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**REPERTORIUM PLANTARUM**  
**SUCCULENTARUM**

**XII - 1961**  
*(including supplements)*

*Edited by*  
**G. D. ROWLEY**

September 1963

UTRECHT — NETHERLANDS

Published by the International Bureau for Plant Taxonomy and Nomenclature  
of the International Association for Plant Taxonomy



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*Volume 29*

REPERTORIUM PLANTARUM  
SUCCULENTARUM

XII

# REPERTORIUM PLANTARUM SUCCULENTARUM

*Edited by*

G. D. ROWLEY

*under the auspices of*

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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for Plant Taxonomy and Nomenclature of the International Association for Plant Taxonomy

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## DESCRIPTIONES NOVAE 1958

(Supplement)

### Portulacaceae

- Australes* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 9 (1958).
- Catoclasia* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 10 (1958).
- Conocarpae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 14 (1958).
- Convexae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 7 (1958).
- Cuneiformes* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 10 (1958).
- Echinatae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 6 (1958).
- Enalatae* Legrand n. ser. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 7 (1958).
- Enantiophylla* Legrand n. subgen. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 3 (1958).
- Haumania* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 6 (1958).
- Hipsoclasia* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 6 (1958).
- Lineales* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 8 (1958).
- Longistilae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 9 (1958).
- Mucronatae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 13 (1958).
- Neossia* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 3 (1958).
- Paucistigmae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 3 (1958).
- Pedicellatae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 13 (1958).
- Pilosae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 12 (1958).
- Planae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 8 (1958).
- Portulaca hoehnei* Legrand n. sp. in Com. Bot. Mus. Hist. Nat. Montevideo 33: 3 (1958).
- Portulaca macrosperma* Legrand n. sp. in Com. Bot. Mus. Hist. Nat. Montevideo 33: 1 (1958).
- Portulaca obtusifolia* Legrand n. sp. in Com. Bot. Mus. Hist. Nat. Montevideo 32: 1 (1958).
- Portulaca obtusifolia* var. *rubrisperma* Legrand n. var. in Com. Bot. Mus. Hist. Nat. Montevideo 32: 2 (1958).
- Portulacelloides* Legrand n. subg. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 4 (1958).
- Portulaphiton* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 5 (1958).
- Pseudohipsoclasia* Legrand n. sect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 8 (1958).
- Scariosae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 4 (1958).
- Sclerocarpae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 16 (1958).
- Squamosae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 15 (1958).



*Stipulatae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 9 (1958).

*Tuberculatae* Legrand n. subsect. (Genus *Portulaca*) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 6 (1958).

## COMBINATIONES NOVAE 1958

(Supplement)

### Portulacaceae

*Alatae* (Poelln.) Legrand n. comb. (Genus *Portulaca*, as n. ser.) (= *Alatae* v. Poellnitz p. p. in Fedde Rep. 37: 242, 1934) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 7 (1958).

*Dichocalyx* (Muell.) Legrand n. comb. (Genus *Portulaca*, as n. subgen.) (= *Dichocalyx* F. Muell. as sect. in Fragn. Phyt. Austr. 1: 170, 1829; *Micropyxis* F. Muell. as sect. in l. c. 171) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 2 (1958).

*Discoideae* (Kuntze) Legrand n. comb. (Genus *Portulaca*, as n. subsect.) (= *Disco-*

*portulaca* Kuntze in Rev. Gen. 3: 16, 1898 etc.) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 6 (1958).

*Portulacella* (Muell.) Legrand n. comb. (Genus *Portulaca*, as n. subgen.) (= *Portulacella* F. Muell. as sect. in Fragn. Phyt. Austr. 1: 170, 1829) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 2 (1958).

*Siphonopetalum* (Muell.) Legrand n. comb. (Genus *Portulaca*, as n. subgen.) (= *Siphonopetalum* F. Muell. as sect. in Fragn. Phyt. Austr. 10: 97, 1876; *Sedopsis* Engl. as sect.; *Sedopsis* (Engl.) Ex. & Mend. as gen.) in Com. Bot. Mus. Hist. Nat. Montevideo 34: 2 (1958).

## DESCRIPTIONES NOVAE 1960

(Supplement)

### Asclepiadaceae

*Ceropegia hians* Svent. n. sp. var. *hians* in Additamentum ad Floram Canariensem 40, 1960.

*Ceropegia hians* Svent. var. *striata* Svent. n. var. in Additamentum ad Floram Canariensem 41, 1960.

*Ceropegia ceratophora* Svent. n. sp. in Additamentum ad Floram Canariensem 44, 1960.

*Ceropegia chrysantha* Svent. n. sp. in Additamentum ad Floram Canariensem 42, 1960.

### Cactaceae

*Gymnocalycium andreae* (as „andreae”) Boed. var. *sveticianum* Pazout n. var. in Pazout, Valnicek & Subik „Kaktusy” 132, 1960.

*Gymnocalycium riojense* Fric ex Pazout n. sp. in Pazout, Valnicek & Subik „Kaktusy” 132, 65 (as „riochense”), 1960.

*Gymnocalycium stellatum* Speg. var. *minimum* Pazout n. var. in Pazout, Valnicek & Subik „Kaktusy” 131, 1960.

*Lobivia klusacekii* Fric var. *roseiflora* Subik n. var. in Pazout, Valnicek & Subik

*Lobivia napina* Pazout n. sp. in Pazout, Valnicek & Subik „Kaktusy” 130, 1960.

*Parodia jujuyana* Fric ex Subik n. sp. in Pazout, Valnicek & Subik „Kaktusy” 131, t. 63 (as „jujuana”), 1960.

*Pelecyphora valdeziana* Möll. var. *albiflora* Pazout, n. var. in Pazout, Valnicek & Subik „Kaktusy” 129, t. 81, 1960.

### Crassulaceae

*Aeonium vestitum* Svent. n. sp. in Additamentum ad Floram Canariensem 13, 1960.

*Annua* Svent. n. sect. (Gen. *Monanthes*; Typ. *M. ictERICA* Praeg.) in Additamentum ad Floram Canariensem 15, 1960.

*Monanthes adenoscepes* Svent. n. sp. in Additamentum ad Floram Canariensem 18, 1960.

*Monanthes amygdros* Svent. n. sp. in Additamentum ad Floram Canariensem 16, 1960.

*Monanthes brachycaulon* Lowe var. *adenopetala* Svent. n. var. in Additamentum ad Floram Canariensem 15, 1960.

*Monanthes brachycaulon* Lowe var. *nivata* Svent. n. var. in Additamentum ad Floram Canariensem 17, 1960.

*Petrophyella* Svent. n. sect. (Gen. *Monanthes*; Typ. ?) in Additamentum ad Floram Canariensem 15, 1960.

*Polyclada* Svent. n. sect. illeg. (= *Monanthes* Haw. Sect. *Monanthes*) in Additamentum ad Florem Canariensem 15, 1960.

*Sedoidea* Svent. n. sect. (Gen. *Monanthes*; Typ. ?) in Additamentum ad Floram Canariensem 15, 1960.

## Euphorbiaceae

*Euphorbia atropurpurea* Brouss. var. *modesta* Svent. n. var. in Additamentum ad Floram Canariensem 31, 1960.

*Euphorbia* x *jubaeaphylla* Svent. n. hybr. (= *E. regis-jubae* W. B. x *aphylla* Brouss.) in Additamentum ad Floram Canariensem 29, 1960.

*Euphorbia lambi* Svent. n. sp. in Additamentum ad Floram Canariensem 27, 1960.

## DESCRIPTIONES NOVAE 1961

### Asclepiadaceae

*Dualia andreaeana* Rauh n. sp. in Kakt. u. a. Sukk. 12: 114—8, Aug. 1961.

*Huernia repens* Lavranos n. sp. in J. S. Afr. Bot. 27: 11, Jan. 1961.

*Huernia nigeriana* Lavranos n. sp. in J. S. Afr. Bot. 27: 233, Oct. 1961.

### Cactaceae

*Akersia* Buining n. gen. (Typ. *A. roseiflora* Buin.) in Succulenta 1961: 25—27, March 1961.

*Akersia roseiflora* Buin. n. sp. in Succulenta 1961: 25, March 1961.

*Astrophytum myriostigma* Lem. var. *myriostigma* subvar. *glabrum* Backeb. n. subvar. in Die Cactaceae 5: 2656, 1961.

*Astrophytum myriostigma* Lem. var. *strongylogonum* Backeb. n. var. in Die Cactaceae 5: 2661, 1961.

*Borzicactus neoroezlii* Ritter n. sp. (= *Cleistocactus roezlii* Backeb. n. nud.; *Seticereus roezlii* Backeb. n. nud., non *Cereus roezlii* K. Sch.) in Kakt. u. a. Sukk. 12: 54, Apr. 1961.

*Cephalocereinae* Buxbaum n. subtr. (Typ. *Cephalocereus* Pfeiffer) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 92, July 1961.

*Cleistocactus azerensis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 74, May-June 1961.

*Cleistocactus crassicaulis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 77, May-June 1961.

*Cleistocactus piraymirensis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 78, May-June 1961.

*Cleistocactus vallegrandensis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 75, May-June 1961.

*Cleistocactus villamontesii* Card. n. sp. in Cact. & Succ. J. Amer. 33: 76, May-June 1961.

*Coryphantha alversonii* Orc. var. *exaltissima* Wieg. & Backeb. n. var. in Backeb. Die Cactaceae 5: 3001, 1961.

*Echinofossulocactus erectocentrus* Backeb. n. sp. in Die Cactaceae 5: 2772, 1961.

*Lobivia aureoilacina* Card. n. sp. in Cact. & Succ. J. Amer. 33: 110, Jul.-Aug. 1961.

*Lobivia pseudocariquinensis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 111, Jul.-Aug. 1961.

*Lobivia tiegeliana* Wessn. var. *distefanoiana* Cullm. & Ritt. n. var. in Kakt. u. a. Sukk. 12: 7, Jan. 1961.

*Mammillaria albidula* Backeb. n. sp. in Die Cactaceae 5: 3429, 1961.

*Mammillaria avila-camacho* Shurly n. sp. (= *M. avila camacho* Schmoll nom. nud.) in Backeb. Die Cactaceae 5: 3464, 1961.

*Mammillaria barkeri* Shurly n. sp. (= *M. barkeri* Schmoll nom. nud.) in Backeb. Die Cactaceae 5: 3464, 1961.

*Mammillaria columbiana* S. D. var. *albescens* Haage & Backeb. n. var. subnud. (sine diagn. lat.) in Backeb. Die Cactaceae 5: 3390, 1961.

*Mammillaria ebenacantha* Shurly n. sp. subnud. (sine diagn. lat.) (= *M. ebenacantha* Schmoll nom. nud.) in Backeb. Die Cactaceae 5: 3469, 1961.

*Mammillaria egregia* Backeb. n. sp. (= *M. egregia* Schwarz nom. nud.) in Die Cactaceae 5: 3261, 1961.

- Mammillaria magneticola* Meyran n. sp. in Cact. y Suc. Mex. 6: 17, Jan.-March 1961.
- Mammillaria pilensis* Shurly n. sp. in Backeb. Die Cactaceae 5: 3408, 1961.
- Mammillaria pseudosimplex* Haage & Backeb. n. sp. subnud. (sine diagn. lat. in Backeb. Die Cactaceae 5: 3390, 1961.
- Mammillaria supertexta* Mart. var. *leucostoma* Backeb. n. var. in Die Cactaceae 5: 3230, 1961.
- Mammillaria tiegeliana* Backeb. n. sp. (= *M. tiegeliana* Neale nom. nud.) in Die Cactaceae 5: 3402, 1961.
- Monvillea apoloensis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 74, May-June 1961.
- Myrtillocactinae* Buxbaum n. subtr. (Typ. *Myrtillocactus* Console) in Bot. Stud. 12: - Entw. der Tribus Pachycereae 93, July 1961.
- Ortegocactus* Alexander n. gen. (Typ. *O. macdougallii* Alex.) in Cact. & Succ. J. Amer. 33: 39, March-Apr. 1961.
- Ortegocactus macdougallii* Alex. n. sp. in Cact. & Succ. J. Amer. 33: 39, March-Apr. 1961; Cact. y. Suc. Mex. 6: [25], Apr.-June 1961.
- Pachycereinae* Buxbaum n. subtr. (Typ. *Pachycereus* (Berg) Br. & R.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 89, July 1961.
- Parodia miguillensis* Card. n. sp. in Cact. & Succ. J. Amer. 33: 109, Jul.-Aug. 1961.
- Parodia splendens* Card. n. sp. in Cact. & Succ. J. Amer. 33: 108, Jul.-Aug. 1961.
- Parodia tarabucina* Card. n. sp. in Cact. & Succ. J. Amer. 33: 108, Jul.-Aug. 1961.
- Pediocactus simpsonii* Br. & R. var. *caespiticus* Backeb. n. var. in Die Cactaceae 5: 2846, 1961; Nat. Cact. & Succ. J. 14: 63, Dec. 1959.
- Pilocopiapoa* Ritter n. gen. (Typ. *P. solaris* Ritt.) in Kakt. u. a. Sukk. 12: 20—22, Feb. 1961.
- Pilocopiapoa solaris* Ritt. n. sp. in Kakt. u. a. Sukk. 12: 20, Feb. 1961.
- Pseudomitrocereus* Bravo & Buxb. n. gen. (Typ. *P. fulviceps* (Web.) Bravo & Buxb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 48—54, July 1961.
- Pterocereinae* Buxbaum n. subtr. (Typ. *Pterocereus* MacD. & Mir.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 88, July 1961.
- Pyrrhocactus calderanus* Ritter n. sp. in Succulenta 1961: 13, Feb. 1961.
- Pyrrhocactus confinis* Ritter n. sp. in Succulenta 1961: 4, Jan. 1961.
- Pyrrhocactus gracilis* Ritter n. sp. in Succulenta 1961: 129, Dec. 1961.
- Pyrrhocactus huascensis* Ritter n. sp. in Succulenta 1961: 57, June 1961.
- Pyrrhocactus simulans* Ritter n. sp. in Succulenta 1961: 35, April 1961.
- Pyrrhocactus totoralensis* Ritter n. sp. in Succulenta 1961: 131, Dec. 1961.
- Rebutia candiae* Card. n. sp. in Cact. & Succ. J. Amer. 33: 112, Jul.-Aug. 1961.
- Rebutia menesesii* Card. n. sp. in Cact. & Succ. J. Amer. 33: 113, Jul.-Aug. 1961.
- Stenocereinae* Buxbaum n. subtr. (Typ. *Stenocereus* (Berg.) Ricc.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 90, July 1961.
- Tephrocactus floccosus* (S. D.) Backeb. var. *cardenasii* Marn. n. var. (sine typ.) in Cactus 72: 137, Oct. 1961.
- Thrixanthocereus cullmannianus* Ritt. n. sp. in Kakt. u. a. Sukk. 12: 118, Aug. 1961.
- Thrixanthocereus senilis* Ritter n. sp. in Kakt. u. a. Sukk. 12: 89, June 1961.
- Turbincarpus polaskii* Backeb. n. sp. in Die Cactaceae 5: 2883, 1961.
- Weingartia erinacea* Ritter n. sp. in Cact. & Succ. J. Gt. Brit. 23: 8, 11; Jan. 1961.
- Weingartia erinacea* Ritter var. *catarirensis* Ritter n. var. in Cact. & Succ. J. Gt. Brit. 23: 9; Jan. 1961.
- Weingartia lanata* Ritter n. sp. in Nat. Cact. & Succ. J. 16: 7, March 1961.
- Weingartia longigibba* Ritter n. sp. in Cact. & Succ. J. Gt. Brit. 23: 8, 11; Jan. 1961.
- Weingartia multispina* Ritter n. sp. in Nat. Cact. & Succ. J. 16: 7, March 1961.
- Weingartia riograndensis* Ritter n. sp. in Cact. & Succ. J. Gt. Brit. 23: 9, 11; Jan. 1961.
- Weingartia sucrensii* Ritter n. sp. in Nat. Cact. & Succ. J. 16: 8, March 1961.

### Crassulaceae

- Ciliatae* Moran ser. nov. (Gen. *Echeveria*; typ. *E. ciliata* Moran) in Cact. & Succ. J. Amer. 33: 139, Sept.-Oct. 1961.
- Echeveria ciliata* Moran n. sp. in Cact. & Succ. J. Amer. 33: 131, Sept.-Oct. 1961.
- Echeveria waltheri* Moran & Meyran n. sp. in Cact. y Suc. Mex. 6: [77], 79—85, Oct.-Dec. 1961.
- Sedum furfuraceum* Moran n. sp. in Cact. & Succ. J. Amer. 33: 103, Jul.-Aug. 1961.

### Didiereaceae

- Alluaudia montagnaci* Rauh n. sp. in Adansonia 1: 43, 1961.
- Alluaudiopsis marnieriana* Rauh n. sp. in Adansonia 1: 49, 1961.
- Didierea trollii* Capuron & Rauh n. sp. in Adansonia 1: 39, 1961; Kakt. u. a. Sukk. 12: 82—88, June 1961.

### Euphorbiaceae

- Euphorbia cylindrifolia* Marn. & Rauh n. sp. in Kakt. u. a. Sukk. 12: 66—70, May 1961; Cactus 72: 147—151, Oct. 1961.
- Monadenium angolense* Bally n. sp. in The Genus Monadenium 95, 1961.
- Monadenium chevalieri* N. E. Br. var. *fili-forme* Bally n. var. in The Genus Monadenium 32, 1961.
- Monadenium chevalieri* N. E. Br. var. *spathulatum* Bally n. var. in The Genus Monadenium 33, 1961.
- Monadenium fanshawei* Bally n. sp. in The Genus Monadenium 26, 1961.
- Monadenium orobanchoides* Bally var. *calycinum* Bally n. var. in The Genus Monadenium 38, 1961.
- Monadenium rhizophorum* Bally var. *stoloniferum* Bally n. var. in The Genus Monadenium 55, 1961.
- Monadenium virgatum* Bally n. sp. in The Genus Monadenium 65, 1961.

### Liliaceae

- Aloe bullockii* Reynolds n. sp. in J. S. Afr. Bot. 27: 73, May 1961.
- Aloe calcaitrophila* Reynolds n. sp. in J. S. Afr. Bot. 27: 5, Jan. 1961.
- Aloe catengiana* Reynolds n. sp. in Kirkia 1: 160, Feb. 1961.

- Aloe compacta* Reynolds n. sp. in Kirkia 1: 162, Feb. 1961.
- Aloe cremnophila* Reynolds & Bally n. sp. in J. S. Afr. Bot. 27: 77, May 1961.
- Aloe howmanii* Reynolds n. sp. in Kirkia 1: 156, Feb. 1961.
- Aloe monotropa* Verdoorn n. sp. in Fl. Pl. Afr. 34 t. 1342, March 1961.
- Aloe schelpei* Reynolds n. sp. in J. S. Afr. Bot. 27: 1, Jan. 1961.
- Aloe torrei* Verd. & Chr. var. *wildii* Reynolds n. var. in Kirkia 1: 158, Feb. 1961.

### Mesembryanthemaceae

- Astridia blanda* L. Bol. n. sp. in J. S. Afr. Bot. 27: 123, April 1961.
- Astridia blanda* L. Bol. forma *angustata* L. Bol. n. forma in J. S. Afr. Bot. 27: 171, July 1961.
- Astridia blanda* L. Bol. forma *latipetala* L. Bol. n. forma in J. S. Afr. Bot. 27: 171, July 1961.
- Astridia latisejala* L. Bol. n. sp. in J. S. Afr. Bot. 27: 169, July 1961.
- Astridia rubra* L. Bol. var. *alba* L. Bol. n. var. in J. S. Afr. Bot. 27: 170, July 1961.
- Astridia rubra* L. Bol. var. *citrina* L. Bol. n. var. in J. S. Afr. Bot. 27: 170, July 1961.
- Astridia ruschii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 169, July 1961.
- Astridia speciosa* L. Bol. n. sp. in J. S. Afr. Bot. 27: 111, April 1961.
- Brevivaginatae* Friedr. Sect. nov. (Gen. *Ruschia*; Typ. *R. schneideriana* (Bgr.) L. Bol.) in Mitt. Bot. Staatss. München 4: 135, Dec. 1961.
- Cephalophyllum breviflorum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 176, July 1961.
- Cephalophyllum hallii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 57, Jan. 1961.
- Cephalophyllum laetulum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 56, Jan. 1961.
- Cheiridopsis vanheerdei* L. Bol. n. sp. in J. S. Afr. Bot. 27: 55, Jan. 1961.
- Conophytum ampliatum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 178, July 1961.
- Conophytum complanatum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 111, April 1961.
- Conophytum littlewoodii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 60, Jan. 1961.

- Conophytum longitubum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 112, April 1961.
- Conophytum membranaceum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 112, April 1961.
- Conophytum paupere* L. Bol. n. sp. in J. S. Afr. Bot. 27: 122, April 1961.
- Conophytum senarium* L. Bol. n. sp. in J. S. Afr. Bot. 27: 60, Jan. 1961.
- Conophytum stenandrum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 177, July 1961.
- Cylindrophyllum hallii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 61, Jan. 1961.
- Delosperma appressum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 179, July 1961.
- Delosperma gracile* L. Bol. n. sp. in J. S. Afr. Bot. 27: 180, July 1961.
- Delosperma hallii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 49, Jan. 1961.
- Ebracteola candida* L. Bol. n. sp. in J. S. Afr. Bot. 27: 50, Jan. 1961.
- Lampranthus franciscii* (as „francisci”) L. Bol. n. sp. in J. S. Afr. Bot. 27: 113, April 1961.
- Lampranthus littlewoodii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 114, April 1961.
- Lampranthus neostayneri* L. Bol. n. sp. in J. S. Afr. Bot. 27: 58, Jan. 1961.
- Lampranthus subtruncatus* L. Bol. var. *wupperthalensis* L. Bol. n. var. in J. S. Afr. Bot. 27: 114, April 1961.
- Lithops divergens* L. Bol. var. *amethystina* De Boer n. var. in Succulenta 1961: 40, April 1961.
- Lithops elisae* De Boer n. sp. in Succulenta 1961: 107, Oct. 1961.
- Lithops julii* N. E. Br. var. *reticulata* Tischer ex De Boer & Boom n. var. (= *L. julii* var. *typica* Tischer in Succulenta 1952: 5, Jan.-Feb. 1952 n. subnud.) in l.c. 1961: 43, April 1961.
- Lithops lesliei* N. E. Br. (as „leslei.”) var. *minor* De Boer n. var. in Succulenta 1961: 53, May 1961.
- Lithops pseudotruncatella* N. E. Br. var. *groendrayensis* Jacobs. n. var. (sine typ.) in Kakt. u. a. Sukk. 12: 169, Nov. 1961.
- Lithops pseudotruncatella* N. E. Br. var. *volkii* De Boer & Boom n. var. in Succulenta 1961: 68, June 1961.
- Nananthus margaritiferus* L. Bol. n. sp. in J. S. Afr. Bot. 27: 55, Jan. 1961.
- Nycteranthus tenuifolius* (L. Bol.) Schwant. [nom. illeg.] var. *speciosus* (as “speciosa”) L. Bol. n. var. illeg. in J. S. Afr. Bot. 27: 177, July 1961.
- Opophytum australe* L. Bol. n. sp. in J. S. Afr. Bot. 27: 115, April 1961.
- Psilocaulon candidum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 116, April 1961.
- Psilocaulon littlewoodii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 117, April 1961.
- Psilocaulon oculatum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 118, April 1961.
- Psilocaulon simulans* L. Bol. n. sp. in J. S. Afr. Bot. 27: 119, April 1961.
- Psilocaulon stayneri* L. Bol. n. sp. in J. S. Afr. Bot. 27: 119, April 1961.
- Ruschia argentea* L. Bol. n. sp. in J. S. Afr. Bot. 27: 52, Jan. 1961.
- Ruschia compressa* L. Bol. n. sp. in J. S. Afr. Bot. 27: 54, Jan. 1961.
- Ruschia kuboosana* L. Bol. n. sp. in J. S. Afr. Bot. 27: 53, Jan. 1961.
- Ruschia littlewoodii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 51, Jan. 1961.
- Ruschia modesta* L. Bol. forma *glabrescens* L. Bol. n. forma in J. S. Afr. Bot. 27: 54, Jan 1961.
- Ruschia paucipetala* L. Bol. n. sp. in J. S. Afr. Bot. 27: 51, Jan. 1961.
- Ruschia pollardii* Friedr. n. sp. in Mitt. Bot. Staatss. München 4: 136, 142; Dec. 1961.
- Ruschia stenopetala* L. Bol. n. sp. in J. S. Afr. Bot. 27: 53, Jan. 1961.
- Ruschianthus* L. Bol. n. gen. (Typ. *R. falcatus* L. Bol.) in J. S. Afr. Bot. 27: 62, Jan. 1961.
- Ruschianthus falcatus* L. Bol. n. sp. in J. S. Afr. Bot. 27: 62—63, Jan. 1961.
- Sphalmanthus littlewoodii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 56, Jan. 1961.
- Stayneria* L. Bol. n. gen. (Typ. *S. littlewoodii* L. Bol.) in J. S. Afr. Bot. 27: 47, Jan. 1961.
- Stayneria littlewoodii* L. Bol. n. sp. in J. S. Afr. Bot. 27: 47—48, Jan. 1961.
- Stoebertia apetala* L. Bol. n. sp. in J. S. Afr. Bot. 27: 120, April 1961.

*Trichodiadema obliquum* L. Bol. n. sp. in J. S. Afr. Bot. 27: 122, April 1961.

*Trichodiadema stayneri* L. Bol. n. sp. in J. S. Afr. Bot. 27: 121, April 1961.

*Wooleya* L. Bol. n. gen. (Typ. *W. farinosa* L.

Bol.) in J. S. Afr. Bot. 27: 48, Jan. 1961.

#### Portulacaceae

*Ceraria longipedunculata* Merxm. & Podl. n. sp. in Mitt. Bot. Staats. München 4: 73—4, July 1961.

### COMBINATIONES NOVAE 1961

#### Apocynaceae

*Adenium obesum* (Forsk.) R. & S. var. *multiflorum* (Kl.) Codd n. comb. (= *A. multiflorum* Klotzsch in Peters Reise Mossamb. Bot. 279, t. 44, 1861) in Bothalia 7: 452, 1961.

#### Asclepiadaceae

*Brachystelma blepharantera* Huber nom. nov. (= *Blepharantera dinteri* Schlecht. in Bot. Jahrb. 51: 146, 1913; *B. edulis* Schlecht.; non *Brachystelma dinteri* Schlecht. nec *B. edule* Coll. & Hemsl.) in Mitt. Bot. Staats. München 4: 33, July 1961.

*Caralluma maculata* N. E. Br. var. *brevidens* Huber n. comb. (= *C. rangeana* Dtr. & Bgr. in Bot. Jahrb. 50 (Suppl.): 591, 1914; *Piaranthus streyianus* Nel) in Mitt. Bot. Staats. München 4: 33, July 1961.

*Hoodia bainii* T.-Dyer var. *juttiae* (Dint.) Huber n. comb. (= *H. juttiae* Dinter in Neue Pfl. Deutsch-Südwest-Afr. 34, 1914) in Mitt. Bot. Staats. München 4: 33, July 1961.

*Stapelianthus pilosus* Lavr. & Hardy nom. nov. (= *Trichocaulon decaryi* Choux in Ann. Mus. Col. Marseille 2: 10, 1932; non *Stapelianthus decaryi* Choux) in J. S. Afr. Bot. 27: 237, Oct. 1961.

*Trichocaulon clavatum* (Willd.) Huber n. comb. (= *Stapelia clavata* Willd. in Sp. Plant. 1: 1295, 1798; *S. cactiformis* Hook.; *Trichocaulon cactiforme* N. E. Br.; *T. marlothii* N. E. Br.; *T. dinteri* Berg.; *T. meloforme* Marl.; *T. engleri* Dint.; *T. keetmanshoopense* Dint.; *T. sinusluederitzii* Dint.; *T. sociarum* White & Sloane) in Mitt. Bot. Staats. München 4: 35, July 1961.

#### Cactaceae

*Ariocarpus trigonus* Sch. var. *elongatus* (S. D.) Backeb. n. comb. (= *Anhalonium elongatum* S. D. in Cact. Hort. Dyck. 1849:

77, 1850; *A. pulvilligerum* Lem.; *Mammillaria elongata* Hemsl. non D. C.; *Ariocarpus elongatus* Lee, etc.) in Die Cactaceae 5: 3087, 1961.

*Astrophytum myriostigma* Lem. var. *potosinum* Kreuz. subvar. *tulense* (Kays.) Backeb. n. comb. (= *A. myriostigma* subsp. *tulense* Kays. in Der—Borg. etc.) in Die Cactaceae 5: 2660, 1961.

*Astrophytum myriostigma* Lem. var. *strongylogonum* Backeb. subvar. *nudum* (Mey.) Backeb. n. comb. (= *Echinocactus myriostigma* var. *nuda* R. Mey. in Monatss. f. Kakteenk. 136—7, 1912; *Astrophytum myriostigma* var. *nudum* Meg.; etc) in Die Cactaceae 5: 2662, 1961.

*Astrophytum ornatum* Web. var. *ornatum* subvar. *glabrescens* (Sch.) Backeb. n. comb. (= *Echinocactus ornatus glabrescens* Web. MS.) K. Sch. in Gesamtbeschr. d. Kakt. 324, 1898; *Astrophytum ornatum* var. *glabrescens* Okum) in Die Cactaceae 5: 2664, 1961.

*Cephalocereus backebergii* (Weing.) Buxb. n. comb. (= *Cereus backebergii* Weingart in Monatsschr. d. D. K. G. 2: 167, 1930; *Pilosocereus backebergii* Byl. & Rowl.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.

*Cephalocereus guerreronis* (Backeb.) Buxb. n. comb. (= *Pilocereus guerreronis* Backeb. in Beitr. z. Sukk. u. Pflege 1: 3, 1941; *Pilosocereus guerreronis* Byl. & Rowl.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.

*Copiapoa streptocaulon* (Hook.) Ritter n. comb. (= *Echinocactus streptocaulon* Hooker in Curtis Bot. Mag. 77 t. 4562, 1851) in Kakt. u. a. Sukk. 12: 4, Jan. 1961.

*Coryphantha chlorantha* Eng. var. *deserti* (Eng.) Backeb. n. comb. (= *Mammillaria deserti* Engelm. in Bot. Calif. 2: 449, 1880; *Coryphantha vivipara* var. *deserti* Marsh.; *Escobaria deserti* Buxb.; etc.) in Die Cactaceae 5: 3003, 1961.

- Coryphantha clava* Lem. var. *schlechtendalii* (Ehrenb.) Backeb. n. comb. (= *Mammillaria schlechtendalii* Ehrenb. in *Linnaea* 14: 377, 1840; etc.) in *Die Cactaceae* 5: 3040, 1961.
- Coryphantha clavata* Backeb. var. *ancistracantha* (Lem.) Heinr. n. comb. (= *Mammillaria ancistracantha* Lem. in *Cact. Gen. Nov.* Sp. 36, 1939; *Coryphantha ancistracantha* Lem.; *C. raphidacantha ancistracantha* Ito, etc.) in *Backeb. Die Cactaceae* 5: 2995, 1961.
- Coryphantha clavata* Backeb. var. *radicantissima* (Quehl) Heinr. n. comb. (= *Mammillaria radicanissima* Quehl in *Monatss. f. Kakteenk.* 164, 1912) in *Backeb. Die Cactaceae* 5: 2994—5, 1961.
- Coryphantha neoscheeri* Backeb. n. nom. (= *Mammillaria scheeri* Mühl. in *Allg. Gartenz.* 15: 97, 1847 non 1845; *Echinocactus muehlenpfordtii* Pos. non Fennel; *Coryphantha scheeri* Lem.; etc.) in *Die Cactaceae* 5: 3051, 1961.
- Coryphantha poselgeriana* Br. & R. var. *valida* Heinr. n. nom. (= *Mammillaria valida* Purp. in *Monatss. f. Kakteenk.* 21: 97, 1911, non Web. 1898) in *Backeb. Die Cactaceae* 5: 3050, 1961.
- Coryphantha vivipara* Eng. var. *neo-mexicana* (Eng.) Backeb. n. comb. (= *Mammillaria vivipara radiosa neo-mexicana* Engelm. in *Proc. Amer. Acad.* 3: 269, 1856; *Coryphantha neo-mexicana* Br. & R.; *Escobaria neo-mexicana* Buxb.; etc.) in *Die Cactaceae* 5: 2999, 1961.
- Coryphantha vivipara* Eng. var. *radiosa* (Eng.) Backeb. n. comb. (= *Mammillaria radiosa* Engelm. in *Bost. J. Nat. Hist.* 6: 196, 1850; *Coryphantha radiosa* Rydb.; *Escobaria radiosa* Frank; etc.) in *Die Cactaceae* 5: 2998, 1961.
- Disocactus acuminatus* (Cuf.) Kimn. n. comb. (= *Pseudorhipsalis acuminata* Cufodontis in *Arch. Bot. Sist. Fit.* 9: 196, 1933) in *Cact. & Succ. J. Amer.* 33: 14, Jan.-Feb. 1961.
- Disocactus alatus* (Swartz) Kimn. n. comb. (= *Cactus alatus* Swartz in *Prodr.* 77, 1788; *Pseudorhipsalis alata* Br. & R.) in *Cact. & Succ. J. Amer.* 33: 14, Jan.-Feb. 1961.
- Disocactus himantocladus* (R. Goss.) Kimn. n. comb. (= *Rhispalis himantoclada* Rol.-Goss. in *Bull. Soc. Bot. France* 55: 694, 1908; *Pseudorhispalis himantoclada* Br. & R.) in *Cact. & Succ. J. Amer.* 33: 14, Jan.-Feb. 1961.
- Disocactus ramulosus* (S. D.) Kimn. n. comb. (= *Cereus ramulosus* Salm-Dyck in *Hort. Dyck.* 340, 1834; *Rhispalis ramulosa* Pfeiff.; *Hariota ramulosa* Lem., etc.) in *Cact. & Succ. J. Amer.* 33: 14, Jan.-Feb. 1961.
- Dolichothele balsasoides* (Craig) Backeb. n. comb. (= *Mammillaria balsasoides* Craig in *Mamm. Handb.* 158, 1945) in *Die Cactaceae* 5: 3527, 1961.
- Dolichothele beneckeii* (Ehr.) Backeb. n. comb. (= *Mammillaria beneckeii* Ehrenb. in *Allg. Gartenz.* 12: 401, 1844; *M. aylostera* Werd.; *Dolichothele aylostera* Backeb.; etc.) in *Die Cactaceae* 5: 3524, 1961.
- Dolichothele nelsonii* (Br. & R.) Backeb. n. comb. (= *Neomammillaria nelsonii* Br. & R. in *The Cact.* 4: 163, 1923; *Chilita nelsonii* Orc.; *Mammillaria nelsonii* Böd.; etc.) in *Die Cactaceae* 5: 3525, 1961.
- Dolichothele zephyranthoides* (Scheidw.) Backeb. n. comb. (= *Mammillaria zephyranthoides* Scheidw. in *Allg. Gartenz.* 9: 41, 1841; *Neomammillaria zephyranthoides* Br. & R.; *Chilita zephyranthoides* Orc.; etc.) in *Die Cactaceae* 5: 3528, 1961.
- Echinomastus intertextus* Br. & R. var. *dasyacanthus* (Eng.) Backeb. n. comb. (= *Echinocactus intertextus dasyacanthus* Engelm. in *Proc. Amer. Acad.* 3: 277, 1856; *Echinomastus dasyacanthus* Br. & R.) in *Die Cactaceae* 5: 2832, 1961.
- Echinopsis kermesina* Krainz n. comb. (= *Pseudobolivia kermesina* Krainz in *Beitr. z. Sukk. u. Pflege* 1942, 61) in *Die Kakteen C Va*, Feb. 1961.
- Escobaria duncanii* (Hest.) Backeb. n. comb. (= *Escobesseyia duncanii* Hester in *Des. Pl. Life* 17: 23—25, 1945) in *Die Cactaceae* 5: 2966, 1961.
- Escobaria emskoetteriana* (Quehl) Backeb. n. comb. (= *Mammillaria emskoetteriana* Quehl in *Monatss. f. Kakteenk.* 139, 1910; *Coryphantha emskoetteriana* Berg.) in *Die Cactaceae* 5: 2958, 1961.
- Escobaria nellieae* (Croiz.) Backeb. n. comb. (= *Coryphantha nellieae* Croizat in *Torrey* 34: 15, 1934) in *Die Cactaceae* 5: 2967, 1961.

- Escobaria zilziana* (Böd.) Backeb. n. comb. (= *Coryphantha zilziana* Böd. in Monatschr. d. D. K. G. 233, 1930; *Neobesseyia zilziana* Böd.) in Die Cactaceae 5: 2957, 1961.
- Escontria* Rose emend. Buxb. in Bot. Stud. 12 — Entw. der Tribus Pachycereae 45, July 1961.
- Escontria lepidantha* (Eichl.) Buxb. n. comb. (= *Cereus lepidanthus* Eichlam in Monatschr. f. Kakt. 19: 177, 1909; *Pachycereus lepidanthus* Br. & R.; *Anisocereus lepidanthus* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 45, 99, July 1961.
- Ferocactus emoryi* (Eng.) Backeb. n. comb. (= *Echinocactus emoryi* Engelm. in Emory Mil. Recon. 157, 1848; *Ferocactus covillei* Br. & R.; *Echinocactus covillei* Berg.) in Die Cactaceae 5: 2717, 1961.
- Ferocactus pottsii* (S. D.) Backeb. n. comb. (= *Echinocactus pottsii* S. D. in Allg. Gartenz. 18: 395, 1850 non *E. bicolor pottsii* S. D. 1850 nec *Thelocactus pottsii* Br. & R.) in Die Cactaceae 5: 2738, 1961.
- Ferocactus stainesii* Br. & R. var. *haematacanthus* (S. D.) Backeb. n. comb. (= *Echinocactus electracanthus haematacanthus* S. D. in Cact. Hort. Dyck. Cult. 1849: 150, 1850; *Echinocactus haematacanthus* Monv.; *Ferocactus haematacanthus* Borg) in Die Cactaceae 5: 2700, 1961.
- Ferocactus stainesii* Br. & R. var. *pilosus* (Gal.) Backeb. n. comb. (= *Echinocactus pilosus* Gal. in S. D. Cact. Hort. Dyck. Cult. 1849: 148, 1850; *Ferocactus pilosus* Werd.) in Die Cactaceae 5: 2702, 1961.
- Ferocactus stainesii* Br. & R. var. *pringlei* (Coult.) Backeb. n. comb. (= *Echinocactus pilosus pringlei* Coulter in Contr. U. S. Nat. Herb. 3: 365, 1896; *E. pringlei* Rose; *Ferocactus pringlei* Br. & R.) in Die Cactaceae 5: 2701, 1961.
- Ferocactus tiburonensis* (Linds.) Backeb. n. comb. (= *F. wislizenii* Br. & R. var. *tiburonensis* Lindsay in J. Cact. & Succ. Soc. Amer. 27: 166, 1955) in Die Cactaceae 5: 2719, 1961.
- Ferocactus victoriensis* (Rose) Backeb. n. comb. (= *Echinocactus victoriensis* Rose in Contr. U. S. Nat. Herb. 12: 291, 1909; *Ferocactus echidne* var. *victoriensis* Linds.) in Die Cactaceae 5: 2728, 1961.
- Glandulicactus uncinatus* Backeb. var. *wrightii* (Eng.) Backeb. n. comb. (= *Echinocactus uncinatus wrightii* Engelm. in Proc. Amer. Acad. 3: 272, 1856; *E. wrightii* Coult.; *Echinomastus uncinatus* var. *wrightii* Knuth) in Die Cactaceae 5: 2925, 1961.
- Gymnocactus beguinii* Backeb. var. *smithii* (Mühl.) Backeb. n. comb. (= *Echinocactus smithii* Mühl. in Otto & Dietr. Allg. Gartenz. 14: 370, 1846; *Thelocactus smithii* Borg) in Die Cactaceae 5: 2855, 1961.
- Gymnocactus conothelos* (Reg. & Klein) Backeb. n. comb. (= *Echinocactus conothelos* Reg. & Klein in Ind. Sem. Hort. Petrop. 48, 1860; *Thelocactus conothelos* Knuth) in Die Cactaceae 5: 2859, 1961.
- Gymnocactus mandragora* (Fric) Backeb. n. comb. (= *Echinocactus mandragora* Fric ex Berg. Kakteen 255, 1929; *Rapicactus mandragora* Buxb. & Oehme) in Die Cactaceae 5: 2862, 1961.
- Gymnocactus ysabelae* (Schlange) Backeb. n. comb. (= *Thelocactus ysabelae* Schlange in J. Cact. & Succ. Soc. Amer. 5: 551, 1934) in Die Cactaceae 5: 2856, 1961.
- Gymnocactus ysabelae* Backeb. var. *brevispinus* (Schlange) Backeb. n. comb. (= *Thelocactus ysabelae* var. *brevispinus* Schlange in J. Cact. & Succ. Soc. Amer. 5: 551, 1934) in Die Cactaceae 5: 2856, 1961.
- Jasminocereus thouarsii* (Web.) Buxbaum n. comb. superfl. (= *J. galapagensis* (Web.) Br. & R.) in Krainz Die Kakteen C IV, Feb. 1961.
- Lepidocoryphantha runyonii* (Br. & R.) Backeb. n. comb. (= *Coryphantha runyonii* Br. & R. in The Cact. 4: 26, 1923) in Die Cactaceae 5: 2975, 1961.
- Lophophora lutea* (Rouh.) Backeb. n. comb. (= *Echinocactus williamsii* var. *lutea* Rouhier in Trav. Lab. Med. Pharm. Fac. Paris 17: 62—65, 1927; *Lophophora echinata* var. *lutea* Croiz.; *L. williamsii* var. *lutea* Soul.) in Die Cactaceae 5: 2901, 1961.
- Lophophora lutea* Backeb. var. *texana* (Kreuz.) Backeb. n. comb. (= *L. williamsii* var. *texana* Fric ex Kreuzinger Verzeichnis 9, 1935) in Die Cactaceae 5: 2903, 1961.
- Mammillaria carnea* Zucc. var. *subtetragona* (Dietr.) Backeb. n. comb. (= *M. subtetragona* Dietrich in Allg. Gartenz. 8: 169, 1840, etc.) in Die Cactaceae 5: 3145, 1961.
- Mammillaria columbiana* S. D. var. *bogotensis* (Werd.) Backeb. n. comb. (= *M. bogotensis* Werd. in Backeb. Neue Kakteen 98, 1931) in Die Cactaceae 5: 3389, 1961.



- Mammillaria elongata* D. C. var. *densa* (Lk. & O.) Backeb. n. comb. (= *M. densa* Lk. & O. in Icon. Pl. Rar. 69, 1830; *M. echinata densa* Pfeiff.; etc.) in Die Cactaceae 5: 3258, 1961.
- Mammillaria elongata* D. C. var. *echinaria* (D. C.) Backeb. n. comb. (= *M. echinaria* D. C. in Mem. Mus. Hist. Nat. Paris 17: 110, 1828; *M. elongata echinata* Sch. non Backeb.; etc.) in Die Cactaceae 5: 3257, 1961.
- Mammillaria elongata* D. C. var. *echinata* Backeb. n. comb. superfl. (= *M. echinata* D. C. in Mem. Cact. 3, 1834, non *M. elongata* D. C. *echinata* Schum.) in Die Cactaceae 5: 3257, 1961.
- Mammillaria flavescens* Haw. var. *nivosa* (Link) Backeb. n. comb. (= *M. nivosa* Link in Pfeiff. Enum. Cact. 11, 1837; *Coryphantha nivosa* Br.; *Neomammillaria nivosa* Br. & R.) in Die Cactaceae 5: 3168—9, 1961.
- Mammillaria fuscata* Pfeiff. var. *russea* (Dietr.) Backeb. n. comb. (= *M. russea* Dietr. in Allg. Gartenz. 19: 347, 1851; *M. odierana rubra* Sencke) in Die Cactaceae 5: 3388, 1961.
- Mammillaria fuscata* Pfeiff. var. *sulphurea* (Sencke) Backeb. n. comb. (= *M. sulphurea* Sencke in Förster Handb. Cacteenk. 200, 1846; *M. rhodantha sulphurea* S. D., etc.) in Die Cactaceae 5: 3388, 1961.
- Mammillaria geminispina* Haw. var. *brevispina* (Hildm.) Backeb. n. comb. (= *M. nivea brevispina* Hildmann in Verz. 4, 1888; *M. bicolor nivea* Sch. non Borg) in Die Cactaceae 5: 3186, 1961.
- Mammillaria geminispina* Haw. var. *nobilis* (Pfeiff.) Backeb. n. comb. (= *M. nobilis* Pfeiff. in Allg. Gartenz. 8: 282, 1840, non Lam.; *M. bicolor nobilis* Först., etc.) in Die Cactaceae 5: 3185, 1961.
- Mammillaria gueldemanniana* Backeb. var. *guirocobensis* (Craig) Backeb. n. comb. (= *guirocobensis* Craig in Mamm. Handb. 220, 1945, etc.) in Die Cactaceae 5: 3336, 1961.
- Mammillaria nejapensis* Craig & Dawson forma *brevispina* (Craig & Dawson) Krainz n. comb. (= *M. nejapensis* var. *brevispina* Craig & Dawson in Allan Hancock Found. Pub. Occ. Rep. 2: 58, 1948) in Die Kakteen C VIIIc (Oct. 1961).
- Mammillaria nejapensis* Craig & Dawson forma *longispina* (Craig & Dawson) Krainz n. comb. (= *M. nejapensis* var. *longispina* Craig & Dawson in Allan Hancock Found. Pub. Occ. Rep. 2: 58, 1948) in Die Kakteen C VIIIc (Oct. 1961).
- Mammillaria neocrucigera* Backeb. n. nom. (= *M. crucigera* Bödeker in Mamm. Vergl. Schluss. 45, 1933, non Mart.; *M. pseudo-crucigera* Böd. non Craig) in Die Cactaceae 5: 3426, 1961.
- Mammillaria nunezii* (Br. & R.) Orc. var. *solisii* (Br. & R.) Backeb. n. comb. (= *Neomammillaria solisii* Br. & R. in the Cact. 4: 142, 1923; *Mammillaria solisii* Böd., etc.) in Die Cactaceae 5: 3374, 1961.
- Mammillaria obconella* Scheidw. var. *galeottii* (Scheidw.) Backeb. n. comb. (= *Mammillaria galeottii* Scheidw. in Hort. Belge 4: 93, 1837; *M. dolichocentra* var. *galeottii* S. D. non Sch.; etc.) in Die Cactaceae 5: 3343, 1961.
- Mammillaria occidentalis* Böd. var. *monocentra* (Craig) Backeb. n. comb. (= *M. mazatlanensis* var. *monocentra* Craig in Mamm. Handb. 242, 1945) in Die Cactaceae 5: 3289, 1961.
- Mammillaria parkinsonii* Ehrenb. var. *dietrichae* (Tieg.) Backeb. n. comb. (= *M. dietrichae* Tiegel in Möllers Deutsch. Gartnerz. 48: 413, 1933) in Die Cactaceae 5: 3217, 1961.
- Mammillaria patonii* Werd. var. *sinalensis* (Craig) Backeb. n. comb. (= *M. occidentalis sinalensis* Craig in Mamm. Handb. 169, 1945) in Die Cactaceae 5: 3291, 1961.
- Mammillaria schwarzii* Buxbaum n. comb. illeg. (= *M. coahuilensis* (Boed.) Moran; non *M. schwarzii* Shurly) in Krainz Die Kakteen C VIIIc (23), Feb. 1961.
- Mammillaria sempervivi* D. C. var. *caput-medusae* (Otto) Backeb. n. comb. (= *Mammillaria caput-medusae* Otto in Pfeiffer Enum. Cact. 22, 1837, etc.) in Die Cactaceae 5: 3160, 1961.
- Mammillaria shurlyi* Buxbaum n. nom. illeg. (= *M. coahuilensis* (Boed.) Moran; non *M. shurliana* Gates) in Krainz Die Kakteen C VIIIc (23), Feb. 1961.
- Mammillaria uncinata* Zucc. var. *bihamata* (Pfeiff.) Backeb. n. comb. (= *M. bihamata* Pfeiff. in Allg. Gartenz. 6: 274, 1838; *M. uncinata biuncinata* Lem., etc.) in Die Cactaceae 5: 3143, 1961.

- Mitrocereus* Backeb. emend. Buxb. in Bot. Stud. 12 - Entw. der Tribus Pachycereae 48—56, July 1961.
- Mitrocereus militaris* (Aud.) Buxb. n. comb. (= *Cereus militaris* Audot in Rev. Hort. 2: 307, 1845; *Pilocereus chrysomallus* Lem.; *Backebergia chrysomalla* Bravo; non *Pachycereus chrysomallus* Br. & R. nec *Mitrocereus chrysomallus* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 54, 101, July 1961.
- Neobuxbaumia* Backeb. emend. Buxb. in Bot. Stud. 12 - Entw. der Tribus Pachycereae 57, July 1961.
- Notocactus scopa* (Spreng.) Berg. forma *candidus* (Pfeiff.) Krainz n. comb. (= *Echinocactus scopa* var. *candidus* Pfeiffer in Enum. Cact. 64, 1837; *Notocactus scopa* var. *candidus* (Preiff.) Berg.) in Die Kakteen C VIa (Oct. 1961).
- Notocactus scopa* (Spreng.) Berg. forma *daenikerianus* Krainz n. comb. (= *N. scopa* var. *daenikerianus* Krainz in Schweiz. Gart. 7: 199, 1945) in Die Kakteen C VIa (Oct. 1961).
- Notocactus scopa* (Spreng.) Berg. forma *daenikerianus* Krainz n. comb. (= *N. scopa* var. *glauzerianus* Krainz in Schweiz. Gart. 7: 201, 1945) in Die Kakteen C VIa (Oct. 1961).
- Pachycereus* (Berg.) Br. & R. emend. Buxb. in Bot. Stud. 12 - Entw. der Tribus Pachycereae 39, July 1961.
- Pachycereus hollianus* (Web.) Buxb. n. comb. (= *Cereus hollianus* Weber in Contr. U. S. Nat. Herb. 3: 411, 1897; *Lemaireocereus hollianus* Br. & R.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 19, 99, July 1961.
- Pediocactus* Br. & R. emend. Benson in Cact. & Succ. J. Amer. 33: 49, March-Apr. 1961.
- Pediocactus sileri* (Eng.) Benson n. comb. (= *Echinocactus sileri* Engelm. in Contr. U. S. Nat. Herb. 3: 376, 1896; *Utahia sileri* Br. & R.) in Cact. & Succ. J. Amer. 33: 53, March-Apr. 1961.
- Pediocactus simpsonii* Br. & R. var. *hermannii* (Marsh.) Wieg. & Backeb. n. comb. (= *Pediocactus hermannii* Marshall in Sag. Bull. 8: 78—80, 1954) in Backeb. Die Cactaceae 5: 2846, 1961.
- Pediocactus simpsonii* (Eng.) Br. & R. var. *minor* (Eng.) Benson n. comb. (= *Echinocactus simpsonii* Engelm. var. *minor* Engelm. in Trans. St. Louis Acad. Sci. 2: 197, 1863) in Cact. & Succ. J. Amer. 33: 51, March-Apr. 1961.
- Pediocactus simpsonii* (Eng.) Br. & R. var. *robustior* (Coul.) Benson n. comb. (= *Echinocactus simpsonii* Engelm. var. *robustior* Coulter in Proc. Amer. Acad. 3: 377, 1896) in Cact. & Succ. J. Amer. 33: 52, March-Apr. 1961.
- Polaskia* Backeb. emend. Buxb. in Bot. Stud. 12 - Entw. der Tribus Pachycereae 74, July 1961.
- Pseudomitrocereus fulviceps* (Web.) Bravo & Buxb. comb. (= *Pilocereus fulviceps* Web. in Schumann Gesamtb. d. Kakt. 176, 1898; *Pachycereus chrysomallus* Br. & R.; *Mitrocereus chrysomallus* Backeb.; *Mitrocereus columna-trajani* Backeb.; non *Pilocereus chrysomallus* Lem.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 99, July 1961.
- Roseocactus kotschoubeyanus* Berg. var. *macdowellii* Backeb. n. comb. (= *R. kotschoubeyanus* subsp. *macdowellii* Beckeb. in Blätter f. Sukk. 1: 8, Jan. 1949; *Ariocarpus kotschoubeyanus* var. *macdowellii* Krainz) in Die Cactaceae 5: 3075, 1961.
- Stenocereus* (Berg.) Ricc. emend. Buxb. in Bot. Stud. 12 - Entw. der Tribus Pachycereae 37, July 1961.
- Stenocereus aragonii* (Web.) Buxb. n. comb. (= *Cereus aragonii* Web. in Bull. Mus. Hist. Nat. Paris 8: 456, 1902; *Lemaireocereus aragonii* Br. & R.; *Marshallocereus aragonii* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 99, July 1961.
- Stenocereus beneckeii* (Ehr.) Buxb. n. comb. (= *Cereus beneckeii* Ehrenberg in Bot. Z. 2: 835, 1844; *Lemaireocereus beneckeii* Br. & R.; *Hertrichocereus beneckeii* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 99, July 1961.
- Stenocereus deficiens* (Otto & Dietr.) Buxb. n. comb. (= *Cereus deficiens* Otto & Dietrich in Allg. Gart. 6: 28, 1838; *Lemaireocereus deficiens* Br. & R.; *Ritterocereus deficiens* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.

- Stenocereus dumortieri* (Scheidw.) Buxb. n. comb. (= *Cereus dumortieri* Scheidweiler in Hort. Belge 4: 220, 1837; *Lemaireocereus dumortieri* Br. & R.; *Isolatocereus dumortieri* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus griseus* (Haw.) Buxb. n. comb. (= *Cereus griseus* Haw. in Syn. Pl. Succ. 182, 1812; *Lemaireocereus griseus* Br. & R.; *Ritterocereus griseus* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus hystrix* (Haw.) Buxb. n. comb. (= *Cactus hystrix* Haw. in Suppl. Pl. Succ. 73, 1819; *Cereus hystrix* Salm-Dyck; *Lemaireocereus hystrix* Br. & R.; *Ritterocereus hystrix* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus laevigatus* (S. D.) Buxb. n. comb. (= *Cereus laevigatus* Salm-Dyck in Cact. Hort. Dyck. Cult. 1849: 204, 1850; *Lemaireocereus eichlamii* Br. & R.; *Ritterocereus eichlamii* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus longispinus* (Br. & R.) Buxb. n. comb. (= *Lemaireocereus longispinus* Br. & R. in Cactaceae 2: 89, 1920) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus marginatus* (D. C.) Buxb. n. comb. (= *Cereus marginatus* De Candolle in Mem. Mus. Hist. Nat. Paris 17: 116, 1828; *Cereus* or *Stenocereus marginatus* Berg.; *Pachycereus marginatus* Br. & R.; *Lemaireocereus marginatus* Berg.; *Marginatocereus marginatus* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus martinezii* (Ort.) Buxb. n. comb. (= *Lemaireocereus martinezii* Ortega in Apunt. para la Fl. indig. de Sinaloa 1929) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 100, July 1961.
- Stenocereus montanus* (Br. & R.) Buxb. n. comb. (= *Lemaireocereus montanus* Br. & R. in Cactaceae 2: 97, 1920; *Ritterocereus montanus* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Stenocereus pruinosus* (Otto) Buxb. n. comb. (= *Cereus pruinosus* Otto in Förster Handb. Cact. 398, 1846; *Lemaireocereus pruinosus* Br. & R.; *Ritterocereus pruinosus* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Stenocereus queretaroensis* (Web.) Buxb. n. comb. (= *Cereus queretaroensis* Weber in Monatsschr. f. Kakt. 1: 27, 1891; *Lemaireocereus queretaroensis* Saff.; *Ritterocereus queretaroensis* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Stenocereus quevedonis* (Ort.) Buxb. n. comb. = *Lemaireocereus quevedonis* Ortega in Mex. Forest 6: 1, 1928) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Stenocereus standleyi* (Ort.) Buxb. n. comb. (= *Lemaireocereus standleyi* Ortega in Rev. Mex. Biol. 7: 121, 1927; *Ritterocereus standleyi* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Stenocereus thurberi* (Eng.) Buxb. n. comb. (= *Cereus thurberi* Engelman in Amer. J. Sci. 2: 234, 1854; *Lemaireocereus thurberi* Br. & R.; *Marshallocereus thurberi* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Stenocereus weberi* (Coul.) Buxb. n. comb. (= *Cereus weberi* Coulter in Contr. U. S. Nat. Herb. 3: 410, 1896; *Lemaireocereus weberi* Br. & R.; *Ritterocereus weberi* Backeb.) in Bot. Stud. 12 - Entw. der Tribus Pachycereae 101, July 1961.
- Sulcorebutia arenacea* (Card.) Ritter n. comb. (= *Rebutia arenacea* Cardenas in Cact. & Succ. J. Amer. 23: 94, 1951) in Nat. Cact. & Succ. J. 16: 81, Dec. 1961.
- Sulcorebutia glomeriseta* (Card.) Ritter n. comb. (= *Rebutia glomeriseta* Cardenas in Cact. & Succ. J. Amer. 23: 95, 1951) in Nat. Cact. & Succ. J. 16: 81, Dec. 1961.
- Sulcorebutia kruegeri* (Card.) Ritter n. comb. (= *Aylostera kruegeri* Cardenas in Cactus 57: 260, 1957; *Rebutia kruegeri* Backeb.) in Nat. Cact. & Succ. J. 16: 81, Dec. 1961.
- Sulcorebutia tiraquensis* (Card.) Ritter n. comb. (= *Rebutia tiraquensis* Cardenas in Cactus 57: 257, 1957) in Nat. Cact. & Succ. J. 16: 81, Dec. 1961.
- Sulcorebutia totorensis* (Card.) Ritter n. comb. (= *Rebutia totorensis* Cardenas in Cactus 57: 259, 1957) in Nat. Cact. & Succ. J. 16: 81, Dec. 1961.

*Thelocactus bicolor* Br. & R. var. *pottsii* (S.D.) Backeb. n. comb. (= *Echinocactus bicolor* var. *pottsii* S.D. in Cact. Hort. Dyck. 1849: 173, 1850; *Thelocactus pottsii* Bravo) in Die Cactaceae 5: 2809, 1961.

*Thelocactus bicolor* (Gal.) Br. & R. var. *schottii* (Eng.) Krainz n. comb. (= *Echinocactus bicolor* var. *schottii* Engelmann in Proc. Amer. Acad. 3: 277, 1856; *E. schottii* Small) in Die Kakteen C VIIIb (Oct. 1961).

*Thelocactus bicolor* (Gal.) Br. & R. var. *wagnerianus* (Berg.) Krainz n. comb. (= *Echinocactus wagnerianus* Berg. in Kakteen: 256-7, 1929; *Thelocactus wagnerianus* Backeb.) in Die Kakteen C VIIIb (Oct. 1961).

*Thelocactus hexaedrophorus* Br. & R. var. *fossulatus* (Scheidw.) Backeb. n. comb. (= *Echinocactus fossulatus* Scheidw. in Allg. Gartenz. 9: 49, 1841; *E. hexaedrophorus subcostatus* S. D.; *E. hexaedrophorus fossulatus* S. D.; *Thelocactus fossulatus* Br. & R.) in Die Cactaceae 5: 2800, 1961.

*Thelocactus leucacanthus* Br. & R. var. *porrectus* (Lem.) Backeb. n. comb. (= *Echinocactus porrectus* Lem. in Cact. Aliq. Nov. 17, 1838; *Thelocactus porrectus* Knuth) in Die Cactaceae 5: 2818, 1961.

*Thelocactus leucacanthus* Br. & R. var. *sanchezmejoradai* (Meyr.) Backeb. n. comb. (= *T. sanchezmejoradai* Meyran in Cact. y Succ. Mex. 3: 77-78, 1958) in Die Cactaceae 5: 2817, 1961.

*Turbincarpus krainzianus* (Frank) Backeb. n. comb. (= *Toumeyia krainziana* Frank in Kakt. u. a. Sukk. 11: 168-170, 1960) in Die Cactaceae 5: 2890, 1961.

### Compositae

*Othonna sparsiflora* (Moore) Nord. n. comb. = *Euryops sparsiflorus* Moore in Bull. Herb. Boiss. Ser. 2 4: 1023, 1904) in Mitt. Bot. Staatss. München 4: 125, Dec. 1961.

### Crassulaceae

*Jovibarba heuffelii* (Schott) Löve n. comb. (= *Sempervivum heuffelii* Schott in Oesterr. Bot. Woch. 2: 18, 1852) in Bot. Not. 114: 39, 1961.

*Jovibarba hirta* (L.) Opiz ssp. *adenophora* (Borb.) Löve n. comb. (= *Sempervivum adenophorum* Borbas in Geogr. Enum. Pl. Com. Castr. 1887-8: 238) in Bot. Not. 114: 53, 1961.

*Jovibarba hirta* (L.) Opiz ssp. *tatrensis* (Dom.) Löve n. comb. (= *Sempervivum tatrense* Domin in Bull. Int. Acad. Sci. Boheme 1932: 7) in Bot. Not. 114: 53, 1961.

*Rhodiola rosea* L. ssp. *arctica* (Bor.) Löve n. comb. (= *Rhodiola arctica* Boriss. in Fl. SSSR 9: 471, 1939) in Bot. Not. 114: 52, 1961.

*Sedum maximum* (L.) Krocker ssp. *fabaria* (Koch) Löve n. comb. (= *Sedum fabaria* Koch in Syn. Fl. Germ. 1837: 258) in Bot. Not. 114: 53, 1961.

### Euphorbiaceae

*Monadenium simplex* Pax var. *pubibundum* Bally n. comb. (= *M. pubibundum* Bally in Candollea 17: 31, 1959) in The Genus Monadenium 40, 1961.

### Mesembryanthemaceae

*Astridia* Dint. & Schw. emend. L. Bol. in J. S. Afr. Bot. 27: 171-6, July 1961.

*Astridia dinteri* L. Bol. n. nom. superfl. (= *A. velutina* Dinter & Schwantes in Zeitschr. f. Sukk. 3: 16, 1927; *Mesembryanthemum velutinum* Dinter non L. Bol.) in J. S. Afr. Bot. 27: 170, July 1961.

*Astridia longifolia* L. Bol. n. comb. (= *Mesembryanthemum longifolium* L. Bol. in J. Bot. 66: 196, 1928; *Ruschia longifolia* L. Bol. 1950 non 1935; *R. jacobsoniana* L. Bol.) in J. S. Afr. Bot. 27: 170, July 1961.

*Astridia rubra* L. Bol. n. comb. (= *Mesembryanthemum rubrum* L. Bol. in Mesembr. 2: 275, 1931; *Ruschia rubra* L. Bol.) in J. S. Afr. Bot. 27: 170, July 1961.

*Lithops bella* N. E. Br. var. *eberlanzii* (Dint. & Schw.) De Boer & Boom n. comb. (= *Mesembryanthemum eberlanzii* Dint. & Schw. in Zeits. f. Sukk. 2: 25, 1925; *Lithops eberlanzii* N. E. Br.) in Succulenta 1961: 38, April 1961.

*Lithops bella* N. E. Br. var. *lericheana* (Dint. & Schw.) De Boer & Boom n. comb. (= *Mesembryanthemum lericheanum* Dint. & Schw. in Zeits. f. Sukk. 2: 25, 1925; *Lithops lericheana* Jacobs.) in Succulenta 1961: 39, April 1961.

*Lithops herrei* L. Bol. var. *geyeri* (Nel) De Boer & Boom n. comb. (= *L. geyeri* Nel in Ann. Univ. Stellenbosch 21: 11, 1943) in Succulenta 1961: 42, April 1961.

- Lithops karasmontana* N. E. Br. var. *mickbergensis* (Dint.) De Boer & Boom n. comb. (= *L. mickbergensis* Dint. in Graessner S. W. Afr. Lithopsarten 16, 1928; *L. lateritia* Dint.; *L. jacobseniana* Schw.) in Succulenta 1961: 44, April 1961.
- Lithops karasmontana* N. E. Br. var. *opalina* (Dint.) De Boer & Boom n. comb. (= *L. opalina* Dint. in Möller's Deutsche Gartenz. 42: 139, 1927; *L. karasmontana* subsp. *opalina* Schw.) in Succulenta 1961: 52, May 1961.
- Lithops karasmontana* N. E. Br. var. *summitata* (Dint.) De Boer & Boom n. comb. (= *L. summitata* Dint. in Möller's Deutsche Gartenz. 41: 191, 1927, non *Mesembryanthemum summitatum* Haage & Schm.) in Succulenta 1961: 52, May 1961.
- Lithops leslei* N. E. Br. (as "leslei") var. *venteri* (Nel) De Boer & Boom n. comb. (= *L. venteri* Nel in Succulenta 1940: 11, Jan. 1940) in l.c. 1961: 53, May 1961.
- Lithops localis* Schw. var. *peersii* (L. Bol.) De Boer & Boom n. comb. (= *L. peersii* L. Bol. in Notes on Mesemb. 2: 84, 1929) in Succulenta 1961: 55, May 1961.
- Lithops localis* Schw. var. *terricolor* (N. E. Br.) De Boer & Boom n. comb. (= *L. terricolor* N. E. Br. in Gard. Chron. 1922 (1): 65) in Succulenta 1961: 55, May 1961.
- Lithops pseudotruncatella* N. E. Br. var. *alpina* (Dint.) Jacobs. n. comb. subnud. (= *L. alpina* Dint.) in Kakt. u. a. Sukk. 12: 167, Nov. 1961.
- Lithops pseudotruncatella* N. E. Br. var. *dendritica* (Nel) De Boer & Boom n. comb. (= *L. dendritica* Nel in Lithops 68, 1946; *L. farinosa* Dint.) in Succulenta 1961: 67, June 1961.
- Lithops pseudotruncatella* N. E. Br. var. *edithae* (N. E. Br.) De Boer & Boom n. comb. (= *L. edithae* N. E. Br. in Cactus J. Gt. Brit. 2: 70, 1934) in Succulenta 1961: 66, June 1961.
- Lithops pseudotruncatella* N. E. Br. var. *elisabethae* (Dint.) De Boer & Boom n. comb. (= *L. elisabethae* Dint. in Kakteenk. 1933: 50) in Succulenta 1961: 66, June 1961.
- Lithops ruschiorum* N. E. Br. var. *nelii* (Schw.) De Boer & Boom n. comb. (= *L. nelii* Schw. in Beitr. z. Sukkulenteenk. 1939: 43; *L. ruschiorum* subsp. *nelii* Schw.; etc.) in Succulenta 1961: 74, July 1961.
- Lithops schwantesii* Dint. var. *kunjasensis* (Dint.) De Boer & Boom n. comb. (= *L. kunjasensis* Dint. in Graessner S. W. Afr. Lithopsarten 14, 1928) in Succulenta 1961: 75, July 1961.
- Lithops schwantesii* Dint. var. *rugosa* (Dint.) De Boer & Boom n. comb. (= *L. rugosa* Dint. in Graessner S. W. Afr. Lithopsarten 15, 1928) in Succulenta 1961: 75, July 1961.
- Lithops schwantesii* Dint. var. *triebneri* (L. Bol.) De Boer & Boom n. comb. (= *L. triebneri* L. Bol. in Notes on Mesemb. 2: 391, 1933; *L. gulielmi* L. Bol. non Nel) in Succulenta 1961: 76, July 1961.
- Lithops schwantesii* Dint. var. *urikosensis* (Dint.) De Boer & Boom n. comb. (= *L. urikosensis* Dint. in Graessner S. W. Afr. Lithopsarten 15, 1928; *L. gulielmi* Nel non L. Bol.) in Succulenta 1961: 76, July 1961.
- Lithops verruculosa* Nel var. *inae* (Nel) De Boer & Boom n. comb. (= *L. inae* Nel in Ann. Univ. Stellenbosch 21: 1, 1943) in Succulenta 1961: 77, July 1961.
- Wooleya farinosa* L. Bol. n. comb. (= *Namaquanthus farinosus* L. Bol. in Mesembr. 3: 334, 1958) in J. S. Afr. Bot. 27: 48, Jan. 1961.





