back. neuer Peruan. Kakt. 13, 41; 1958.
- Haageocereus peculiaris* (Rauh & Backeb.) Ritt. n. comb. (= *Loxanthocereus peculiaris* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 16, 1956) in Back. neuer Peruan. Kakt. 14, 36; 1958.
- Islaya islayensis* var. *copiapoides* (Rauh & Backeb.) Ritt. n. comb. (= *I. copiapoides* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 33, 1956) in Back. neuer Peruan. Kakt. 49, 1958.
- Loxanthocereus* Backeb. emend. Ritter in Back. neuer Peruan. Kakt. 15, 1958.
- Loxanthocereus gracilis* (Ak. & Buin.) Ritt. n. comb. (= *Maritimocereus gracilis* Ak. & Buin. in Succulenta 1950: 50; *M. nanus* Ak. & Buin.; *Loxanthocereus aticensis* Rauh & Backeb., *L. nanus* Backeb.) in Back. neuer Peruan. Kakt. 35, 1958.
- Matucana haynei* var. *elongata* (Rauh & Backeb.) Ritt. n. comb. (= *M. elongata* Rauh & Backeb. in Descr. Cact. Nov. 19, 1956) in Back. neuer Peruan. Kakt. 37, 1958.
- Matucana haynei* var. *gigantea* Ritt. n. var. (= *M. multicolor* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 19, 1956; *M. hystrix* Rauh & Backeb. l.c.) in Back. neuer Peruan. Kakt. 37, 1958.
- Morawetzia doelziana* f. *calva* (Rauh & Backeb.) Ritt. n. forma (= *M.d.* var. *calva* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 18, 1956) in Back. neuer Peruan. Kakt. 52, 1958.
- Neoraimondia arequipensis* (Meyen) Backeb. var. *gigantea* (Backeb.) Ritt. n. comb. (= *N. gigantea* Backeb. in Fedde Repert. 1942: 62) in Back. neuer Peruan. Kakt. 30, 1958.
- Neoraimondia arequipensis* (Meyen) Backeb. var. *roseiflora* (Backeb.) Ritt. n. comb. (= *N. roseiflora* Backeb. in Fedde Repert. 1942: 62) in Back. neuer Peruan. Kakt. 30, 1958.
- Tephrocactus berterii* (Colla) Ritt. n. comb. (= *Echinocactus berterii* Colla in Mem. Accad. Sci. Torino 37: 77, 1833; *Tephrocactus* — 7 spp. of Backeb.) in Back. neuer Peruan. Kakt. 22, 1958.
- Tephrocactus floccosus* var. *lagopus* (K. Sch.) Ritt. n. comb. (= *Opuntia lagopus* K. Sch. in Gesamtb. d. Kakt. Nachtrag 151, 1903) in Back. neuer Peruan. Kakt. 21, 1958.
- Tephrocactus floccosus* f. *denudata* (Web.) Ritt. n. comb. (= *Opuntia floccosa* S.D. *denudata* Web. in Bois Dict. Hort. 897, 1898; *Tephrocactus atroviridis* Backeb.) in Back. neuer Peruan. Kakt. 21, 1958.
- Tephrocactus floccosus* f. *rauhii* (Backeb.) Ritt. n. comb. (= *T. rauhii* Backeb. in Descr. Cact. Nov. 7, 1956, etc.) in Back. neuer Peruan. Kakt. 21, 1958.
- Trichocereus cuzcoensis* Br. & R. var. *knuthianus* (Backeb.) Ritt. n. comb. (= *T. knuthianus* Backeb. in Succulenta 1937: 42; *Trichocereus* — 3 spp.) in Back. neuer Peruan. Kakt. 38, 1958.
- Weberbauerocereus fascicularis* var. *horridispinus* (Rauh & Backeb.) Ritt. n. comb. (= *W. horridispinus* Rauh & Backeb. in Backeb. Descr. Cact. Nov. 27, 1956) in Back. neuer Peruan. Kakt. 44, 1958.
- Weberbauerocereus rauhii* Backeb. emend. Ritter in Back. neuer Peruan. Kakt. 45, 1958.

## DESCRIPTIONES NOVAE 1961

### (Supplement)

#### Asclepiadaceae

- Cynanchum compactum* Choux var. *imerinense* Descouings n. var. in *Adansonia* 1: 321, 1961.

## COMBINATIONES NOVAE 1961

(Supplement)

### Asclepiadaceae

*Cynanchum decaisnianum* Descoings n. nom. (= *Decanema bojerianum* Dec. in Ann. Sci. Nat. 9: 338, 1938; non *Cynanchum bojerianum* Choux) in Adansonia 1: 314, 1961.

*Cynanchum luteifluens* (Jum. & Perr.) Descoings n. comb. (= *Decanema luteifluens* Jum. & Perr. in Rev. Gen. Bot. 23: 253, 1911) in Adansonia 1: 314, 1961.

*Cynanchum madecassum* Descoings n. nom. (= *Voharanga madagascariensis* Cost. & Bois in Compt. Rend. Acad. Sci. 147: 259, 1908; non *Cynanchum madagascariense* K. Sch.) in Adansonia 1: 314, 1961.

*Cynanchum nodosum* (Jum. & Perr.) Descoings n. comb. (= *Mahafalia nodosa* Jum. & Perr. in Rev. Gen. Bot. 23: 255, 1911) in Adansonia 1: 314, 1961.

*Folotsia aculeatum* Descoings n. comb. (= *Prosopstelma aculeatum* Desc. in Nat. Malgache 9: 179, 1957) in Adansonia 1: 313, 1961.

*Folotsia floribundum* Descoings n. nom. (= *Prosopstelma grandiflorum* Choux in Ann. Mus. Col. Marseille 3: 317, 1941; non *Folotsia grandiflorum* Jum. & Perr.) in Adansonia 1: 313, 1961.

*Folotsia madagascariense* (Jum. & Perr.) Descoings n. comb. (= *Prosopstelma madagascariense* Jum. & Perr. in Rev. Gen. Bot. 23: 256, 1911; Compt. Rend. Acad. Sci. 152: 1017, 1911) in Adansonia 1: 313, 1961.

*Sarcostemma insigne* (N.E.Br.) Descoings n. comb. (= *Platykeleba insignis* N.E.Br. in Kew Bull. 106: 250, 1895) in Adansonia 1: 314, 1961.

*Sarcostemma madagascariense* Descoings n. nom. (= *Decanemopsis aphylla* Cost. & Gall. in Bull. Mus. Hist. Nat. Paris 12: 418, 1906; non *Sarcostemma aphyllum* Schult.) in Adansonia 1: 314, 1961.

## COMBINATIONES NOVAE 1962

(Supplement)

### Crassulaceae

*Bryophyllum manginii* (Ham. & Bath.) Nothdurft n. comb. (= *Kalanchoe manginii* Hamet & P. de la Bathie in Ann. Sci. Nat. Ser. 9 Bot. 16: 370, 1912) in Gartenbauwissenschaft 27: (9) 96, 1962.

*Bryophyllum manginii* Nothd. var. *triploideum* (Mann. & Boit.) Nothd. n. comb. nud. (= *Kalanchoe manginii* var. *triploidea* Mann. & Boit. sine loc.) in Gartenbauwissenschaft 27: (9) 96, 1962.

## DESCRIPTIONES NOVAE 1963

(Supplement)

### Asclepiadaceae

*Cynanchum rauhianum* Desc. n. sp. in Bull. Soc. Bot. France 110: 155-157, 1963.

*Brachystelma exile* Bullock n. sp. in Kew Bull. 17: 191, 1963.

*Brachystelma omissum* Bullock n. sp. in Kew Bull. 17: 193, 1963.

## COMBINATIONES NOVAE 1963

(Supplement)

### Crassulaceae

*Sedum maximum* (L.) Hoffm. ssp. *maximum* var. *glaucopruinosum* (Ekl.) Soo n. comb. (= *S. glaucopruinosum* Eklund in Mem. Soc. p. Flora Fauna Fenn. 4: 7, 1927) in Acta Bot. Sc. Hung. 9: 425, 1963.

*Sedum maximum* (L.) Hoffm. ssp. *ruprechtii* (Jal.) Soo n. comb. (= *S. telephium* ssp. *ruprechtii* Jalas in Ann. Bot. Soc. Vanamo 26: No. 3: 33, 1954) in Acta Bot. Sc. Hung. 9: 425, 1963.

*Sedum maximum* (L.) Hoffm. ssp. *ruprechtii* (Jal.) Soo f. *domokosii* (Penz.) Soo n. comb. (= ? Penzes Kert. Kar Evk. 1953: 107) in Acta Bot. Sc. Hung. 9: 426, 1963.

*Sempervivum marmoreum* Gris. ssp. *blandum* (Schott) Soo n. comb. (= *S. blandum* Schott OBW 3: 129, 1853) in Acta Bot. Sc. Hung. 9: 426, 1963.

*Sempervivum marmoreum* Gris. f. *brunneifolium* (Praeg.) Soo n. comb. (= *S. schlehani* f. *brunneifolium* Praeg. Sempervivum Group: 60, 1932) in Acta Bot. Sc. Hung. 9: 426, 1963.

*Sempervivum marmoreum* Gris. f. *pallidiflorum* Soo n. comb. vel. nom. subnud. in Acta Bot. Sc. Hung. 9: 426, 1963.

*Sempervivum marmoreum* Gris. f. *rubicundum* (Schur) Soo n. comb. (= *S. rubicundum* Schur OBZ 8: 22, 1858; En. Pl. Transs. 229) in Acta Bot. Sc. Hung. 9: 426, 1963.

## DESCRIPTIONES NOVAE 1964

### Asclepiadaceae

*Caralluma foulcheri-delbosicii* Lavranos n. sp. in J. S. Afr. Bot. 30: 21, Jan. 1964.

*Ceropegia armandii* Rauh n. sp. in Adansonia 4: 419, 1964.

*Ceropegia estelleana* Dyer n. sp. in Bothalia 8: 164, 1964.

*Ceropegia leroyi* Rauh & M. Lap. n. sp. in Kakt. u. a. Sukk. 15: 178, Sept. 1964.

*Ceropegia patriciae* Rauh & Buch. n. sp. in Kakt. u. a. Sukk. 15: 151, Aug. 1964.

*Echidnopsis seibanica* Lavranos n. sp. in J. S. Afr. Bot. 30: 88, April 1964.

*Huernia lodarensis* Lavranos n. sp. in J. S. Afr. Bot. 30: 87, April 1964.

*Stapelia choanantha* Lavranos et Hall n. sp. in J. S. Afr. Bot. 30: 107, July 1964.

### Cactaceae

*Acanthocalycium brevispinum* Ritter n. sp. in Taxon 13: 144, May 1964.

*Acanthocalycium glaucum* Ritter n. sp. in Taxon 13: 143-144, May 1964.

*Arequipa spinosissima* Ritter n. sp. in Taxon 13: 115, April 1964.

*Astrophytum myriostigma* Lem. var. *potosinum* Kreuz. forma *rotundum* Sadvosky n. f. subnud. (Typ. ?) (as "potosina rotunda") in Friciana Rada IV. 27: 3-14, 1964.

*Blossfeldia liliputana* Werd. var. *caineana* Card. n. var. (as "liliputana") in Cactus 82: 53, Sept.—Dec. 1964.

*Borzicactus calviflorus* Ritter n. sp. in Taxon 13: 118, April 1964.

*Borzicactus sammensis* Ritter n. sp. in Taxon 13: 118, April 1964.

*Cereus tacuaralensis* Card. n. sp. in Cactus 80-81: 19, Mar.—June 1964.

*Cleistocactus clavicaulis* Card. n. sp. in Cactus 80-81: 20, Mar.—June 1964.

*Cleistocactus glaucus* Ritter n. sp. in Taxon 13: 114, April 1964.

*Cleistocactus glaucus* var. *plurispinus* Ritter n. var. in Taxon 13: 114, April 1964.

*Cleistocactus muyurinensis* Ritter n. sp. in Taxon 13: 114, April 1964.

*Cleistocactus pungens* Ritter n. sp. in Taxon 13: 115, April 1964.

*Cleistocactus variispinus* Ritter n. sp. in Taxon 13: 114, April 1964.

*Corryocactinae* Buxbaum n. subtr. (Typ. *Corryocactus* Br. & R.) in Krainz: Die Kakteen C IVa, June 1964.

*Coryphantha calipensis* Bravo n. sp. in Cact. y Suc. Mex. 9: 79-80, 98 (Typ. ?), 1964.

*Echinopsis toralapana* Card. n. sp. in Cactus 82: 41, Sept.—Dec. 1964.

*Epiphyllum phyllanthus* Haw. var. *rubrocoronatum* Kimmach n. var. in Cact. & Succ. J. Amer. 36: 110, July-Aug. 1964.

*Erdisia fortalezensis* Ritter n. sp. in Taxon 13: 116, April 1964.

*Espostoa hylaea* Ritter n. sp. in Taxon 13: 143, May 1964.

*Espostoa mirabilis* Ritter n. sp. in Taxon 13: 143, May 1964.

*Espostoa mirabilis* Ritter var. *primigena* Ritter n. var. in Taxon 13: 143, May 1964.

- Espostoa nana* Ritter n. sp. in Taxon 13: 143, May 1964.
- Eulychnia aricensis* Ritter n. sp. in Taxon 13: 115, April 1964.
- Eulychnia saint-pieana* Ritter n. sp. in Taxon 13: 115, April 1964.
- Ferocactus viridescens* var. *littoralis* Lindsay n. var. in Cact. & Succ. J. Amer. 36: 8-10, Jan.—Feb. 1964.
- Gymnocalycium cardenasianum* Ritter n. sp. in Taxon 13: 144, May 1964.
- Gymnocalycium fricianum* Plesnik n. sp. in Kakt. u. a. Sukk. 15: 110, June 1964.
- Gymnocalycium gibbosum* Pfeiff. var. *caespitosum* Fric ex Fleischer n. var. (= *G. gibbosum* var. *caespitosum* Fric. n. nud.) in Friciana Rada IV. 24: 3-6, 1964.
- Gymnocalycium gibbosum* Pfeiff. var. *caespitosum* Fric ex Fleischer forma *minimum* (as “*minima*”) Fleischer n. f. nud. in Friciana Rada IV. 24: 3-6, 1964.
- Gymnocalycium gibbosum* Pfeiff. var. *rostratum* Fleischer n. var. in Friciana Rada IV. 24: 3-6, 1964.
- Gymnocalycium gibbosum* Pfeiff. var. *caespitosum* Fric ex Fleischer forma *intermedium* (as “*intermedia*”) Fleischer n. f. nud. in Friciana Rada IV. 24: 3-6, 1964.
- Islaya divaricatiflora* Ritter n. sp. in Taxon 13: 144, May 1964.
- Lobivia charcasina* Card. n. sp. in Cactus 82: 42, Sept.—Dec. 1964.
- Lobivia laeae* Card. n. sp. in Cact. & Succ. J. Amer. 36: 24, 25, Jan.—Feb. 1964.
- Loxanthocereus neglectus* Ritter n. sp. in Taxon 13: 116, April 1964.
- Loxanthocereus neglectus* var. *chimbotensis* Ritter n. var. in Taxon 13: 116, April 1964.
- Opuntia dillenii* var. *tehuantepecana* Bravo n. var. in Cact. y Succ. Mex. 9: 55-56 (Typ. ?) 1964.
- Opuntia oricola* Philbrick n. sp. in Cact. & Succ. J. Amer. 36: 163-165, Nov.—Dec. 1964.
- Parodia borealis* Ritter n. sp. in Taxon 13: 116, April 1964.
- Parodia cardenasii* Ritt. n. sp. in Succulenta 43: 58, April 1964.
- Parodia chaetocarpa* Ritt. n. sp. in Succulenta 43: 58, April 1964.
- Parodia comarapana* Card. var. *paucicostata* Ritter n. var. in Taxon 13: 117, April 1964.
- Parodia commutans* Ritt. n. sp. in Succulenta 43: 22, Feb. 1964.
- Parodia echinus* Ritter n. sp. in Taxon 13: 117, April 1964.
- Parodia formosa* Ritt. n. sp. in Succulenta 43: 57, April 1964.
- Parodia gracilis* Ritt. n. sp. in Succulenta 43: 23, Feb. 1964.
- Parodia maxima* Ritt. n. sp. in Succulenta 43: 23, Feb. 1964.
- Parodia obtusa* Ritt. n. sp. in Succulenta 43: 44, Mar. 1964.
- Parodia procera* Ritter n. sp. in Taxon 13: 117, April 1964.
- Parodia purpureo-aurea* Ritt. n. sp. in Succulenta 43: 57, April 1964.
- Parodia roseoalba* Ritt. n. sp. in Succulenta 43: 23, Feb. 1964.
- Parodia rubida* Ritt. n. sp. in Succulenta 43: 43, Mar. 1964.
- Parodia setispina* Ritt. n. sp. in Succulenta 43: 57, April 1964.
- Parodia subterranea* Ritt. n. sp. in Succulenta 43: 43, Mar. 1964.
- Parodia taratensis* Card. n. sp. in Cact. & Succ. J. Amer. 36: 24, 25, Jan.—Feb. 1964.
- Parodia variicolor* Ritter n. sp. in Taxon 13: 117, April 1964.
- Parodia variicolor* var. *robustispina* Ritter n. var. in Taxon 13: 117, April 1964.
- Parodia yamparaezi* Card. n. sp. in Cactus 82: 43, Sept.—Dec. 1964.
- Pereskia higueraana* Card. n. sp. (as “*Peireskia*”) in Cactus 80-81: 18, Mar.—June 1964.
- Pereskia saipinensis* Card. n. sp. (as “*Peireskia*”) in Cactus 80-81: 17, Mar.—June 1964.
- Pfeiffera erecta* Ritter n. sp. in Taxon 13: 116, April 1964.
- Pfeiffera mataralensis* Ritter n. sp. in Taxon 13: 115, April 1964.
- Pfeiffera mataralensis* var. *floccosa* Ritter n. var. in Taxon 13: 116, April 1964.

*Pfeiffera multigona* Card. n. sp. in *Cactus* 82: 51, Sept.—Dec. 1964.

*Rebutia canigueralii* Card. n. sp. in *Cact. & Succ. J. Amer.* 36: 26, 27, Jan.—Feb. 1964.

*Rebutia glomerispina* Card. n. sp. in *Cact. & Succ. J. Amer.* 36: 40, Mar.—Apr. 1964.

*Rebutia steinbachi* Werd. var. *rosiflora* Backeb. n. var. in *Cactus* 80-81: 5, Mar.-June 1964.

*Rebutia steinbachii* Werd. var. *violaciflora* Backeb. n. var. (as “*violacifera*”) in *Cactus* 80-81: 6, Mar.-June 1964; *corr. l.c.* 82: 52, Sept.—Dec. 1964.

*Rebutia taratensis* Card. n. sp. in *Cact. & Succ. J. Amer.* 36: 26, Jan.—Feb. 1964.

*Rebutia tunariensis* Card. n. sp. in *Cact. & Succ. J. Amer.* 36: 38-40, Mar.—Apr. 1964.

*Stetsonia coryne* Br. & R. var. *procera* Ritter n. var. (= *S. boliviana* Winter n. nud.) in *Taxon* 13: 116, April 1964.

*Sulcorebutia mentosa* Ritt. n. sp. in *Succulenta* 43: 20, July 1964.

*Sulcorebutia tarabucoensis* Rausch n. sp. in *Kakt. u. a. Sukk.* 15: 92, May 1964.

*Tephrocactus echinaceus* Ritter n. sp. in *Taxon* 13: 145, May 1964.

*Tephrocactus multiareolatus* Ritter n. sp. in *Taxon* 13: 144-145, May 1964.

*Weingartia lecoriensis* Card. n. sp. in *Cactus* 82: 47, Sept.—Dec. 1964.

*Weingartia pilcomayensis* Card. n. sp. in *Cactus* 82: 44, Sept.—Dec. 1964.

*Weingartia platygona* Card. n. sp. in *Cactus* 82: 50, Sept.—Dec. 1964.

*Weingartia vilcayensis* Card. n. sp. in *Cactus* 82: 46, Sept.—Dec. 1964.

‘Winifred’ Timm. n. cv. (= *Lobivia pseudocachensis* × *Echinopsis aurea*) in *Succulenta* 43: 67, May 1964.

### Compositae

*Othonna hallii* Nord. n. sp. in *J. S. Afr. Bot.* 30: 27, Jan. 1964.

*Senecio picticaulis* Bally n. sp. in *Candollea* 19: 163-166, 1964.

### Crassulaceae

*Cotyledon striata* Hutchison n. sp. in *Cact. & Succ. J. Amer.* 36: 16-18, Jan.-Feb. 1964.

*Crassula (picturata × milfordae)* Ruysch n. hybr. in *Succulenta* 43: 19, Feb. 1964.

*Kalanchoe vadensis* Boom & Zeil. n. sp. artif. (= *K. blossfeldiana* × *grandiflora* amphidiploid) in *Succulenta* 43: 124, Sept. 1964.

*Sedum victorianum* Janssen n. sp. in *Acta Horti Gotoburgensis* 17: 7-10, 1964.

### Euphorbiaceae

*Euphorbia ambroseae* Leach n. sp. in *Kirkia* 4: 15-17, July 1964.

*Euphorbia baylissii* Leach n. sp. in *J. S. Afr. Bot.* 30: 213-217, Oct. 1964.

*Euphorbia bougheyi* Leach n. sp. in *J. S. Afr. Bot.* 30: 9, Jan. 1964.

*Euphorbia carteriana* Bally n. sp. in *Candollea* 19: 148-151, 1964.

*Euphorbia columnaris* Bally n. sp. in *Candollea* 19: 151-155, 1964.

*Euphorbia contorta* Leach n. sp. in *Kirkia* 4: 17-18, July 1964.

*Euphorbia fortissima* Leach n. sp. in *J. S. Afr. Bot.* 30: 209-213, Oct. 1964.

*Euphorbia graniticola* Leach n. sp. in *Kirkia* 4: 18-20, July 1964.

*Euphorbia inculta* Bally n. sp. in *Candollea* 19: 155-157, 1964.

*Euphorbia jubata* Leach n. sp. in *J. S. Afr. Bot.* 30: 7, Jan. 1964.

*Euphorbia lividiflora* Leach n. sp. in *Kirkia* 4: 20-23, July 1964.

*Euphorbia malevola* Leach n. sp. in *J. S. Afr. Bot.* 30: 1, Jan. 1964.

*Euphorbia malevola* Leach subsp. *bechuanica* Leach n. subsp. in *J. S. Afr. Bot.* 30: 6, Jan. 1964.

*Euphorbia multiclava* Bally n. sp. in *Candollea* 19: 158-160, 1964.

*Euphorbia tanaensis* Bally n. sp. in *Candollea* 19: 160-163, 1964.

### Liliaceae

*Aloe ballii* Reynolds n. sp. in *J. S. Afr. Bot.* 30: 123, July 1964.

*Aloe greenwayi* Reynolds n. sp. in *J. S. Afr. Bot.* 30: 229, Oct. 1964.

*Aloe hemmingii* Reynolds et Bally n. sp. in *J. S. Afr. Bot.* 30: 221, Oct. 1964.

- Aloe lavranosii* Reynolds n. sp. in J. S. Afr. Bot. **30**: 225, Oct. 1964.
- Aloe mendesii* Reynolds n. sp. in J. S. Afr. Bot. **30**: 31, Jan. 1964.
- Aloe musapana* Reynolds n. sp. in J. S. Afr. Bot. **30**: 125, July 1964.
- Aloe mendesii* Reynolds n. sp. in J. S. Afr. Bot. **30**: 71, April 1964.
- Aloe richardsiae* Reynolds n. sp. in J. S. Afr. Bot. **30**: 67, April 1964.
- Aloe somaliensis* Watson var. *marmorata* Reynolds et Bally n. var. in J. S. Afr. Bot. **30**: 222, Oct. 1964.
- Haworthia* 'Ollasonii' n. cv. (= *H. retusa* Haw. × *H. obtusa* Haw. *dielsiana* Uitew.) in Cact. & Succ. J. New South Wales **4**: 55, March 1964.
- Mesembryanthemaceae**
- Astridia herrei* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 33, Jan. 1964.
- Cephalophyllum kliprandense* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 242, Oct. 1964.
- Cheiridopsis ausensis* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 231, Oct. 1964.
- Cheiridopsis hallii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 231, Oct. 1964.
- Conophytum brevipes* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 233, Oct. 1964.
- Conophytum brevisectum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 232, Oct. 1964.
- Conophytum clavatum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 77, Apr. 1964.
- Conophytum hians* N.E.Br. var. *acuminatum* L. Bol. n. var. in J. S. Afr. Bot. **30**: 233, Oct. 1964.
- Conophytum indutum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 234, Oct. 1964.
- Conophytum koubergensis* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 34, Jan. 1964.
- Conophytum meridianum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 35, Jan. 1964.
- Conophytum meridianum* L. Bol. var. *pulverulentum* L. Bol. n. var. in J. S. Afr. Bot. **30**: 77, Apr. 1964.
- Conophytum philipii* L. Bol. n. sp. (as "philippi") in J. S. Afr. Bot. **30**: 232, Oct. 1964.
- Conophytum prolongatum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 235, Oct. 1964.
- Conophytum stegmanianum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 35, Jan. 1964.
- Conophytum stevens-jonesianum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 115, July 1964.
- Conophytum varians* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 235, Oct. 1964.
- Drosanthemum nordenstamii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 78, April 1964.
- Echinus stayneri* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 237, Oct. 1964.
- Lampranthus arenicolus* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 38, Jan. 1964.
- Lampranthus vanheerdei* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 39, Jan. 1964.
- Lithops erniana* Loesch & Tisch. var. *aiaisensis* de Boer n. var. in Succulenta **43**: 6, Jan. 1964.
- Lithops erniana* Loesch & Tisch. var. *witputzensis* de Boer n. var. in Succulenta **43**: 5, Jan. 1964.
- Lithops julii* N.E.Br. var. *rouxii* de Boer n. var. in Succulenta **43**: 139, Oct. 1964.
- Lithops schwantesii* Dint. var. *gebseri* de Boer n. var. in Succulenta **43**: 110, Aug. 1964.
- Lithops schwantesii* Dint. var. *nutupsdriftensis* de Boer n. var. in Succulenta **43**: 110, Aug. 1964.
- Lithops turbiniformis* N.E.Br. var. *brunneo-violacea* de Boer n. var. in Succulenta **43**: 52, April 1964.
- Lithops turbiniformis* N.E.Br. var. *lutea* de Boer n. var. in Succulenta **43**: 52, Apr. 1964.
- Lithops turbiniformis* N.E.Br. var. *subfenestrata* de Boer n. var. in Succulenta **43**: 53, April 1964.
- Machairophyllum vanbredai* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 238, Oct. 1964.
- Opophytum ampliatus* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 39, Jan. 1964.
- Psilocaulon liebenbergii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 77, April 1964.
- Rhombophyllum rhomboideum* Schwant. *groppiorum* Heinr. "n. forma (aut varietas)" illeg. (cultivar) in Cactus **82**: 54, Sept.—Dec. 1964.
- Ruschia brevifolia* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 40, Jan. 1964.
- Ruschia drepanophylla* L. Bol. var. *sneeubergensis* L. Bol. n. var. in J. S. Afr. Bot. **30**: 40, Jan. 1964.

*Ruschia lokenbergensis* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 239, Oct. 1964.

*Ruschia minutifolia* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 239, Oct. 1964.

*Ruschia nordenstamii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 241, Oct. 1964.

*Ruschia paucifolia* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 240, Oct. 1964.

*Schlechteranthus hallii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 241, Oct. 1964.

*Sphalmanthus acocksii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 75, April 1964.

*Sphalmanthus gydouwensis* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 75, April 1964.

*Sphalmanthus herrei* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 242, Oct. 1964.

*Sphalmanthus leipoldtii* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 42, Jan. 1964.

*Sphalmanthus micans* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 43, Jan. 1964.

*Sphalmanthus vanheerdei* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 41, Jan. 1964.

*Trichodiadema concinnum* L. Bol. n. sp. in J. S. Afr. Bot. **30**: 79, Apr. 1964.

*Trichodiadema gracile* L. Bol. var. *piliferum* L. Bol. n. var. in J. S. Afr. Bot. **30**: 78, Apr. 1964.

*Trichodiadema gracile* L. Bol. var. *setiferum* L. Bol. n. var. in J. S. Afr. Bot. **30**: 79, Apr. 1964.

#### Passifloraceae

*Adenia ballyi* Verdc. n. sp. in Bol. Soc. Brot. **38**: 102, Nov. 1964.

*Adenia pseudoglobosa* Verdc. n. sp. in Bol. Soc. Brot. **38**: 98, Nov. 1964.

*Adenia pseudoglobosa* Verdc. subsp. *curvata* Verdc. n. subsp. in Bol. Soc. Brot. **38**: 101, Nov. 1964.

#### Portulacaceae

*Lewisia (cotyledon* Rob.  $\times$  *leana* Rob.) Tucker, Mann & Holloway n. hybr. in Cact. & Succ. J. Amer. **36**: 47-50, Mar.—Apr. 1964.

## COMBINATIONES NOVAE 1964

#### Asclepiadaceae

*Echidnopsis montana* (Dyer & Bruce) Bally n. comb. (= *Caralluma montana* Dyer & Bruce in Fl. Pl. Afr. **26** t. 1034, 1942) in Cact. & Succ. J. Gt. Brit. **26**: 89, Nov. 1964.

*Echidnopsis squamulata* (Decne.) Bally n. comb. (= *Ceropegia squamulata* Decne. in Bull. Sc. Nat. Paris **9**: 11, 263, 1838) in Cact. & Succ. J. Gt. Brit. **26**: 88, Nov. 1964.

*Huernia volkartii* Gossw. var. *nigeriana* Lavranos n. comb. (= *H. nigeriana* Lavr. in J. S. Afr. Bot. **27**: 233, 1961) in l.c. **30**: 25, Jan. 1964.

#### Cactaceae

*Epiphyllum phyllanthus* Haw. var. *guatemalense* (Br. & R.) Kimn. n. comb. (= *E. guatemalense* Br. & R. in Contr. U.S. Nat. Herb. **16**: 257, 1913; *Phyllocactus guatemalensis* Vaup.) in Cact. & Succ. J. Amer. **36**: 110, July—Aug. 1964.

*Epiphyllum phyllanthus* Haw. var. *hookeri* (Haw.) Kimn. n. comb. (= *E. hookeri* Haw. in Phil. Mag. **6**: 108, 1829; *E. strictum* Br. & R.; *E. stenopetalum* Br. & R., etc.) in Cact. & Succ. J. Amer. **36**: 113, July-Aug. 1964.

*Epiphyllum phyllanthus* Haw. var. *pittieri* (Web.) Kimn. n. comb. (= *Phyllocactus pittieri* Web. in Bois. Dict. Hort. 957, 1898; *Epiphyllum pittieri* Br. & R.) in Cact. & Succ. J. Amer. **36**: 115, July—Aug. 1964.

*Espostoa melanostele* Borg forma *inermis* (Backeb.) Krainz n. comb. (= *Pseudoespostoa melanostele* Backeb. var. *inermis* Backeb. in Cact. & Succ. J. Amer. **23**: 149, 1951; *Espostoa melanostele* Borg var. *inermis* (Backeb.) Rauh in Die Kakteen **C Va**, March 1964.

*Gymnocalycium friedrichii* (Werd.) Paz. n. comb. (= *G. mihanovichii* var. *friedrichii* Werd. in Bluh. Kakt. u. a. Sukk. Pfl. t. 113, Oct. 1936 non *G. friederickii* Johnson n. nud.) in Fricana Rada **IV**. 23: 3-19, 1964.

- Haageocereus chosicensis* Backeb. f. *rubrospinus* (Akers) Krainz n. comb. (= *Haageocereus chosicensis* Backeb. var. *rubrospinus* (Akers) Backeb. in Cact. & Succ. J. Amer. 23: 47, 1951) in Die Kakteen **C Va**, Nov. 1, 1964.
- Hymenorebutia napina* Pazout n. comb. (= *Lobivia napina* Pazout in Pazout, Valnicek & Subik "Kaktusy" 130, 1960) in Kakt. u. a. Sukk. 15: 125, July 1964.
- Lobivia densispina* (Werd.) Buin. n. comb. superfl. (= *L. densispina* (Werd.) Backeb. in Kaktus ABC 238, 1935; *Echinopsis densispina* Werd.) in Kakt. u. a. Sukk. 15: 25, Feb. 1964; Cact. & Succ. J. Gt. Brit. 26: 57, Aug. 1964.
- Lobivia tiegeliana* Wessn. var. *peclardiana* Krainz f. *albiflora* Krainz n. comb. (= *L. peclardiana* Krainz var. *albiflora* Krainz in Sukkulantenkunde **II**: 18, 1948) in Die Kakteen **C Vc**, Nov. 1, 1964.
- Lobivia tiegeliana* Wessn. var. *peclardiana* Krainz f. *winteriae* Krainz n. comb. (= *L. peclardiana* Krainz var. *winteriae* Krainz in Sukkulantenkunde **II**: 18, 1948) in Die Kakteen **C Vc**, Nov. 1, 1964.
- Lobivia tiegeliana* Wessn. var. *peclardiana* Krainz n. comb. (= *L. peclardiana* Krainz in Sukkulantenkunde **II**: 17-19, 1948) in Die Kakteen **C Vc**, Nov. 1, 1964.
- Mammillaria aureilanata* Backeb. forma *alba* (Backeb.) Krainz. n. comb. (= *M. aureilanata* Backeb. var. *alba* Backeb. in Blatt. f. Sukkulantenk. 5, 1949) in Die Kakteen **C VIIIc**, March 1964.
- Mammillaria prolifera* Haw. f. *haitiensis* (K. Sch.) Krainz. n. comb. (= *M. pusilla* var. *haitiensis* K. Sch. in Bluh. Kakt. 1: t. 46, 1903; *M. prolifera* var. *haitiensis* Borg) in Die Kakteen **C VIIIc**, June 1964.
- Mammillaria prolifera* Haw. f. *texana* (Engelm.) Krainz n. comb. (= *M. pusilla* var. *texana* Engelm. in Cact. Mex. Bound. 5, 1858; *M. texana* Poselg.; *M. prolifera* var. *texana* Berg., etc.) in Die Kakteen **C VIIIc**, June 1964.
- Mediolobivia famatimensis* (Speg.) Pazout n. comb. nud. (= *Echinocactus famatimensis* Speg. sine loc.) in Friciana Rada **IV**. 23: 21-23, 1964.
- Schlumbergera* × *buckleyi* (Buckley) Tjaden n. comb. 'Christmas Cactus' (= *Epiphyllum buckleyi* Buckley in Gard. Comp. & Florists' Guide 1852; *Schlumbergera truncata* (Haw.) Moran × *russelliana* (Hook.) Lem.) in Gard. Chron. 156: 421, 437, 444, 462, 468; Oct.—Nov. 1964.
- Weingartia corroanus* Card. n. comb. (= *W. pulquinensis* Card. var. *corroanus* Card. in Rev. Agric. Cochabamba 7: 30, 1951) in Cactus 82: 49, Sept.—Dec. 1964.
- Wigginsia* Porter n. nom. (= *Malacocarpus* Salm-Dyck 1850 non Fisch. & Mey. 1843; Typ. *Echinocactus corynodes* Pfeiff.) in Taxon 13: 210, July 1964.
- Wigginsia arechavaletae* (Speg.) Port. n. comb. (= *Echinocactus acuatius* var. *arechavaletae* Schum. ex Speg. in Anal. Mus. Nac. Buenos Aires 4: 494, 1905) in Taxon 13: 211, July 1964.
- Wigginsia corynodes* (Pfeiff.) Port. n. comb. (= *Echinocactus corynodes* Pfeiff. in Enum. Diagn. Cact. 55, 1837) in Taxon 13: 211, July 1964.
- Wigginsia erinacea* (Haw.) Port. n. comb. (= *Cactus erinaceus* Haw. in Suppl. Plant. Succ. 74, 1819) in Taxon 13: 210, July 1964.
- Wigginsia fricii* (Arech.) Port. n. comb. (= *Echinocactus fricii* Arech. in Anal. Mus. Nac. Montevideo 5: 244, 1905) in Taxon 13: 210, July 1964.
- Wigginsia langsdorfii* (Lehm.) Port. n. comb. (= *Cactus langsdorfii* Lehm. in Index Sem. Hort. Bot. Hamburg 17, 1826) in Taxon 13: 211, July 1964.
- Wigginsia leucocarpa* (Arech.) Port. n. comb. (= *Echinocactus leucocarpus* Arech. in Anal. Mus. Nac. Montevideo 5: 239, 1905) in Taxon 13: 211, July 1964.
- Wigginsia macroantha* (Arech.) Port. n. comb. (= *Echinocactus sellowii* var. *macroanthus* Arech. in Anal. Mus. Nac. Montevideo 5: 230, 1905) in Taxon 13: 210, July 1964.
- Wigginsia macrogona* (Arech.) Port. n. comb. (= *Echinocactus sellowii* var. *macrogonus* Arech. in Anal. Mus. Nac. Montevideo 5: 232, 1905) in Taxon 13: 210, July 1964.



*Wigginsia sessiliflora* (Hook.) Port. n. comb. (as "sessiflora") (= *Echinocactus sessiliflorus* Hook. in Curtis Bot. Mag. **64**: t. 3569, 1837) in Taxon **13**: 210, July 1964.

*Wigginsia sessiliflora* (Hook.) Port. ("sessiflora") var. *martinii* (Rumpl.) Port. n. comb. (= *Malacocarpus martinii* Rumpl. in Handb. Cacteenk. **2**: 454, 1886) in Taxon **13**: 210, July 1964.

*Wigginsia stegmannii* (Backeb.) Port. n. comb. (= *Malacocarpus stegmannii* Backeb. in Die Cact. **3**: 1623, 1959) in Taxon **13**: 211, July 1964.

*Wigginsia tephraantha* (Link & Otto) Port. n. comb. (= *Echinocactus tephraanthus* Link & Otto in Ver. Beford. Gartenb. K. Preuss Verh. **3**: 422, 1827) in Taxon **13**: 210, July 1964.

*Wigginsia tephraantha* (Link & Otto) Port. var. *depressa* (Speg.) Port. n. comb. (= *Echinocactus acuatius* var. *depressus* Speg. in Anal. Mus. Nac. Buenos Aires **4**: 494, 1905) in Taxon **13**: 210, July 1964.

*Wigginsia turbinata* (Arech.) Port. n. comb. (= *Echinocactus sellowii* var. *turbinatus* Arech. in Anal. Mus. Nac. Montevideo **5**: 235, 1905) in Taxon **13**: 211, July 1964.

*Wigginsia vorwerkiana* (Backeb.) Port. n. comb. (= *Echinocactus vorwerkianus* Werd. in Backeb. Neue Kakt. 101, 1931) in Taxon **13**: 210, July 1964.

### Crassulaceae

× *Graptoveria* 'Caerulescens' v. Kepp. n. cv. (= *Echeveria caerulescens* Gossot in Notre Vallée **24-25**: 36, 1938; *Graptopetalum paraguayense* × *Echeveria elegans*) in Succulenta **43**: 180, Dec. 1964.

*Sedum atratum* subsp. *carinthiacum* (Pach.) Webb n. comb. (= *S. atratum* var. *carinthiacum* Hoppe ex Pacher in Jahrb. Nat. Mus. Klag. 1885: 85) in Fedde Repert. **64**: 21, 1961, n. comb. nud.; l.c. **69**: 62, 1964.

### Liliaceae

*Aloe wildii* Reynolds n. comb. (= *A. torrei* Verd. & Chr. var. *wildii* Reyn. in Kirkia **1**: 158, 1961) in l.c. **4**: 13, 1964.

### Mesembryanthemaceae

*Delosperma gracillimum* L. Bol. n. nom. (= *D. gracile* L. Bol. in J. S. Afr. Bot. **27**: 180, 1961 non Notes on Mesemb. **3**: 319, 1958) in J. S. Afr. Bot. **30**: 243, Oct. 1964.

*Drosanthemum aureopurpureum* L. Bol. n. comb. (= *D. micans* Schwant. var. *aureopurpureum* L. Bol. in Notes on Mesemb. **3**: 154, 1939) in J. S. Afr. Bot. **30**: 38, Jan. 1964.

*Drosanthemum inornatum* L. Bol. n. comb. (= *Trichodiadema inornatum* L. Bol. in Notes on Mesemb. **2**: 8, 1928; *Drosanthemum tardum* L. Bol. in l.c. 183, 1930) in J. S. Afr. Bot. **30**: 38, Jan. 1964.

*Drosanthemum roseatum* (N.E.Br.) L. Bol. n. comb. (= *Mesembryanthemum roseatum* N.E.Br. in Gard. Chron. **87**: 32, 1930; *Ruschia comptonii* L. Bol. in Notes on Mesemb. **2**: 8, 1928; non *Drosanthemum comptonii* L. Bol.) in J. S. Afr. Bot. **30**: 37, Jan. 1964.

*Sphalmanthus resurgens* (Kens.) L. Bol. n. comb. (= *Mesembryanthemum resurgens* Kensit in Trans. Roy. Soc. S. Afr. **1**: 154, 1910; *Aridaria resurgens* L. Bol.; *Phyllobolus resurgens* N.E.Br. & Schwant.) in J. S. Afr. Bot. **30**: 42, Jan. 1964.

*Sphalmanthus subpetiolatus* L. Bol. n. comb. (= *Aridaria subpetiolata* L. Bol. in Notes on Mesemb. **2**: 476, 1934) in J. S. Afr. Bot. **30**: 42, 1964.

## NOMINA NUDA 1964

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

The INTERNATIONAL ORGANISATION 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 U.N.E.S.C.O., 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'U.N.E.S.C.O., mais n'en recevant aucune aide financière, les membres eux-mêmes pourvoient 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 U.N.E.S.C.O., 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.

REFS. "The I.O.S. in Britain" in *Nat. Cact. & Succ. J.* XII, 1957, 16.

"The I.O.S. Repertorium Plantarum Succulentarum" in *l.c.* 42.



