



**Repertorium
Plantarum
Succulentarum
XXIII - 1972**

Repertorium Plantarum Succulentarum

XXIII

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Repertorium Plantarum Succulentarum XXIII-1972

An annual index of all new names of succulent plants.

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EDITORIAL

For the past 17 years the I.O.S. Repertorium has been published by the International Association for Plant Taxonomy as part of their series "Regnum Vegetabile". The I.O.S. will be forever grateful to Prof. J. Lanjouw and Dr. F. A. Stafleu for agreeing to do this, thereby raising what began as essentially a local and esoteric compilation to maximum prominence in the world of taxonomy. Regrettably, for economic reasons, this alliance is no longer possible. However, the I.O.S. has been offered an alternative that is both opportune and apt. Abbey Garden has a long association with publications of a high standard dealing with succulent plants, and we feel privileged that Mr. Charles Glass and Mr. Robert Foster have offered to add the Repertorium to the unique range of literature that they already produce.

The present issue was set up by the I.A.P.T. prior to the change-over and follows the earlier format: if readers would like to send in suggested improvements, these will all be considered when future issues are being planned.

Further thanks are due to our President Mr. L. Vatrican, for providing the French translation, and to Mrs. Lois Glass for the German.

* * *

Le REPERTORIUM de l'I.O.S. était publié depuis 17 ans par l'Association Internationale de Taxinomie Végétale, dans leur série "Regnum Vegetabile". L'I.O.S. restera toujours reconnaissante au Professor J. LANJOUW et au Docteur F. A. STAFLEU pour avoir accepté cette tâche apportant ainsi un maximum de notoriété à un ouvrage essentiellement local et ésoérique. Malheureusement, et pour des raisons économiques, cette collaboration n'est plus possible. Mais une autre solution, propice et intéressante a été offerte à l'I.O.S. ABBEY GARDEN est associée depuis longtemps à des publications de haute valeur sur les plantes succulentes et nous nous considérons privilégiés par le fait que Messieurs Charles GLASS et Robert FOSTER aient offert d'ajouter le REPERTORIUM à la collection unique des volumes qu'ils publient déjà.

Le présent numéro a été réalisé par l'I.A.P.T. avant le changement, et correspond aux numéros précédents; si les lecteurs souhaitent nous adresser des suggestions d'amélioration, il en sera tenu compte lors de la réalisation des prochaines publications.

Nous tenons à remercier également notre Président, Monsieur L. VATRICAN, pour la traduction française et Madame Lois GLASS pour l'Allemande.

* * *

Seit 17 Jahren ist das Repertorium vom Internationalen Verein für Pflanzen-Taxonomie herausgegeben worden, und zwar als Bestandteil der Serie: "Regnum Vegetabile". Die I.O.S. liegt ewig in der Schuld der beiden Herren Prof. J. Lanjouw und Dr. F. A. Stafleu, dass sie diesem Verfahren zugestimmt haben, wodurch eine einst wesentlich beschränkte und eng fachgebundene Zusammentragung neuerdings einem maximalen Leserkreis auf dem Gebiet Taxonomie vorgelegt wird. Leider ist diese Verbindung jetzt aus wirtschaftlichen Gründen ausgeschlossen. Der I.O.S. wird jedoch eine weitere passende und günstige Möglichkeit geboten, Abbey Garden hat sich schon lange als Verlag bewährt, der sehr hochwertige Fachwerke über sukkulenten Pflanzen herausgibt, so sehen wir es als Privilegium an, dass die Herren Charles Glass and Robert Foster bereit sind, dem bestehenden umfangreichen und einmaligen Programm auch das Repertorium hinzuzufügen.

Die vorliegende Ausgabe wurde schon in Rahmen des alten Uebereinkommens vom I.A.P.T. aufgesetzt und entspricht daher dem bekannten Format; wir begrüßen jeden Vorschlag von seiten unserer Leser, der zu einer Verbesserung beitragen könnte, und sind gerne bereit, denselben beim Zusammenfassen aller künftiger Hefte zu berücksichtigen.

Zum Schluss sprechen wir unserem Präsidenten, dem Herrn L. Vatrican, einen aufrichtigen Dank dafür aus, dass er die Uebersetzung in die französische Sprache übernehmen wollte, sowie Frau Lois Glass, die eine Uebersetzung ins Deutsche lieferte.

NOMINA NOVA

Agavaceae

- Agave aktites* Gentry, The Agave Family in Sonora: 148-150, March 1972.
- Agave americana* L. var. *expansa* (Jac.) Gentry (= *A. expansa* Jacobi in Nachtr. I in Abh. Schles. Ges. Vat. Cult., Abth. Naturwiss. 1868: 151), The Agave Family in Sonora: 80, March 1972.
- Agave felgeri* Gentry, The Agave Family in Sonora: 60-62, March 1972.
- Agave fortiflora* Gentry, The Agave Family in Sonora: 122-126, March 1972.
- Agave jaibolii* Gentry (as "jaiboli"), The Agave Family in Sonora: 89-94, March 1972.
- Agave multifilifera* Gentry, The Agave Family in Sonora: 46-50, March 1972.
- Agave ocahui* Gentry, The Agave Family in Sonora: 72-76, March 1972.
- Agave parviflora* Torr. ssp. *flexiflora* Gentry, The Agave Family in Sonora: 56-57, March 1972.
- Agave pelona* Gentry, The Agave Family in Sonora: 76-80, March 1972.
- Agave polianthiflora* Gentry, The Agave Family in Sonora: 51-54, March 1972.
- Agave shrevei* Gentry ssp. *matapensis* Gentry, The Agave Family in Sonora: 115-117, March 1972.
- Agave zebra* Gentry, The Agave Family in Sonora: 126-130, March 1972.

Asclepiadaceae

- Brachystelma cathcartense* Dyer, Bothalia 10: 431, July 1971.
- * x *Carapelia* Rowl. n. gen. hybr. (= *Caralluma* R. Br. x *Stapelia* L.; Typ. x *C. tarantuloides* [Dyer] Rowl.)
- * x *Carapelia tarantuloides* (Dyer) Rowl. n. comb. (= *Caralluma caudata* N. E. Br. x *Stapelia gigantea* N. E. Br.; *Stapelia tarantuloides* Dyer in Fl. Pl. Afr. XVIII t. 717, 1938).
- Ceropegia bonafouxii* K. Schum. var. *lineariifolia* Stopp. Bot. Jahrb. 90: 474, Mar. 1971.
- Ceropegia mendesii* Stopp. Bot. Jahrb. 90: 472, Mar. 1971.
- Ceropegia sahyadrica* Ans. & Kulk, Indian Forester 97: 688-690, 1971.
- Duvalia eilensis* Lavr., Cact. Succ. J. Amer. 44: 260-261, Nov.-Dec. 1972.
- Echidnopsis ericiflora* Lavranos, Nat. Cact. Succ. J. 27: 70-71, Sept. 1972.
- Echidnopsis leachii* Lavranos, Nat. Cact. Succ. J. 27: 69-70, Sept. 1972.
- Huernia volkartii* Wederm. & Peitsch. var. *repens* Lavr. (= *H. repens* Lavranos in J. S. Afr. Bot. 27: 11, 1961), l.c. 38: 43, Jan. 1972.
- Sarcostemma socotranum* Lavranos, Nat. Cact. Succ. J. 27: 37-38, June 1972.

Cactaceae

- Acanthocereus chiapensis* Bravo, Cact. Suc. Mex. 17: 117-118, Oct.-Dec. 1972.
- 'Apricot' Kilian (*Echinopsis* x ?), Stachelpost 8: 125, Sept. 1972.
- 'Apricot Delight' Braun (*Echinopsis* x ?), Stachelpost 8: 124-125, Sept. 1972.
- Arrojadoa aureispina* Buin. & Bred., Kakt. and. Sukk. 23: 95-98, Apr. 1972.
- Arrojadoa canudosensis* Buin. & Bred., Cact. Succ. J. Amer. 44: 111-113, May-June 1972.
- 'Aurora' Braun (*Echinopsis* x ?), Stachelpost 8: 124, Sept. 1972.
- Coleocephalocereus luetzelburgii* (Vaup.) Buxb. (= *Cereus luetzelburgii* Vaup. in Zeitschr. f. Sukkulente. 1923-1924: 57; *Pilocereus luetzelburgii* Werd.; *Cephalocereus luetzelburgii* Borg; *Pilosocereus luetzelburgii* Byl. & Rowl.; *Pseudopilocereus luetzelburgii* Buxb.), Krainz Die Kakteen 48-49, C IVb, Jan. 1972.
- Corynopuntia* (Knuth) Bravo n. subg. (Gen. *Opuntia*; Typ. *Opuntia clavata* Engelm.; = *Corynopuntia* Knuth in Back. & Knuth Kaktus ABC: 410, 1935), Cact. Suc. Mex. 17: 118, Oct.-Dec. 1972.
- Coryphantha albicolumnaria* (Hest.) Zimm. (= *Escobaria albicolumnaria* Hester in Des. Pl. Life 13: 129-132, 1941), Cact. Succ. J. Amer. 44: 157-158, July-Aug. 1972.
- Coryphantha orcuttii* (Boed.) Zimm. (= *Neolloydia orcuttii* Rose ex Orcutt in Cactography 5, 1926, nom. nud.; *Escobaria orcuttii* Boed. in Ein Mammillarien-Vergleichs-Schlüssel 17, 1933; *Coryphantha strobiliformis* Orc. var. *orcuttii* Bens.), Cact. Succ. J. Amer. 44: 156, July-Aug. 1972.
- Coryphantha organensis* Zimm., Cact. Succ. J. Amer. 44: 114-117, May-June 1972.
- **Echinocereus chloranthus* Engelm. var. *russanthus* (Weniger) Lamb n. comb. (= *E. russanthus* Weniger in Cact. Succ. J. Amer. 41: 41-42, Jan.-Feb. 1969) Lamb "Monthly Notes on the Exotic Collection" Aug. 1972: 62, as n. comb. subnud.
- **Echinofossulocactus acroacanthus* (Stieber) Rowl. n. comb. = *Echinocactus acroacanthus* Stieber in Bot. Zeit. 5: 491, 1847; *Stenocactus acroacanthus* Marsh. & Bock in Cactaceae 146, 1941.
- Echinofossulocactus tegelbergii* Schütz (Sine typ.), Kaktusy 72; 8: 93-94, 1972.
- Echinopsis kladiwaiana* Rausch, Kakt. and. Sukk. 23: 264-265, Oct. 1972.
- Grusonia* (Reich.) Bravo n. subg. (Gen. *Opuntia*; Typ. *Cereus bradtianus* Coult.; = *Grusonia* Reich. in K. Sch. in Monatss. Kakteenk. 6: 177, 1896), Cact. Suc. Mex. 17: 118, Oct.-Dec. 1972.
- Gymnocactus aguirreanus* Glass & Fost., Cact. Succ. J. Amer. 44: 80-81, Mar.-Apr. 1972.
- Gymnocalycium eurypleurum* Ritter ex Plesnik, Kaktusy 72, 8: 70-72, 1972.
- Gymnocalycium paraguayense* (Mundt) Schütz, (= *Echinocactus denudatus* Link & Otto var. *paraguayensis* Mundt in Monatss. f. Kakteenk. 7: 169, 1897) Moser in Friciana VIII No. 47: 3-15, Nov. 1972.
- Gymnocalycium ritterianum* Rausch, Kakt. and. Sukk. 23: 180-181, July 1972.
- Gymnocalycium uebelmannianum* Rausch, Succulenta 51: 61-64, Apr. 1972.
- Lagenopsis* Buxb. n. subg. (Gen. *Coleocephalocereus*; Typ. *C. luetzelburgii* Buxb.), Krainz Die Kakteen 48-49, C IVb, Jan. 1972.
- Lemaireocereus* (Br. & R.) Bravo n. subg. (Gen. *Pachycereus*; Typ. *Cereus hollianus* Web.; = *Lemaireocereus* Br. & R. in Contr. U. S. Nat. Herb. 12: 424, 1909 sensu typus solum; Subg. *Eulemaireocereus* Back.; *Lemaireocereus* Br. & R. emend. Back. (Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972).
- Leptocladodia* (Buxb.) Bravo n. subg. (Gen. *Mammillaria*; Typ. *M. elongata* D.C.; = *Leptocladodia* Buxb. in Osterr. Bot. Zeitschr. 98: 82, 1951), Cact. Suc. Mex. 17: 120, Oct.-Dec. 1972.
- Lobivia amblayensis* Rausch, Kakt. and. Sukk. 23: 67-68, Mar. 1972.
- Lobivia amblayensis* Rausch var. *albispina* Rausch, Kakt. and. Sukk. 23: 68, Mar. 1972.
- Lobivia cardenasiana* Rausch, Kakt. and. Sukk. 23: 32-33, Feb. 1972.
- Lobivia chrysantha* Back. var. *hypocyрта* Rausch, Kakt. and. Sukk. 23: 292-293, Nov. 1972.
- Lobivia cinnabarina* Br. & R. var. *grandiflora* Rausch, Kakt. and. Sukk. 23: 291-292, Nov. 1972.
- Lobivia cornuta* Rausch, Succulenta 51: 41-43, Mar. 1972.
- Lobivia hualfinensis* Rausch var. *fechseri* Rausch, Succulenta 51: 123-124, July 1972.

- Lobivia intermedia* Rausch, Kakt. and. Sukk. 23: 263-264, Oct. 1972.
- Lobivia leptacantha* Rausch, Kakt. and. Sukk. 23: 207-208, Aug. 1972.
- Lobivia mizquensis* Rausch, Kakt. and. Sukk. 23: 151-152, June 1972.
- Lobivia simplex* Rausch, Succulenta 51: 134-135, July 1972.
- Lobivia tiegeliana* Wessn. var. *ruberrima* Rausch, Succulenta 51: 101-102, June 1972.
- Mammillaria miegiana* Earle, Sag. Bull. 26: 77-79, 84, Aug.-Sept. 1972.
- Marenopuntia* (Back.) Bravo n. ser. (Gen. *Opuntia*; Typ. *Opuntia marenae* Pars.; = *Marenopuntia* Back. in Des. Pl. Life 22: 27, 1950), Cact. Suc. Mex. 17: 118, Oct.-Dec. 1972.
- Melocactus brederoianus* Buin., Succulenta 51: 28-33, Feb. 1972.
- Melocactus concinnus* Buin. & Bred., Kakt. and. Sukk. 23: 5-7, Jan. 1972.
- Melocactus cremnophilus* Buin. & Bred., Cact. Succ. J. Amer. 44: 3-5, Jan.-Feb. 1972.
- Melocactus curvicornis* Buin. & Bred., Kakt. and. Sukk. 23: 33-35, Feb. 1972.
- Melocactus glaucescens* Buin. & Bred., Cact. Succ. J. Amer. 44: 159-161, July-Aug. 1972.
- Neobuxbaumia multiareolata* (Daws.) Bravo, Sch. & S.-Mej. (= *Cephalocereus mezcalaensis* Bravo var. *multiareolatus* Daws. in Allan Hanc. Found. Occ. Pap. 1: 9, 1948; *Neobuxbaumia mezcalaensis* Back. var. *multiareolata* Daws.), Cact. Suc. Mex. 17: 120, Oct.-Dec. 1972.
- Neolloydia conoidea* Br. & R. var. *ceratites* (Quehl) Klad. & Fittk. (= *Mammillaria ceratites* Quehl in Monats. f. Kakteenk. 19: 155-156, 1909; *Coryphantha ceratites* Berg.; *Neolloydia ceratites* Br. & R.), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972.
- Neolloydia conoidea* Br. & R. var. *grandiflora* (Otto) Klad. & Fittk. (= *Mammillaria grandiflora* Otto in Pfeiff. Enum. Cact. 33, 1837; *Cactus grandiflorus* Kuntze; *Coryphantha grandiflora* Berg.; *Neolloydia grandiflora* Knuth), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972 & Nov. 1956.
- Neolloydia conoidea* Br. & R. var. *matehualensis* (Back.) Klad. & Fittk. (= *N. matehualensis* Back. in The Spine I. iv: 108, 1948), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972 & March 1969.
- Neolloydia conoidea* Br. & R. var. *texensis* (Br. & R.) Klad. & Fittk. (= *N. texensis* Br. & R. in Cactaceae 4: 18, 1923), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972.
- Neolloydia smithii* (Muehl.) Klad. & Fittk. var. *beguinii* (Web.) Klad. & Fittk. (= *Echinocactus beguinii* Web. in K. Sch. Gesamtbeschr. d. Kakt. 442, 1898; *Neolloydia beguinii* Br. & R.; *Gymnocactus beguinii* Back.), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972.
- Neolloydia smithii* (Muehl.) Klad. & Fittk. f. *senilis* Klad. & Fittk. n. nud. (= *N. beguinii* Br. & R. var. *senilis* Borg in Cacti Edn. I: 286, 1937 (sine diagn. lat.), etc.), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972.
- **Neolloydia smithii* (Muehl.) Klad. & Fittk. 'Senilis' n.c.v. = *N. beguinii* Br. & R. var. *senilis* Borg in Cacti Edn. I: 286, 1937 (sine diagn. lat.); *Gymnocactus beguinii* Back. var. *senilis* Back.; *Neolloydia smithii* Klad. & Fittk. f. *senilis* Klad. & Fittk., omn. n. nud.
- Neolloydia smithii* (Muehl.) Klad. & Fittk. var. *smithii* (= *Echinocactus smithii* Muehlenpfordt in Allg. Gartenz. 14: 370-371, 1846; *Thelocactus smithii* Borg; *Gymnocactus beguinii* Back. var. *smithii* Back.), Krainz Die Kakteen 48-49, C VIIIb, Jan. 1972.
- Nopalxochia macdougallii* (Alex.) Bravo n. comb. superfl. (= *Nopalxochia macdougallii* Marshall in Cactus No. 4: 6, 1946), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Nyctocereus serpentinus* Br. & R. var. *pietatis* Bravo, Cact. Suc. Mex. 17: 116-117, Oct.-Dec. 1972.
- Opuntia bensonii* Sanch.-Mej., Cact. Suc. Mex. 17: 47-50, 62-63, Apr.-June 1972.
- Opuntia excelsa* Sanch.-Mej., Cact. Suc. Mex. 17: 67-73, July-Sept. 1972.
- Opuntia imbricata* D.C. var. *cardenche* (Griff.) Bravo (= *O. cardenche* Griff. in Rep. Missouri Bot. Gard. 19: 259, 1908), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia imbricata* D.C. var. *lloydii* (Rose) Bravo (= *O. lloydii* Rose in Contr. U.S. Nat. Herb. 12: 292, 1909), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia jaliscana* Bravo, Cact. Suc. Mex. 17: 115-116, Oct.-Dec. 1972.
- Opuntia leptocaulis* D.C. var. *brittonii* ("brittoni") (Ort.) Bravo (= *O. brittoni* Ortega in Mex. Forest 4: 68, 1928), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia nejapensis* Bravo, Cact. Suc. Mex. 17: 115-116, Oct.-Dec. 1972.
- Opuntia robusta* Wendl. var. *guerrana* (Griff.) Sanch.-Mej. (= *O. guerrana* Griff. in Rep. Missouri Bot. Gard. 19: 266, 1908), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia robusta* Wendl. var. *larreyi* (Web.) Bravo (= *Opuntia larreyi* Web. in Coulter in Contr. U.S. Nat. Herb. 3: 423, 1897), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia santamaria* (Baxt.) Bravo (= *Gru-sonia santamaria* Baxter in Cact. Succ. J. Amer. 6: 160, 1934), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- **Opuntia subulata* (Mühl.) Eng. var. *exaltata* (Berg.) Rowl. n. comb. (= *O. exaltata* Berger in Hort. Mortolensis 410, 912; *O. cumingii* hort; *Cylindropuntia exaltata* Back.; *Austrocylindropuntia exaltata* Back.)

- Opuntia tehuantepecana* Bravo (= *O. dillenii* Ker.-Gawl. var. *tehuantepecana* Bravo in Cact. Suc. Mex. 9: 55, 1969) l.c. 17: 119, Oct.-Dec. 1972.
- Opuntia thurberi* Eng. var. *alamosensis* (Br. & R.) Bravo (= *O. alamosensis* Br. & R. in Standley in Contr. U.S. Nat. Herb. 23, 5: 1676, 1926), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia velutina* Web. var. *affinis* (Griff.) Bravo (= *O. affinis* Griff. in Proc. Biol. Soc. Washington 27: 27, 1914), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Opuntia velutina* Web. var. *macdougaliana* (Rose) Bravo (= *O. macdougaliana* Rose in Smiths. Misc. Coll. 50: 516, 1908), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Parodia andreae* Brandt, Stachelpost 8: 145-147, Nov. 1972.
- Parodia challararcana* Brandt, Stachelpost 8: 1-4, Jan. 1972.
- Parodia ignorata* Brandt, Stachelpost 8: 86-87, July 1972.
- Parodia koehresiana* Brandt, Stachelpost 8: 113-115, Sept. 1972.
- Parodia krasuckana* Brandt, Kakt. and. Sukk. 23: 179-180, July 1972.
- Pediocactus glaucus* Arp n. nom. (= *Echinocactus glaucus* K. Sch. in Gesamtb. d. Kakt. 438, 1898, non Karw.), Cact. Succ. J. Amer. 44: 221, Sept.-Oct. 1972.
- Pediocactus mesae-verdae* (Boiss.) Arp (= *Coloradoa mesae-verdae* Boissevain in Boissevain & Davidson Colorado Cacti: 55, 1940), Cact. Succ. J. Amer. 44: 222, Sept.-Oct. 1972.
- Pediocactus polyancistrus* (Eng. & Big.) Arp (= *Echinocactus polyancistrus* Eng. & Big. in Proc. Amer. Acad. 3: 272, 1856), Cact. Succ. J. Amer. 44: 222, Sept.-Oct. 1972.
- Pediocactus robustior* (Coulter.) Arp (= *Echinocactus simpsonii* Eng. var. *robustior* Coulter in Contr. U.S. Nat. Herb. 3: 377, 1896), Cact. Succ. J. Amer. 44: 222, Sept.-Oct. 1972.
- Pediocactus whipplei* (Eng. & Big.) Arp (= *Echinocactus whipplei* Eng. & Big. in Proc. Amer. Acad. 3: 271, 1856), Cact. Succ. J. Amer. 44: 222, Sept.-Oct. 1972.
- Pediocactus wrightiae* (Bens.) Arp (= *Sclerocactus wrightiae* Benson in Cact. Succ. J. Amer. 38: 55, 1966), l.c. 44: 222, Sept.-Oct. 1972.
- Praearthrocerus* Buxb. n. subg. (Gen. *Arthrocerus*; Typ. *A. rondonianus* Back.), Krainz Die Kakteen 48-49, C Va, Jan. 1972.
- Pseudogrusonia* Bravo n. ser. (Gen. *Opuntia*; Typ. *Grusonia santamaria* Baxt.), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Pseudopilocereus magnificus* Buin. & Bred., Cact. Succ. J. Amer. 44: 66-70, Mar.-Apr. 1972.
- Pygmaeocereus* Buxb. n. subg. (Gen. *Arthrocerus*; Typ. *P. bylesianus* Andr. & Back.), Krainz Die Kakteen 48-49, C Va, Jan. 1972.
- Rebutia albopectinata* Rausch, Kakt. and. Sukk. 23: 236-237, Sept. 1972.
- Rebutia brunescens* Rausch, Kakt. and. Sukk. 23: 235-236, Sept. 1972.
- Rebutia buiningiana* Rausch, Kakt. and. Sukk. 23: 98-99, Apr. 1972.
- Rebutia eos* Rausch, Succulenta 51: 1-3, Jan. 1972.
- Rebutia krainziana* Kess. var. *hyalacantha* (Back.) Buchheim (= *Rebutia senilis* Back. var. *hyalacantha* Back. in Der Kakteenfreund 1: 131, 1932; *R. wessneriana* Bew.; *R. hyalacantha* Back.; *R. calliantha* Bew. f. *hyalacantha* Buin. & Don.; *R. krainziana* Kess. var. *wessneriana* Krainz. & Haarm.), Zander: Handwörterbuch der Pflanzennamen Edn. X. 743, Stuttgart 1972.
- Rebutia mamillosa* Rausch, Succulenta 51: 69-70, Apr. 1972.
- Rebutia margarethae* Rausch, Kakt. and. Sukk. 23: 4-5, Jan. 1972.
- Rebutia pulchella* Rausch, Kakt. and. Sukk. 23: 340, Dec. 1972.
- Rebutia wessneriana* Bew. var. *beryllioides* Buin. & Don. (= *R. calliantha* Bew. var. *beryllioides* Buin. & Don. in Sukkulentenkunde VII-VIII 103, 1963; *R. krainziana* Kess. f. *brevisetata* Krainz. & Haarm.), Succulenta 51: 222, Dec. 1972.
- Rebutia wessneriana* Bew. var. *krainziana* (Kess.) Buin. & Don. (= *R. krainziana* Kesselring in Sukkulentenkunde II 23, 1948), Succulenta 51: 225, Dec. 1972.
- Rebutia wessneriana* Bew. var. *permutata* (Heinr.) Buin. & Don. (= *R. permutata* Heinr. in Backeberg Descr. Cact. Nov. 3: 13, 1963), Succulenta 51: 225, Dec. 1972.
- Stenocereus* ("Etenocereus") *chrysocarpus* Sanch.-Mej., Cact. Suc. Mex. 17: 95-98, Oct.-Dec. 1972.
- Stenocereus martinezii* (Ort.) Bravo (= *Lemaireocereus martinezii* Ortega in Apunt. Fl. Indig. Sinaloa 1929), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Stenocereus quevedonis* (Ort.) Bravo (= *Lemaireocereus quevedonis* Ortega in Mex. Forest 6: 1, 1928), Cact. Suc. Mex. 17: 119, Oct.-Dec. 1972.
- Stenocereus thurberi* Buxb. var. *littoralis* (Brand.) Bravo (= *Cereus thurberi* Eng. var. *littoralis* K. Brand. in Zoe 5: 191, 1904; *Lemaireocereus thurberi* Br. & R. var. *littoralis* Linds.; *L. littoralis* Gates), Cact. Suc. Mex. 17: 119-120, Oct.-Dec. 1972.
- **Strombocactus denegrii* (Fric) Rowl. n. comb. = *Obregonia denegrii* Fric in Zivot v Přírode 29², 14; Kakt. and. Succ. 3, 1925; Berger in Zeitschr. f. Sukkulentenk. 3: 184-185, 1928.

- **Strombocactus pseudomacrolele* Back. var. *krainzianus* (Frank) Rowl. n. comb. = *Toumeyia krainziana* Frank in Kakt. and. Sukk. 11: 168-170, Nov. 1960; *Turbini-carpus krainzianus* (Frank) Back.; *Toumeyia pseudomacrolele* var. *krainziana* Krainz & Klad.
- **Strombocactus schmiedickeanus* Berg. var. *klinkeranus* (Back. & Jacobs.) Rowl. n. comb. = *Turbini-carpus klinkerianus* Back. & Jacobs. in Sukkulantenkunde 2: 27-28, 1948; *Strombocactus klinkerianus* Buin. in Succulenta 1951: 9; *Toumeyia klinkeriana* Bravo & Marsh.; *T. schmiedickeana* var. *klinkeriana* Krainz.
- Sulcorebutia verticillacantha* Ritt. var. *aureiflora* Rausch, Kakt. and. Sukk. 23: 123, May 1972.
- Sulcorebutia verticillacantha* Ritt. var. *cuprea* Rausch, Kakt. and. Sukk. 23: 124, May 1972.
- Thelocactus conothele* Knuth var. *argenteus* Glass & Fost., Cact. Succ. J. Amer. 44: 48-49, Mar.-Apr. 1972.
- Thelocactus conothele* Knuth var. *aurantiacus* Glass & Fost., Cact. Succ. J. Amer. 44: 47-50, Mar.-Apr. 1972.
- Uebelmannia pectinifera* Buin. var. *pseudopectinifera* Buin., Kakt. and. Sukk. 23: 125-126, May 1972.
- **Weberocereus bradei* (Br. & R.) Rowl. n. comb. = *Eccremocactus bradei* Br. & R. in Contr. U.S. Nat. Herb. 16: 261-262, 1913; *Phyllocactus bradei* Vaupel in Monatsz. f. Kakteenk. 23: 117-118, 1913.

Crassulaceae

- Aeonium* x *bollei* Kunkel (= *A. percarneum* (Murr.) Pit. x *undulatum* Webb & Berth. in Praeger Proc. Roy. Irish Acad. 29: 479, 1929; Acc. Semp. Group 190, 1932), Monogr. Biol. Canar. 3: 39, 1972.
- Aeonium* x *lemsii* Kunkel (= *A. percarneum* (Murr.) Pit. x *A. virgineum* Webb ex Christ in Praeger Proc. Roy. Irish Acad. 29: 479, 1929; Acc. Semp. Group 190, 1932), Monogr. Biol. Canar. 3: 40, 1972.
- Aeonium* x *lidii* Sunding & Kunkel n. hybr. (= *A. simsii* Stearn x *percarneum* Pit.), Cuad. Bot. Canar. 14-15: 49-50, 1972.
- Aeonium* x *sventenii* Kunkel (= *A. simsii* (Sw.) Stearn x *manriqueorum* Bolle in Praeger Proc. Roy. Irish Acad. 29: 466, 1929; Acc. Semp. Group 196, 1932), Monogr. Biol. Canar. 3: 40, 1972.
- Aichryson* x *bramwellii* ("bramwelli") Kunkel (= *A. porphyrogenetos* Bolle x *punctatum* (Sm.) Webb & Berth. in Praeger Proc. Roy. Irish Acad. 29: 464, 1929; Acc. Semp. Group 114, 1932), Monogr. Biol. Canar. 3: 41, 1972.
- Aichryson* x *praegeri* Kunkel (= *A. laxum* (Haw.) Bramw. x *porphyrogenetos* Bolle in Praeger Proc. Roy. Irish Acad. 29: 462, 1929), Monogr. Biol. Canar. 3: 40, 1972.
- Cotyledon fragilis* R. A. Dyer, Fl. Pl. Afr. 41: t. 1631, Dec. 1971.
- Cotyledon singularis* Dyer, Fl. Pl. Afr. 41: t. 1606, Oct. 1970.
- Crassula arenicola* Tölken, J. S. Afr. Bot. 38: 77, Apr. 1972.
- Crassula pentandra* (Royale ex Edgew.) Schönl. subsp. *catalaunica* Vigo et Terredas, Acta Geobot. Barcinon. 4: 21, 1969.
- Crassula perfoliata* L. var. *miniata* Tölken, J. S. Afr. Bot. 38: 72, Apr. 1972.
- Crassula pustulata* Tölken, J. S. Afr. Bot. 38: 73, Apr. 1972.
- Crassula robusta* Tölken, J. S. Afr. Bot. 38: 79, Apr. 1972.
- Echeveria agavoides* Lem. var. *multifida* E. Walth. in Echeveria: 85, 1972.
- Echeveria agavoides* Lem. var. *prolifera* E. Walth. in Echeveria: 84, 1972.
- Echeveria angustifolia* E. Walth. in Echeveria: 211, 1972.
- Echeveria bella* Alex. var. *major* E. Walth. in Echeveria: 358, 1972.
- Echeveria colorata* E. Walth. in Echeveria: 91, 1972.
- Echeveria cornuta* E. Walth. in Echeveria: 133, 1972.
- Echeveria dactylifera* E. Walth. in Echeveria: 179, 1972.
- Echeveria elegans* Rose var. *hernandonis* E. Walth. in Echeveria: 99, 1972.
- Echeveria elegans* Rose var. *tuxpanensis* E. Walth. in Echeveria: 101, 1972.
- Echeveria erubescens* E. Walth. in Echeveria: 263, 1972.
- Echeveria lindsayana* E. Walth. in Echeveria: 90, 1972.
- Echeveria lutea* Rose var. *fuscata* E. Walth. in Echeveria: 259, 1972.
- Echeveria moranii* E. Walth. in Echeveria: 347, 1972.
- Echeveria nodulosa* Otto var. *minor* E. Walth. in Echeveria: 317, 1972.
- Echeveria proxima* E. Walth. in Echeveria: 350, 1972.
- Echeveria pulidonis* E. Walth. in Echeveria: 122, 1972.

- Echeveria pumila* v. Houtte var. *glauca* (Bak.) E. Walth. (= *Cotyledon glauca* Baker in Saunders Ref. Bot. 1 t. 61, 1869; *Echeveria secunda* Booth var. *glauca* Otto; *E. glauca* Morr.; *E. globosa* hort.) in *Echeveria*: 138, 1972.
- Echeveria reglensis* E. Walth. in *Echeveria*: 133, 1972.
- Echeveria sanchez-mejoradae* E. Walth. in *Echeveria*: 108, 1972.
- Echeveria sayulensis* E. Walth. in *Echeveria*: 151, 1972.
- Echeveria shaviana* E. Walth. in *Echeveria*: 270, 1972.
- Echeveria skinneri* E. Walth. in *Echeveria*: 307, 1972.
- Echeveria tenuifolia* E. Walth. in *Echeveria*: 264, 1972.
- Echeveria westii* E. Walth. in *Echeveria*: 361, 1972.
- Jovibarba hirta* Opiz ssp. *allionii* (Jord. & Fourn.) Soo (= *Diopogon allionii* Jord. & Fourn. in Brev. Pl. Nov. Fasc. 2: 46, 1868), Fedde Repert. 83: 174, 1972.
- Jovibarba hirta* Opiz ssp. *glabrescens* Fav. & Zes. var. *hillebrandtii* (Schott) Soo (= *Sempervivum hillebrandtii* Schott in *Osterr. Bot. Wochenbl.* 2: 18, 1852), Fedde Repert. 83: 174, 1972.
- Jovibarba hirta* Opiz ssp. *glabrescens* Fav. & Zes. var. *tatrense* (Domin) Soo (= *Sempervivum tatrense* Domin in *Rozpr. Cesk. Akad.* 42 No. 29: 20, 1932, etc.), Fedde Repert. 83: 174, 1972.
- Jovibarba hirta* Opiz ssp. *hirta* var. *amblysepala* (Borb.) Soo (= *Sempervivum hirtum* L. var. *amblysepalum* Borb. in *Nyitram. Fl.* 1899: 300), Fedde Repert. 83: 174, 1972.
- Jovibarba hirta* Opiz ssp. *neilreichii* (Sch., Nym. & Kotschy) Soo (= *Sempervivum neilreichii* Schott, Nym. & Kotschy in *Analecta Bot.* 1854: 19, etc.), Fedde Repert. 83: 174, 1972.
- Jovibarba sobolifera* Opiz ssp. *hirtella* (Schott) Soo (= *Jovibarba hirtella* Schott in *Verh. Siebenb. Ver. Nat.* 7: 171, 1857; *Sempervivum simonkaianum* Degen), Fedde Repert. 83: 174, 1972.
- Kalanchoe elliptica* Raadts, *Engl. Bot. Jahrb.* 91: 478-480, 1972.
- Kalanchoe rosulata* Raadts (= *K. heimii* hort.), *Engl. Bot. Jahrb.* 91: 480-482, 1972.
- Rosularia davisii* Muirhead, *Notes Roy. Bot. Gard. Edinb.* 31: 393, 1972.
- Sedum hewittii* Chamberlain, *Notes Roy. Bot. Gard. Edinb.* 31: 325, 1972.
- Sedum hispanicum* L. var. *planifolium* Chamberlain, *Notes Roy. Bot. Gard. Edinb.* 31: 325, 1972.
- Sempervivum heuffelii* Schott var. *bulgarica* Cheshm., *Bot. Zurn. (Leningrad)* 54: 474, 1969.
- **Sempervivum* x *praegeri* Rowley n. nom. (= *S. ciliosum* Craib x *erythraeum* Vel. in *Praeger Acc. Semp. Group*: 90, 1932).
- Sempervivum velenovskiyi* Cheshm., *Bot. Zurn. (Leningrad)* 54: 474, 1969.

Dioscoreaceae

- Dioscorea sylvatica* Eckl. ssp. *lydenbergensis* Blunden, Hardman et Hind, *Bot. J. Linn. Soc.* 64: 445, Oct. 1971.
- **Testudinaria sylvatica* Knuth var. *lydenbergensis* (Bl. Hd. & Hind) Rowl. n. comb. (= *Dioscorea sylvatica* Eckl. ssp. *lydenbergensis* Blunden, Hardman & Hind, *Bot. J. Linn. Soc.* 64: 445, Oct. 1971.)

Euphorbiaceae

- Euphorbia canariensis* L. forma *viridis* Kunkel n. nud. (*Art.* 37), *Monogr. Biol. Canar.* 3: 50, 1972.

Fouquieriaceae

- Bronnia* (H.B.K.) Henrickson n. subg. (Gen. *Fouquieria* H.B.K.; Typ. *F. fasciculata* Nash), *Aliso* 7: 480, July 1972.
- Fouquieria splendens* Eng. ssp. *breviflora* Henrickson, *Aliso* 7: 519-522, July 1972.
- Fouquieria splendens* Eng. ssp. *campanulata* (Nash) Henrickson (= *F. campanulata* Nash in *Bull. Torr. Bot. Club* 30: 457, 1903), *Aliso* 7: 517-518, July 1972.
- Fouquieria splendens* Eng. ssp. *campanulata* Henr. var. *albiflora* Henrickson, *Aliso* 7: 518-519, July 1972.
- Idria* (Kell.) Henrickson n. subg. (Gen. *Fouquieria* H.B.K.; Typ. *I. columnaris* Kell.), *Aliso* 7: 481, July 1972.
- Ocotilla* Henrickson n. sect. (Gen. *Fouquieria* H.B.K.; Typ. *F. splendens* Eng.), *Aliso* 7: 480, July 1972.

Liliaceae

- **Aloe bella* Rowl. n. nom. (= *A. pulchra* Lavr. in *Cact. Succ. J. Amer.* 45: 118-119, 1973; non Jacq. in *Hort. Schoenbr.* IV: 10, 1804).
- Aloe enotata* Leach, *J. S. Afr. Bot.* 38: 187-193, 1972.
- Aloe erinacea* Hardy, *Bothalia* 10: 366, Mar. 1971.
- Aloe luapulana* Leach, *J. S. Afr. Bot.* 38: 185-188, 1972.

Mesembryanthemaceae

Neo-Aridaria Herre n. nud., *The Genera of the Mesembryanthemaceae* 16 (in clav.) 1971.

Moraceae

Dorstenia gypsophila Lavr., *Cact. Succ. J. Amer.* 44: 257-259, Nov.-Dec. 1972.

Portulacaceae

- Portulaca pilosa* L. ssp. *decipiens* (Poelln.) Gees. (= *P. decipiens* Poelln. in *Fedde Rep.* 33: 159, 1933; 37: 303, 1934), *Blumea* 17: 297, 1969.
- Portulaca pilosa* L. ssp. *grandiflora* (Hook.) Gees. (= *P. grandiflora* Hook. in *Bot. Mag.* t. 2885, 1829, etc.), *Blumea* 17: 297, 1969.
- Portulaca pilosa* L. ssp. *lakhonensis* (Gagn.) Gees. (= *P. lakhonensis* Gagn. in *Bull. Soc. Bot. France* 56: 41, 1909), *Blumea* 17: 299, 1969.
- Portulaca pilosa* L. ssp. *okinawensis* (Walk. & Taw.) Gees. (= *P. okinawensis* Walk. & Taw. in *J. Wash. Acad. Sci.* 41: 138, 1951), *Blumea* 17: 298, 1969.
- Portulaca pilosa* L. ssp. *papulosa* (Schlecht.) Gees. (= *P. papulosa* Schlecht. ex Poelln. in *Fedde Rep.* 37: 257, 1934; *P. advena* Reich. & Poelln.), *Blumea* 17: 298, 1969.
- Portulaca pilosa* L. ssp. *sundaensis* (Poelln.) Gees. (= *P. sundaensis* Poelln. in *Fedde Rep.* 50: 105, 1941), *Blumea* 17: 298, 1969.
- Portulaca pilosa* L. ssp. *villosa* (Cham.) Gees. (= *P. villosa* Cham. in *Linnaea* 6: 565, 1831; *P. sclerocarpa* Gray; *P. caumii* Brown; *P. hawaiiensis* Deg.), *Blumea* 17: 297-298, 1969.

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

NOMINA GENERICA CONSERVANDA

Cactaceae

Melocactus Link & Otto 1827, gen. conserv.
(Typ. *M. communis* Link & Otto; in vicem
Melocactus Boehmer 1760) in Regn. Veg.
82: 338, 1972.

NOMINA NUDA

Crassulaceae

Sempervivum n. combs. by G. G. Bellia & A.
de Andrade in REA No. 5: 32-36 & T. 1-6,
1972 (sine basionym).

BIBLIOGRAPHIA

- ANDRADE, A. de—See BELLIA, G.G.
ARP, G.—Studies in the Colorado Cacti. Cact.
Succ. J. Amer. 44: I. 62-63, Mar.-Apr.; II.
108-109, May-June 1972.
ARP, G.—A Revision of *Pediocactus*. Cact.
Succ. J. Amer. 44: 218-222, Sept.-Oct.
1972.
BAYER, M.B.—Anguish among the *Haworthias*. Cact. Succ. J. Gt. Brit. 34: 35-37,
May 1972.
BELLIA, G.G. & ANDRADE, A. de—Studio
sul Genere *Sempervivum* (III Parte). REA.
Boll. Inf. Giard. Sper. Accl. San Bernardino
di Trana 5: 32-36, 1972.
BLACKWELL, W.H.—See NOELLE, H.J.
BLUNDEN, G., HARDMAN, R. & HIND,
F.J.—The comparative morphology and
anatomy of *Dioscorea sylvatica* Eckl. from
Natal and the Transvaal. Bot. J. Linn. Soc.
64: 431-446, 1971. (1 n. subsp.)
BORISOVA, A.G.—Crassulaceae in V.L.
KOMAROV (Ed.) "Flora of the U.S.S.R."
Vol. IX, Rosales & Sarraceniales—English
translation. 425 pp. Jerusalem 1971. Cra-
sulaceae pp. 8-105, 357-372.
BRAVO, H.—Nuevas Cactaceas Mexicanas.
Cact. Suc. Mex. 17: 115-120, Oct.-Dec.
1972.
BREDEROO, A.J.—See DONALD, J.
BUXBAUM, F.—See KRAINZ, H.
CHIMAL, A.—See GOMEZ-POMPA, A.
CROIZAT, L.—An introduction to the sub-
generic Classification of *Euphorbia* L. with
stress on the South African and Malagasy
species. Webbia 27: 1-221, 1972.
CUTLER, D.F.—Leaf Anatomy of certain
Aloe and *Gasteria* Species and their Hy-
brids. In GHOUSE & YUNUS, Research
Trends in Plant Anatomy: 103-122. Bom-
bay & New Delhi 1972.

- DONALD, J.D.—*Rebutia wessneriana* var. *beryllioides* (Buin. et Don.) Buin et Don. Succulenta 51: 221-225, Dec. 1972.
- DONALD, J. & BREDEROO, A.J.—*Sulcorebutia* Backbg. emend. Brederoo et Donald. Succulenta 51: 169-174, Sept. 1972.
- DUGDALE, C.B.—Tanniferous idioblasts in the Mesembryanthemaceae. J. S. Afr. Bot. 37: 31-36, Jan. 1971.
- DUPONT, S.—L'apport des observations au microscope électronique à balayage dans la diagnose des genres. Compt. Rend. Acad. Sci. Paris 272: 2324-2325, 1971.
- EWUSIE, J.Y. & GHATAK, J.—Studies on reproduction and cytology of sisal (*Agave sisalana* Perrine ex Engelm.). Ghana J. Sci. 12: 42-50, Apr. 1972.
- FOSTER, R.—See GLASS, C.
- FRIEDRICH, H.C.—See MERXMÜLLER, H.
- GENTRY, H.S.—The Agave Family in Sonora. 195 pp. Washington D.C. 1972.
- GHATAK, J.—See EWUSIE, J.Y.
- GLASS, C. & FOSTER R.—Two new varieties of *Thelocactus conothele*. Cact. Succ. J. Amer. 44: 47-50, Mar.-Apr. 1972.
- GLASS, C. & FOSTER R.—Mexican logbook. Cact. Succ. J. Amer. 44: 95-98, 136, May-June; 168-172, July-Aug.; 198-203, 236, Sept.-Oct. 1972.
- GOMEZ-POMPA, A., VILLALOBOS-PIETRINI, R. & CHIMAL, A.—Studies in the Agavaceae: I. Chromosome morphology and analysis of seven species. Madroño 21: 208-221, 1971.
- GRAU, J.—See MERXMÜLLER, H.
- GUILLAUMET, J.L.—Les Variations du genre *Rhipsalis* (Cactacées) à Madagascar. Adansonia 12: 433-445, 1972.
- HARDMAN, R.—See BLUNDEN, G.
- HART, H. 't.—*Sedum forsterianum* Sm. in Nederland. Gorteria 6: 40, 1972.
- HART, H. 't.—Chromosome numbers in the Series *Rupestria* Berger of the Genus *Sedum* L. Acta Bot. Neerl. 21: 428-435, 1972.
- HENRICKSON, J.—A Taxonomic Revision of the Fouquieriaceae. Aliso 7: 439-537, July 1972.
- HIND, F.J.—See BLUNDEN, G.
- HUNT, D.R.—Review of *Mammillaria* names in current usage. J. Mamm. Soc. 11: 7-11, Feb. 1971; 18-20, Apr. 1971; 34-38, June 1971; 56-61, Oct. 1971; 12: 7-9, Feb. 1972; 17-20, Apr. 1972, 36-40, June 1972; 49-54, Aug. 1972; 56-62, Oct. 1972; 75-80, Dec. 1972.
- HUNT, D.R.—*Mammillaria collinsii*. Curtis Bot. Mag. 178 t. 609, 1972.
- IHLENFELDT, H.D.—Zur Morphologie und Taxonomie der Mitrophyllinae Schwantes (Mesembryanthemaceae). Ber. Deutsch. Bot. Ges. 84: 655-660, 1972.
- IHLENFELDT, H.D. & STRAKA, H.—Proposal to conserve the generic name (2405) *Mesembryanthemum* L. emend. L. Bolus. Taxon 21: 537, Aug. 1972.
- KEPPEL, J.C. van—Some notes on South American *Echeverias*. Cact. Succ. J. Amer. 44: 55-61, Mar.-Apr. 1972.
- KIESLING, R.—Dos nuevas especies de *Pterocactus* (Cactaceae). Bot. Soc. Argent. Bot. 14: 110-116, 1971.
- KILIAN, G.—*Parodia challamarcana, procera* und *pseudoprocera*. Stachelpost 8: 5-6, Jan. 1972.
- KILLICK, D.J.B.—New & interesting records of African plants. Crassulaceae: a curious form of *Crassula natans* Thunb. from the Natal Drakensburg. Bothalia 10: 70-71, 1969.
- KOELEMAN, A. et alia—Registration of *Aloe* cultivars. List of *Aloe* cultivars Nos. 4-7. Aloe 10 (i): 4-10; (ii): 13-19; (iii): 19-24; (iv): 19-24, 1972. (34 new cultivars of hybrid origin).
- KRAINZ, H., BUXBAUM, F. et alia—*Arthroceres, Coleocephalocereus* sg. *Lagenopsis, Rathbunia, Coleocephalocereus luetzelbergii, Frailea cataphracta, F. conceptionis, F. ybatense, Mammillaria flavicentra, Melocactus azureus, Myrtillocactus geometrizans, Neobesseya missouriensis, Neolloydia conoidea, N. smithii, Pediocactus paradinei, Sclerocactus polyancistrus*. Die Kakteen 48-49, Jan. 1972.
- KUHN, E.—The study of the Subseries Hamatispinae of the Genus *Mammillaria*. J. Mamm. Soc. 11: 2-5, Feb. 1971; 22-24, Apr. 1971; 30-32, June 1971; 45-48, Aug. 1971.
- KUHN, E.—Zur Kenntnis der Gattung *Mammillaria*. Kakteen/Sukkulanten 1972: 38-44. (With key to 6 spp.).
- KUNKEL, G.—Enumeracion de las Plantas Vasculares de Gran Canaria. Monogr. Biol. Canar. 3. Las Palmas 1972. Includes new names in Crassulaceae and *Euphorbia*.
- LAVRANOS, J.J.—A note on *Huernia volkartii* Wederm. & Peitsch. J. S. Afr. Bot. 38: 43, Jan. 1972.
- LAVRANOS, J.J.—Two new species of *Caralluma* from the Western part of Cape Province. J. S. Afr. Bot. 38: 97-101, 1972.
- LAVRANOS, J.J.—*Aloe deltoideodonta* var. *typica*. A rediscovered succulent. Aloe 10 (iii): 4-6, Sept. 1972.
- LAVRANOS, J.J.—Notes on the Succulent Flora of North-East Africa and Southern Arabia. Cact. Succ. J. Amer. 44: 257-261, Nov.-Dec. 1972.
- LEACH, L.C.—Two new species of *Aloe* (Liliaceae) from Zambia. J. S. Afr. Bot. 38: 185-194, 1972.

- LEUENBERGER, B.—See SCHILL, R.
- MADDAMS, W.F.—The Problem of Variability. *Cact. Succ. J. Gt. Brit.* 34: 74-78, Nov. 1972.
- MERXMÜLLER, H., FRIEDRICH, H. C. & GRAU, J.—Cytotaxonomische Untersuchungen zur Gattungsstruktur von *Crassula*. *Ann. Nat. Mus. Wien* 75: 111-119, 1971.
- MEYRAN, J.—Estudios sobre *Echinofossulocactus*. *Cact. Suc. Mex.* 17: 35-46, 57-62, 64, Apr.-June 1972.
- MORAN, R.—The Genus *Meterostachys* Nakai (Crassulaceae). *Cact. Succ. J. Amer.* 44: 262-273, Nov.-Dec. 1972.
- MOSER, G.—*Gymnocalycium paraguayense* K. Sch.) Schütz comb. nov. *Friciana* 47: 1-15, Nov. 1972.
- MUIRHEAD, C.W.—A new *Rosularia* from South-East Anatolia. *Notes Roy. Bot. Gard. Edinb.* 31: 393, 1972.
- NEWTON, L.E.—On the taxonomic value of plants. *Bull. Afr. Succ. Pl. Soc.* 7: 115-117, July-Aug. 1972.
- NEWTON, L.E.—Taxonomic use of the cuticular surface features in the genus *Aloe* (Liliaceae). *Bot. J. Linn. Soc.* 65: 335-339, 1972.
- NOELLE, H.J. & BLACKWELL, W.H.—The Cactaceae in Ohio. *Castanea* 37: 119-124, 1972.
- PARR, C.A.E.—Revision of the Genus *Astroloba*. *Bull. Afr. Succ. Pl. Soc.* 6: 256-260, Jan.-Feb. 1972; 7: 89, May-June 1972.
- RAADTS, E.—Zwei neue *Kalanchoe* aus Arabien und Somaliland. *Engl. Bot. Jahrb.* 91: 478-482, May 1972.
- RAUH, W.—The Genus *Pachypodium*. *Cact. Succ. J. Amer.* 44: 1, 7-31, Jan.-Feb. 1972.
- RIHA, J.—*Neolloydia cubensis* (Br. & Rose) Backbg. *Cact. Succ. J. Amer.* 44: 32-33, Jan.-Feb. 1972.
- RIZVI, S., KHOSHOO, T.N. & PAL, M.—Cytotypes within the annual ornamental *Portulaca*. *Caryologia* 25: 9-15, 1972.
- ROWLEY, G.D.—Genealogy of the Large-flowered Cactus Hybrids. *Epiphytes* 4: 3-21, July 1972; 26-45, 47, Oct. 1972.
- SANCHEZ-MEJORADA, H.—Dos nuevas Especies de *Opuntia* del Litoral del Pacifico. *Cact. Suc. Mex.* 17: 47-50, 62-63, Apr.-June; 67-73, 92, July-Sept. 1972. (With key to 7 spp.).
- SCHILL, R. & LEUENBERGER, B.—Pollenmorphologie und Cytotaxonomie der Gattung *Pachypodium* Lindl. *Engl. Bot. Jahrb.* 92: 169-177, 1972.
- SCOGIN, R.—Proteins of the genus *Lithops* (Aizoaceae): developmental and comparative studies. *J. S. Afr. Bot.* 38: 55-61, Jan. 1972.
- SHERWIN, P.A. & WILBUR, R.L.—The contributions of floral anatomy to the generic placement of *Diamorpha smallii* and *Sedum pusillum*. *J. Elisha Mitchell Sci. Soc.* 87: 103-114, 1971.
- SPANOWSKY, W.—Wie sollen Neubesreibungen aussehen? *Kakteen/Sukkulenten* 1972: 34-38.
- STREY, R.G.—A note on the identity of *Mesembryanthemum brachyphyllum* Welw. *Bothalia* 10: 55, 1969.
- TÖLKEN, H.R.—The Linnean species of *Crassula*. *J. S. Afr. Bot.* 38: 67-80, 1972.
- TÖLKEN, H.R.—Crassulaceae. *Veld & Flora* 2: 32-35, 1972.
- UHL, C.H.—Polyploidy in the American Crassulaceae. *Brittonia* 24: 129, 1972.
- UHL, C.H.—Intraspecific variation in chromosomes of *Sedum* in the South-Western United States. *Rhodora* 74: 301-320, 1972.
- VAN VLIET, D.J.—*Notocactus vanvlietii* Rausch. *Succulenta* 51: 82-86, May 1972.
- VAN VLIET, D.J.—*Notocactus* en *Wigginsia* een geslacht? *Succulenta* 51: 188-195, Oct.; 204-209, Nov. 1972.
- VENTER, A.M.—'n Morfologiese ondersoek van drie Aalwyne. (A morphological examination of three aloes.) *Aloe* 10 (iv): 39-46, Dec. 1972.
- VILLALOBOS-PIETRINI, R.—See GOMEZ-POMPA, A.
- VILLIERS, J.F.—Nouvelles Espèces du Genre *Pyrenacantha* Wight (Icacinacées) en Afrique. *Adansonia* 12: 283-289, 1972.
- VOGGENREITER, V.—*Euphorbia canariensis* L. aus Tenerife: eine pflanzengeographische Kartierung. *Cuad. Bot. Canar.* XIV/XV: 31-35, 1972.
- WALTHER, E.—*Echeveria*, ix + 426 pp. San Francisco 1972.
- WILBUR, R.L.—See SHERWIN, P.A.
- WILDE, W.J.J.O. De—Additional notes on Ethiopian *Adenia* (Passifloraceae). *Acta Bot. Neerl.* 21: 560-566, 1972.
- ZARDINI, E.M.—Las Especies del Genero *Sedum* (Crassulaceae) espontáneas en la Republica Argentina. *Bol. Soc. Argent. Bot.* 14: 95-106, 1971.
- ZIMMERMAN, D.A.—Comments on certain Southwestern *Coryphanthas* of the Subgenus *Escobaria*. *Cact. Succ. J. Amer.* 44: 155-158, July-Aug. 1972.

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 Unesco, but receives no monetary support, being financed entirely by the members themselves. Membership is by election only and confined to leading succulent specialists in each country who form a National Section in close contact with succulent societies and amateur and professional growers. Congresses are held biennially to allow members of different countries to compare their points of view.

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

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

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

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WAS IST DIE I.O.S.?

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

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

