



## **Cacti in the Living Plant Collection of the Boyce Thompson Southwestern Arboretum**

Item Type	Article
Authors	Newland, Kent C.; Crosswhite, Frank S.
Publisher	University of Arizona (Tucson, AZ)
Journal	Desert Plants
Rights	Copyright © Arizona Board of Regents. The University of Arizona.
Download date	01/12/2024 14:53:55
Link to Item	<a href="http://hdl.handle.net/10150/554201">http://hdl.handle.net/10150/554201</a>

# Cacti in the Living Plant Collection of the Boyce Thompson Southwestern Arboretum

Kent C. Newland  
and Frank S. Crosswhite  
Boyce Thompson Southwestern Arboretum



W.B. Thompson standing behind his namesake, *Echinocereus fasciculatus* var. *boyce-thompsonii*, the very first cactus planted at the Arboretum in the early 1920's.

The following list will serve as an index to the 805 kinds of cacti, belonging to 110 genera, in the living plant collection of the Boyce Thompson Southwestern Arboretum. The Arboretum has maintained a high degree of interest in the entire cactus family since the decade of the 1920's, resulting in numerous publications over the years on propagation and care, taxonomy, natural history, speciation and evolution, and life form relationships. Whether by original design or happenstance, the Arboretum has become a center for the study of cacti by scientist and casual visitor alike. Tourist guidebooks often call attention to the Arboretum's collection of cacti and invariably use superlatives, sometimes even calling it the greatest or largest or most complete cactus collection in the world. Although such claims may be somewhat exaggerated, the institution does seek to make the collection as meaningful and complete as possible. To this end the Arboretum will happily accept contributions of species not found on the present list.

Most of the 805 kinds of cacti are displayed with identifying labels in the Arboretum's cactus garden or in a special cactus greenhouse attached to the Visitor Center building. A few are only in special propagating or research areas and are not yet on display to the public. In response to questions by visitors as to how they could purchase potted specimens of many of the desirable and rare species, a sales area was established adjacent to the Visitor Center building to make available propagated specimens which *have not* been dug up from the desert. This sales program is a conservation effort designed to discourage persons from despoiling the desert by illegally digging cacti or other desert plants, and to encourage them to grow desert plants which have resulted from horticultural propagation and production methods. The sales area is open only to persons who come to the Arboretum to walk its trails, study the plants, or otherwise participate in the educational and nature-appreciation aspects of the institution. This restriction was established to avoid creating an unrelated business activity and to adhere to University of Arizona regulations, Arizona state law, and Internal Revenue Service guidelines dealing with non-profit educational and scientific institutions. All income from the sales program goes directly into operating the Arboretum. It is important for subscribers to *Desert Plants* to realize that the majority of the 805 kinds of cacti on the present list are not "stock items" in the sales area. They are members of the Arboretum's living collection used for purposes of research, education and display and as such will be available for sale only as propagation permits. Numerous cacti, including some popular and easy-to-grow types, are grown by a corps of volunteers at the Arboretum for placing in the sales area. Yet others are trucked to the Arboretum periodically by hobbyists and commercial growers for the Arboretum to sell for fund-raising purposes. Although practically all of the 805 kinds of cacti on the present list have at one time or another been present in the sales area, the majority are available only as spin-offs of the educational and scientific programs and/or have an undependable and unpredictable supply. To adhere to the guidelines and philosophy of the "propagated plant sales program" the Arboretum asks that persons refrain from coming specifically to buy plants or to seek specific plants to buy. It is recommended that if persons have any landscaping or other plant requirements that can be anticipated in advance, they should visit some of



A young visitor looks at immense white *Trichocereus* flowers amidst a veritable jungle of cactus stems in a greenhouse attached to the visitor center of the Boyce Thompson Southwestern Arboretum. Photograph by Carol D. Crosswhite.



*Borzicactus aureispinus* adapts to a hanging pot at the Boyce Thompson Southwestern Arboretum. In its native Bolivia it hangs from sides of cliffs. Photograph by Carol D. Crosswhite.

the very excellent retail plant nurseries present in Arizona and adjacent desert regions.

Although the designation "arboretum" in the name of the institution emphasizes trees, cacti have always been included, along with other desert plants, among the subject matter to be studied and displayed. The Arboretum's interest in cacti goes back to the 1920's when Charles Russell Orcutt was hired as the institution's first professional plant collector. Cacti collected by Orcutt in Mexico and the Southwestern United States were established at the Arboretum at an early date. Of special interest historically are a handful of species discovered at or near the Arboretum itself and which Orcutt considered entirely new to science. First discovered were *Echinocereus arizonicus* and *Mammillaria viridiflora* at 4700 feet elevation about 11 miles northeast of the Arboretum. The *Echinocereus* is now considered a variety of *Echinocereus triglochidiatus* by Lyman Benson and is listed as an "endangered species" by the United States government. Benson considers the *Mammillaria* to be a good taxon in species rank. It is not uncommon as a wild plant at the Arboretum itself. Orcutt also described *Echinocereus boyce-thompsonii* as a new species on the basis of wild plants native to the Arboretum grounds. It is retained by Benson in the rank of variety under *Echinocereus fasciculatus*.

From 1928 to 1945 five Arboretum botanists and horticulturists published articles on cacti. Fritz Berger, the son of the famous European cactus and succulent expert Alwin Berger, grew cacti at the Arboretum as the institution's first professional plant propagator. We have found articles he published on *Echinomastus* and *Mammillaria* during this period of his career before he began his better-known work at the Huntington Botanical Garden in Pasadena, California. A number

of Fritz Berger's cactus photographs taken at or near the Arboretum appeared in his father's landmark book *Kakteen, Anleitung zur Kultur und Kenntnis der Wichtigsten Eingefuhrten Arten* published in 1929 at Stuttgart. Ralph O. Baird published articles on "A Recent Cactus Expedition" and "A New Species of Cactus" while employed at the Arboretum. William Palmer Stockwell served as research assistant and propagator at the Arboretum during the decade of the 1930's. In 1933 he was senior author, with Lucretia Breazeale, of a brand-new 116-page book *Arizona Cacti*, published by the University of Arizona. This was the forerunner of the University's later book *Cacti of Arizona* which appeared in 1940 under authorship of Dr. Lyman Benson. (This latter book, through all of its incarnations including the 1969 third edition, continued to be illustrated by Lucretia Breazeale, who became Lucretia Hamilton after marrying Louis Hamilton.)

Another employee of the Arboretum, Jack Whitehead, published on cacti and other desert plants in the decade of the 1930's, a good example being a 1936 article on *Opuntia leptocaulis* in the *Journal of the Cactus and Succulent Society of America*. A plant collector for the Arboretum in both the 1930's and 1940's, J. Pinckney Hester, published numerous articles on his cactus discoveries, including a number of supposed new species and even a proposed new genus *Escobesseyia*. Although some of his "new species" have stood the test of time, some have been downgraded to the status of variety or form or outright synonymized.

During the decade of the 1950's when most species of Arizona cacti had already been discovered, Arboretum botanist Bernard W. Benson surprised cactus and succulent experts around the world by describing *Pediocactus paradinei* as a new species from House Rock Valley in Coconino County. The famous German cactus expert Curt Backeberg proclaimed Benson's cactus not only a new species but an entirely new genus as well, naming it *Pilocanthus*. Today scholars agree that Benson's cactus is quite unique, but accept Benson's classification in preference to that of Backeberg.

During the decade of the 1960's the University of Arizona officially entered into cooperative management of the Arboretum and a number of research projects, some resulting in successful MS theses and PhD dissertations, were undertaken by U. of A. students at the Arboretum. Noteworthy was a 1967 thesis by Don Despain on *Survival of Saguaro Seedlings on Soils of Differing Albedo, Cover and Temperature*.

When Dr. Verne Grant became Director of the Arboretum in 1968, research began to emphasize evolutionary biology and pollination systems, culminating in the 1971 book *Plant Speciation* published by Columbia University Press. Verne and Karen Grant also published an article on "Dynamics of Clonal Microspecies in *Cholla Cactus*" based on their studies while at the Arboretum and described the new species *Opuntia kelvinensis*.

During the 1970's and 1980's the emphasis on cacti at the Arboretum shifted to conservation efforts and ecological studies. Kent C. Newland took charge of the Arboretum's cactus collections and a large number of plants were salvaged from highway construction projects, land scheduled to be cleared for power substations, or otherwise bulldozed. Newland has served on cactus conservation committees and was elected to membership in the International Organization of Succulent Plant Study. An article on his crested Totem Pole Cactus

appeared in the 1984 volume of the *Journal of the Cactus and Succulent Society of America*.

During 1974 Dr. Frank S. Crosswhite conducted studies of *Echinocereus arizonicus*, *Mamillaria viridiflora*, and *Ferocactus acanthodes* var. *eastwoodiae* for the U.S. Forest Service and supervised a mapping inventory of *Echinocereus arizonicus* on Forest Service land in 1977. In 1980 he published a 60-page article on the *Annual Saguaro Harvest and Crop Cycle of the Papago, With Reference to Ecology and Symbolism* and in 1984, jointly with Dr. Carol D. Crosswhite, a 36-page article on life forms of Sonoran Desert plants which included six cactus life forms. Carol has managed the Arboretum's "propagated plant sales program" which emphasizes cacti, and has published on cochineal dye from *Opuntia* and *The Significance of Cacti in the Diet of the Javelina*. Newland and both Crosswhites have served as judges at cactus shows. Thus, there has been an unbroken chain of interest in cacti by the staff of the Arboretum from the 1920's to the present.

### Acanthocalycium

**Acanthocalycium glaucum** Ritter.

**Acanthocalycium klimpelianum** (Weidl. & Werd.) Backeberg.

**Acanthocalycium violaceum** (Werdermann) Backeberg.  
VIOLET SEA URCHIN.

**Acanthocereus colombianus** Britton & Rose. TRIANGLE CACTUS; PITAHAYA.

### Akersia

*Akersia roseiflora* — see *Borzicactus roseiflorus*.

### Ancistrocactus

**Ancistrocactus scheeri** (Salm-Dyck) Britton & Rose. FISHHOOK CACTUS; ROOT CACTUS.

**Ancistrocactus uncinatus** (Galeotti) L. Benson. TURK'S HEAD; CAT-CLAW CACTUS; BROWN-FLOWERED HEDGEHOG; TEXAS HEDGEHOG.

### Anisocereus

*Anisocereus gaumeri* — see *Pterocereus gaumeri*.

### Aporocactus

**Aporocactus flagelliformis** (Linnaeus) Lemaire. RAT-TAIL CACTUS; JUNCO; JUNQUILLO; FLORICUERNO; FLOR DE LATIGO.

### Arequipa

*Arequipa erectocylindrica* — see *Borzicactus hempelianus* var. *rettigii*.

*Arequipa hemepeliana* — see *Borzicactus hempelianus*.

*Arequipa myriacantha* — see *Borzicactus myriacanthus*.

*Arequipa soehrensii* — see *Borzicactus hempelianus* var. *rettigii*.

*Arequipa spinosissima* — see *Borzicactus hempelianus* var. *spinossissima*.

### Ariocarpus

**Ariocarpus agavioides** (Castaneda) Anderson.

**Ariocarpus fissuratus** (Engelmann) Schumann var. **fissuratus**. LIVING ROCK; STAR CACTUS; STAR ROCK; SUNAMI; CHAUTLE; PEYOTE CIMARRON.

**Ariocarpus fissuratus** var. **lloydii** (Rose) Anderson.

**Ariocarpus kotschoubeyanus** (Lemaire) Schumann.

*Ariocarpus lloydii* — see *Ariocarpus fissuratus* var. *lloydii*.

**Ariocarpus retusus** Scheidweiler. SEVEN STARS; CHAUTE.

**Ariocarpus scapharostus** Boedeker.

### Armatocereus

**Armatocereus procerus** Rauh & Backeberg.

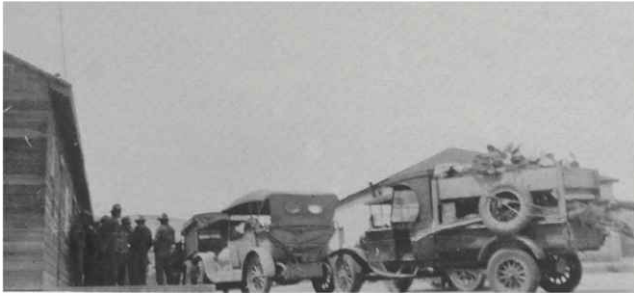
### Arrojadoa

**Arrojadoa aureispina** Buining & Brederoo.

**Arrojadoa rhodantha** (Gurke) Britton & Rose.

### Astrophytum

**Astrophytum asterias** (Zuccarini) Lemaire. SEA URCHIN CACTUS; SAND DOLLAR.



*Arboretum vehicles laden with cacti collected in Mexico stop at the customs house on the international border at Sasabe on April 21, 1925.*

**Astrophytum capricorne** (Dietrich) Britton & Rose. GOAT'S HORN CACTUS.

**Astrophytum myriostigma** Lemaire. BISHOP'S CAP.

**Astrophytum ornatum** (DeCandolle) Weber. STAR CACTUS; MONK'S HOOD.

#### **Austrocephalocereus**

**Austrocephalocereus albicephalus** Buining and Brederoo.

**Austrocephalocereus dolichospermaticus** Buining and Brederoo.

**Austrocephalocereus dybowskii** (Gosselin) Backeberg. CABECA BRANCA; MANDACARU DE PENACHO.

**Austrocephalocereus estevesii** Buining and Brederoo.

**Austrocephalocereus purpureus** (Gurke) Backeberg.

#### **Austrocyllindropuntia**

**Austrocyllindropuntia inarmata** — see *Opuntia inarmata*.

**Austrocyllindropuntia subulata** — see *Opuntia subulata*.

**Austrocyllindropuntia verschaffeltii** — see *Opuntia verschaffeltii*.

**Austrocyllindropuntia vestita** — see *Opuntia vestita*.

#### **Aylostera**

**Aylostera** spp. — see *Rebutia*.

#### **Azureocereus**

**Azureocereus hertlingianus** (Backeberg) Backeberg.

**Azureocereus viridis** Rauh & Backeberg.

#### **Backebergia**

**Backebergia chrysomallus** — see *Backebergia militaris*.

**Backebergia militaris** (Audot) H. Bravo. GRENADIER'S CAP; TEDDY BEAR CACTUS.

#### **Bartschella**

**Bartschella schumannii** — see *Mammillaria schumannii*.

#### **Bergerocactus**

**Bergerocactus emoryi** (Engelmann) Britton & Rose. VELVET CACTUS; PROHIBITION CACTUS.

#### **Bolivocereus**

**Bolivocereus samaipatanus** — see *Borzicactus samaipatanus*.

#### **Borzicactus**

**Borzicactus aurantiacus** (Vaupel) Kimmach & Hutch.

**Borzicactus aureiflorus** (Ritter) Donald.

**Borzicactus aureispinus** (Ritter) Rowley. GOLDEN MONKEY-TAIL.

**Borzicactus chlorocarpus**

**Borzicactus fossulatus** (Labouret) Kimmach. MOUNTAIN CEREUS.

**Borzicactus haynei** (Otto) Kimmach.

**Borzicactus hempelianus** var. **rettigii** (Quel.) Donald.

**Borzicactus hempelianus** (Gurke) Donald var. **spinosissimus** (Ritter) Donald.

**Borzicactus icosagonus** (H.B.K.) Britton & Rose.

**Borzicactus intertextus** (Ritter) Donald.

**Borzicactus margaritanus**

**Borzicactus myriacanthus**

**Borzicactus paucicostatus** (Ritter) Donald.

**Borzicactus plagiostoma** Britton & Rose.

**Borzicactus ritteri** (Buining) Donald.

**Borzicactus roseiflorus**

**Borzicactus samaipatanus** (Cardenas) Kimmach. BOLIVIAN FIRE FLOWER.

**Borzicactus trollii** (Kupper) Kimmach. OLD MAN OF THE MOUNTAINS.

**Borzicactus variabilis**

**Borzicactus weberbaueri** (Vaupel) Donald.

#### **Brachycalycium**

**Brachycalycium tilcarensis** (Backeberg) Backeberg.

#### **Brasilicactus**

**Brasilicactus graessneri** — see *Notocactus graessneri*.

**Brasilicactus haselbergii** — see *Notocactus haselbergii*.

#### **Browningia**

**Browningia hertlingianus** — see *Azureocereus hertlingianus*.

**Browningia viridis** — see *Azureocereus viridis*.

#### **Buiningia**

**Buiningia aurea** (Ritter) Buxbaum.

**Buiningia purpurea** Buining & Brederoo.

#### **Calymnanthium**

**Calymnanthium substerile** Ritter.

#### **Carnegiea**

**Carnegiea gigantea** (Engelmann) Britton & Rose. SAGUARO.

#### **Cephalocereus**

**Cephalocereus alensis** — see *Pilosocereus alensis*.

**Cephalocereus apicicephalium** — see *Neodawsonia apicicephalium*.

**Cephalocereus chrysomallus** — see *Backebergia militaris*.

**Cephalocereus euphorbioides** — see *Neobuxbaumia euphorbioides*.

**Cephalocereus hoppenstedtii** (Weber) K. Schumann. CARDON BLANCO.

**Cephalocereus leucocephalus** — see *Pilosocereus leucocephalus*.

**Cephalocereus maxonii** — see *Pilosocereus maxonii*.

**Cephalocereus mezcalensis** — see *Neobuxbaumia mezcalensis*.

**Cephalocereus palmeri** — see *Pilosocereus palmeri*.

**Cephalocereus polylophus** — see *Neobuxbaumia polylopha*.

**Cephalocereus purpusii** — see *Pilosocereus purpusii*.

**Cephalocereus royenii** — see *Pilosocereus royenii*.

**Cephalocereus russelianus** — see *Subpilocereus russelianus*.

**Cephalocereus scoparius** — see *Neobuxbaumia scoparia*.

**Cephalocereus senilis** (Haworth) Pfeiffer. OLD MAN CACTUS; VIEJO.

**Cephalocereus tetetzo** — see *Neobuxbaumia tetetzo*.

#### **Cereus**

**Cereus aethiops** Haworth

**Cereus alamosensis** — see *Stenocereus alamosensis*.

**Cereus azureus** Parmentier.

**Cereus comarapanus** Cardenas.

**Cereus giganteus** — see *Carnegiea gigantea*.

**Cereus hankeanus** Weber.

**Cereus hexagonus** (Linnaeus) Miller. SOUTH AMERICAN BLUE COLUMN; BLUE CEREUS.

**Cereus peruvianus** (Linnaeus) Miller var. **monstrosus**

DeCandolle. CURIOSITY CACTUS.

**Cereus schottii** — see *Lophocereus schottii*.

**Cereus tetragonus** (Linnaeus) Miller.

#### **Chamaecereus**

**Chamaecereus silvestrii** — see *Lobivia silvestrii*.

#### **Cleistocactus**

**Cleistocactus ayopayanus** Cardenas.

**Cleistocactus buchtienii** Backeberg.

**Cleistocactus candelilla** Cardenas. SMALL CANDLE IN THE ANDES.

**Cleistocactus chacoanus** Ritter.

**Cleistocactus hildewintera** Ritter.

**Cleistocactus hyalacanthus** (K. Schumann) Gosselin. SILVER TORCH.

**Cleistocactus jujuyensis** (Backeberg) Backeberg. SILVER TORCH.

**Cleistocactus ritteri** Backeberg.

**Cleistocactus strausii** (Heese) Backeberg. SILVER TORCH.

#### **Cochemiea**

**Cochemiea pondii** — see *Mammillaria pondii*.

*Cochemia poselgeri* — see *Mammillaria poselgeri*.

*Cochemia setispina* — see *Mammillaria setispina*.

### **Coleocephalocereus**

**Coleocephalocereus goebelianus** (Vaupel) Ritter ex Backeberg.

### **Copiapoa**

**Copiapoa cinerea** (Phil.) Britton & Rose var. **albspina** Ritter.

**Copiapoa cinerea** var. **columna-alba** [Ritter] Backeberg.

**Copiapoa coquimbiana** [Karwinsky] Britton & Rose var. **coquimbiana**.

**Copiapoa coquimbiana** var. **wagenknechtii** Ritter.

**Copiapoa cupreata** (Poselger) Backeberg.

**Copiapoa dura** Ritter.

**Copiapoa haseltoniana** Backeberg.

**Copiapoa humilis** (Phil.) Hutch.

**Copiapoa lembckeii** Backeberg.

**Copiapoa militaris**

**Copiapoa minuta**

**Copiapoa tenuissima** Ritter.

### **Coryphantha**

**Coryphantha asterias** (Cels) Boedeker.

**Coryphantha borwigi** J.A. Purpus.

**Coryphantha calipensis** H. Bravo.

**Coryphantha clava** (Pfeiffer) Lemair.

**Coryphantha elephantidens** (Lemaire) Lemaire. ELEPHANT-TOOTH CACTUS.

**Coryphantha erecta** (Lemaire) Lemaire.

**Coryphantha greenwoodii** H. Bravo.

**Coryphantha macromeris** (Engelmann) Orcutt var.

**runyonii** (Britton & Rose) L. Benson. DUMPLING CACTUS.

**Coryphantha missouriensis** (Sweet) Britton & Rose.

**Coryphantha nickelsae** K. Brandege.

**Coryphantha cornifera** (DeCandolle) Lemaire var. **echinus** Engelmann.

**Coryphantha odorata** Boedeker.

**Coryphantha palmeri** Britton & Rose.

**Coryphantha poselgeriana** (Dietrich) Britton & Rose.

**Coryphantha recurvata** (Engelmann) Britton & Rose.

**Coryphantha reduncuspina** Boedeker.

**Coryphantha retusa** (Pfeiffer) Britton & Rose.

**Coryphantha robertii** Berger. JUNIOR TOM THUMB CACTUS.

**Coryphantha salm-dyckiana** (Scheer) Britton & Rose.

**Coryphantha strobiliformis** (Quebel) Britton & Rose.

**Coryphantha vivipara** (Nuttall) Engelmann. SPINY STAR, BALL CACTUS; SOUR CACTUS; BEEHIVE; ESTRIA DEL TARDE.

### **Cryptocereus**

**Cryptocereus anthonyanus** Alexander. RICK RACK CACTUS.

### **Cylindropuntia**

*Cylindropuntia* spp. — see *Opuntia* spp.

### **Deamia**

*Deamia testudo* — see *Selenicereus testudo*.

### **Denmoza**

**Denmoza erythrocephala** (K. Schumann) Berger.

**Denmoza rhodacantha** (Salm-Dyck) Britton & Rose.

### **Discocactus**

**Discocactus magnimammus** Buining & Brederoo.

### **Dolichothele**

*Dolichothele longimamma* — see *Mammillaria longimamma*.

*Dolichothele sphaerica* — see *Mammillaria sphaerica*.

*Dolichothele surculosa* — see *Mammillaria surculosa*.

### **Echinocactus**

**Echinocactus grusonii** Heldmann. GOLDEN BARREL.

**Echinocactus horizontalonius** Lemaire. TURK'S HEAD; DEVIL'S HEAD; EAGLE'S CLAWS; HORSE MAIMER; BISNAGRE; BISNAGA DE DULCE; BISNAGA MELONCILLO.

**Echinocactus platyacanthus** Link & Otto.

**Echinocactus polycephalus** Engelmann & Bigelow. MANY-HEADED BARREL; HAREM CACTUS.



*Pediocactus paradinei*, a rare cactus with long hair-like spines, described as new to science by Arboretum botanist Bernard Benson.

### **Echinocereus**

**Echinocereus acifer** (Otto) Lemaire.

**Echinocereus adustus** Engelmann.

**Echinocereus barthelowanus** Britton & Rose.

**Echinocereus berlandieri** Englemann var. **papillosus** (Linke) L. Benson. YELLOW-FLOWERED ALICOCHÉ.

**Echinocereus blanckii** (Poselger) Palmer. DEVIL'S FINGER; ALICOCHÉ.

**Echinocereus blanckii** (Poselger) Palmer var. **berlandieri** (Poselger) Backeberg.

**Echinocereus blanckii** var. **leonensis** (Matths.) Backeberg.

**Echinocereus brandegeei** (Coulter) K. Schumann.

**Echinocereus cinerascens** (DeCandolle) Rümpler.

**Echinocereus delaetii** Gurke. LESSER OLD MAN; OLD LADY.

**Echinocereus engelmannii** (Parry) Rümpler var.

**engelmannii**. STRAWBERRY HEDGEHOG.

**Echinocereus engelmannii** var. **nicholii** L. Benson. GOLDEN HEDGEHOG.

**Echinocereus enneacanthus** var. **dubius** (Engelmann) L. Benson.

**Echinocereus enneacanthus** Engelmann var. **enneacanthus**. WARTY HEDGEHOG; STRAWBERRY CACTUS; PITAHAYA.

**Echinocereus enneacanthus** var. **stramineus** (Engelmann) L. Benson. SPINE-MOUND; STRAWBERRY CACTUS.

**Echinocereus fasciculatus** var. **bonkeræ** (Thornber & Bonker) L. Benson. SHORT-SPINED STRAWBERRY CACTUS.

**Echinocereus fasciculatus** var. **boyce-thompsonii** (Orcutt) L. Benson. BOYCE THOMPSON'S HEDGEHOG.

**Echinocereus fasciculatus** (Engelmann) L. Benson var. **fasciculatus**.

**Echinocereus fendleri** (Engelmann) Rümpler. PURPLE HEDGEHOG; SITTING CACTUS; FENDLER'S PITAYA.

**Echinocereus ferreirianus** Gates.

**Echinocereus fobeanus** Oehme.

**Echinocereus grandis** Britton & Rose.

**Echinocereus huitcholensis** (Weber) Gurke.

**Echinocereus knippelianus** Liebn.

**Echinocereus lauii** Frank.

**Echinocereus ledingii** Peebles.

**Echinocereus lindsayii**

**Echinocereus lloydii** Britton & Rose.

**Echinocereus longisetus** (Engelmann) Rümpler.

**Echinocereus maritimus** (Jones) K. Schumann.

**Echinocereus merkeri** Hildmann.

**Echinocereus morricalii** Riha.

**Echinocereus nivosus** Glass & Foster.

**Echinocereus pacificus** (Engelmann) Britton & Rose.

**Echinocereus pectinatus** var. **neomexicanus** (Coulter) L. Benson. NEW MEXICO RAINBOW HEDGEHOG.

**Echinocereus pectinatus** (Scheidweiler) Englemann var. **pectinatus**. NEW MEXICO RAINBOW HEDGEHOG.

**Echinocereus pectinatus** (Scheidweiler) Englemann var.

- pectinatus**. COMB HEDGEHOG.  
**Echinocereus pectinatus** var. **rigidissimus** (Engelmann) Rümpler. ARIZONA RAINBOW HEDGEHOG; CABEZA DEL VIEJO.  
**Echinocereus pectinatus** var. **rubispinus** A. Lau. *Echinocereus pensilis* — see *Morangaya pensilis*.  
**Echinocereus pentalophus** (DeCandolle) Rümpler. ALICOCHE; LADY-FINGER CACTUS.  
**Echinocereus pulchellus** (Martius) K. Schumann.  
**Echinocereus reichenbachii** (Terscheck) Haage Jr. LACE CACTUS.  
**Echinocereus salm-dyckianus** Scheer.  
**Echinocereus scheeri** (Salm-Dyck) Rümpler.  
**Echinocereus schwarzii** Lau.  
**Echinocereus subinermis** Salm-Dyck. var. **luteus** (Britton & Rose) Backeberg.  
**Echinocereus tayopensis** Marsh.  
**Echinocereus triglochidiatus** var. **arizonicus** (Rose) L. Benson. GIANT CLARET CUP.  
**Echinocereus triglochidiatus** var. **gonacanthus** (Engelmann & Bigelow) L. Benson.  
**Echinocereus triglochidiatus** var. **gurneyii** L. Benson.  
**Echinocereus triglochidiatus** Engelmann var. **triglochidiatus**. CLARET CUP CACTUS; KING'S CUP CACTUS.  
**Echinocereus tulensis** Bravo.  
**Echinocereus viereckii** Werdermann.  
**Echinocereus viridiflorus** Engelmann. GREEN-FLOWERED HEDGEHOG; NYLON CACTUS.  
**Echinocereus websterianus** Lindsay.  
**Echinocereus weinbergii** Weingart. ELEPHANT HEDGEHOG.
- Echinofossulocactus**
- Echinofossulocactus lloydii** Britton & Rose. BRAIN CACTUS.  
**Echinofossulocactus violaciflorus** (Quehl.) Britton & Rose.  
**Echinofossulocactus zacatecasensis** Britton & Rose.
- Echinomastus**
- Echinomastus erectocentrus* — see *Neolloydia erectocentrus*.  
*Echinomastus johnsonii* — see *Neolloydia johnsonii*.  
*Echinomastus macdowellii* — see *Thelocactus macdowellii*.  
**Echinomastus unguispinus** (Engelmann) Britton & Rose var. **lauri** (Frank & Zecher) Glass & Foster.

### Echinopsis

- Echinopsis calochlora** K. Schumann. SHINING BALL CACTUS.  
**Echinopsis eyriesii** (Turpin) Zuccarini.  
**Echinopsis hammerschmidii** Cardenas.  
**Echinopsis** hybrid '**Apricot Delight**'  
**Echinopsis** hybrid '**Atomic**'  
**Echinopsis** hybrid '**Best Orange**'  
**Echinopsis** hybrid '**Betelgeuse**'  
**Echinopsis** hybrid '**Black Comet**'  
**Echinopsis** hybrid '**China Doll**'  
**Echinopsis** hybrid '**Choice**'  
**Echinopsis** hybrid '**Dark Eyes**'  
**Echinopsis** hybrid '**Delight**'  
**Echinopsis** hybrid '**Forty Niner**'  
**Echinopsis** hybrid '**Gate's Yellow**'  
**Echinopsis** hybrid '**Goldie**'  
**Echinopsis** hybrid '**Hermann's Cameo**'  
**Echinopsis** hybrid '**Kate Walker**'  
**Echinopsis** hybrid '**Los Angeles**'  
**Echinopsis** hybrid '**Mars**'  
**Echinopsis** hybrid '**Mary Patricia**'  
**Echinopsis** hybrid '**Moonbeam**'  
**Echinopsis** hybrid '**Morgenzuber**'  
**Echinopsis** hybrid '**Morning Glory**'  
**Echinopsis** hybrid '**Orange Glory**'  
**Echinopsis** hybrid '**Orange Paramount**'  
**Echinopsis** hybrid '**Pacific Sunset**'  
**Echinopsis** hybrid '**Peach Monarch**'  
**Echinopsis** hybrid '**Peppermint**'

- Echinopsis** hybrid '**Red Meteor**'  
**Echinopsis** hybrid '**Salmon Queen**'  
**Echinopsis** hybrid '**Scarlet O'Hara**'  
**Echinopsis** hybrid '**Stars and Stripes**'  
**Echinopsis** hybrid '**Sun King**'  
**Echinopsis** hybrid '**Tangerine**'  
**Echinopsis** hybrid '**Terra Cotta**'  
**Echinopsis** hybrid '**Tropic Sunset**'  
**Echinopsis** hybrid '**Watermelon**'  
**Echinopsis** hybrid '**White Knight**'  
**Echinopsis leucantha** (Gillies) Walp. ROSE EASTER LILY CACTUS.  
**Echinopsis mamillosa** Gurke.  
**Echinopsis multiplex** (Pfeiffer) Zuccarini. EASTER LILY CACTUS.  
**Echinopsis obrepanda** (Salm-Dyck) K. Schumann. VIOLET EASTER LILY CACTUS.  
**Echinopsis oxygona** (Link) Zuccarini. RED EASTER LILY CACTUS.  
**Echinopsis parryi**  
**Echinopsis pereziensis** Cardenas.  
**Echinopsis rhodotricha** K. Schumann.  
**Echinopsis semidenudata** Cardenas.  
**Echinopsis tucumanensis** Backeberg.  
**Echinopsis turbinata** (Pfeiffer) Zuccarini.  
**Echinopsis uruguayensis**

### Encephalocarpus

- Encephalocarpus strobiliformis** (Werdermann) Berger.  
**Epiphyllum**

- Epiphyllum oxypetalum** (DeCandolle) Haworth. QUEEN OF THE NIGHT; REINA DE LA NOCHE; FLOR DE BAILE.

- Epiphyllum** hybrids — ORCHID CACTI

### Eriocactus

- Eriocactus leninghausii* — see *Notocactus leninghausii*.  
*Eriocactus magnificus* — see *Notocactus magnificus*.  
*Eriocactus nigrispinus* — see *Notocactus nigrispinus*.  
*Eriocactus schumannianus* — see *Notocactus schumannianus*.  
*Eriocactus warasii* — see *Notocactus warasii*.

### Eriocereus

- Eriocereus guelichii** (Spegazzini) Berger.  
**Eriocereus jusbertii** (Rebut) Riccobono.  
**Eriocereus martinii** (Labouret) Riccobono.

### Escobaria

- Escobaria runyonii* — see *Coryphantha macromeris* var. *runyonii*.

### Escontria

- Escontria chiotilla** (Weber) Rose. QUIOTILLA; JIOTILLA; CHIOTILLA; TUNA.

### Espostoa

- Espostoa hylaea** Ritter.  
**Espostoa lanata** (H.B.K.) Britton & Rose. PERUVIAN OLD MAN; COTTON BALL; SOROCO; PISCOL COLORADO.  
**Espostoa laticornua** Rauh & Backeberg.  
**Espostoa melanosteale** (Vaupel) Borg. SNOW POLE.  
**Espostoa mirabilis** Ritter.  
**Espostoa nana** Ritter.  
**Espostoa ritteri** Buining.

### Eulychnia

- Eulychnia acida** Philbrick. TUNA DE COBADO.  
**Eulychnia aricensis** Ritter.  
**Eulychnia taltalensis** Ritter.

### Facheiroa

- Facheiroa ulei** (Gurke) Werdermann.

### Ferocactus

- Ferocactus acanthodes** Lemaire) Britton & Rose var. **acanthodes**. CALIFORNIA BARREL; COMPASS BARREL.  
**Ferocactus acanthodes** var. **eastwoodiae** L. Benson. GOLDEN COMPASS BARREL.  
**Ferocactus acanthodes** var. **lecontei** (Engelmann) Lindsay.  
**Ferocactus alamosanus** Britton & Rose.  
**Ferocactus chrysacanthus** (Orcutt) Britton & Rose. CEDROS ISLAND BARREL.

**Ferocactus covillei** (Britton & Rose) Berger. TRAVELER'S FRIEND;  
COVILLE'S BARREL.  
**Ferocactus diguetii** (Weber) Britton & Rose.  
**Ferocactus fordii** (Orcutt) Britton & Rose.  
**Ferocactus gatesii** Lindsay.  
**Ferocactus glaucescens** (DeCandolle) Britton & Rose. BLUE  
BARREL.  
**Ferocactus gracilis** var. **coloratus** (Gates) Lindsay.  
**Ferocactus gracilis** Gates var. **gracilis**. FIRE BARREL.  
**Ferocactus haematacanthus** Borg.  
**Ferocactus hamatacanthus** TEXAS LONGHORN; BISNAGA  
ESPINOSA; BISNAGA GANCHUDA; BISNAGA LIMILLA; BISNAGA DE TUNA;  
BISNAGA CASTILLONA.  
**Ferocactus histrix** (DeCandolle) Lindsay.  
**Ferocactus latispinus** (Haworth) Britton & Rose. CROWS CLAWS.  
**Ferocactus macrodiscus** (Martius) Britton & Rose. PLATTER  
BARREL.  
**Ferocactus peninsulae** (Weber) Britton & Rose. BAJA BARREL.  
**Ferocactus pottsii** (Salm-Dyck) Backeberg.  
**Ferocactus rectispinus** (Engelmann) Britton & Rose.  
**Ferocactus recurvus** var. **greenwoodiae** Glass.  
**Ferocactus recurvus** (Miller) Berger var. **recurvus**.  
**Ferocactus robustus** (Link & Otto) Britton & Rose.  
**Ferocactus schwarzii** Lindsay.  
**Ferocactus setispinus** TWISTED-RIB CACTUS; STRAWBERRY CACTUS.  
**Ferocactus stainesii** (Hooker) Britton & Rose.  
**Ferocactus townsendianus** Britton & Rose.  
**Ferocactus viridescens** (Torrey & Gray) Britton & Rose.  
**Ferocactus wislizenii** (Engelmann) Britton & Rose. FISHHOOK  
BARREL; SOUTHWESTERN BARREL; CANDY BARREL; VISNAGA; BISNAGA.

#### Frailea

**Frailea pumila** (Lemaire) Britton & Rose.

#### Grusonia

*Grusonia bradtiana* — see *Opuntia bradtiana*.  
*Grusonia hamiltonii* — see *Opuntia hamiltonii*.  
*Grusonia rosarica* — see *Opuntia rosarica*.

#### Gymnocactus

**Gymnocactus horripilus** (Lemaire) Backeberg.  
*Gymnocactus valdezius* — see *Turbinicarpus valdezius*.

#### Gymnocalycium

**Gymnocalycium anisitsii** (K. Schumann) Britton & Rose.  
**Gymnocalycium artigas** Hert.  
**Gymnocalycium baldianum** (Spegazzini) Hoss. RED CHIN  
CACTUS.  
**Gymnocalycium bicolor** Schutz.  
**Gymnocalycium bruchii** (Spegazzini) Hoss. WHITE LACE  
CACTUS.  
**Gymnocalycium capillaense** (Schickendantz) Backeberg.  
**Gymnocalycium cardenasianum** Ritter.  
**Gymnocalycium chiquitanum** Cardenas.  
**Gymnocalycium chubutense** (Spegazzini) Spegazzini.  
**Gymnocalycium damsii** (K. Schumann) Britton & Rose. DAM'S  
CHIN CACTUS.  
**Gymnocalycium denudatum** (Link & Otto) Pfeiff. SPIDER  
CACTUS.  
**Gymnocalycium eurypleurum** Ritter.  
*Gymnocalycium eytianum* — see *Gymnocalycium pflanzii* var.  
*eytianum*.  
**Gymnocalycium fleischerianum** Backeberg.  
**Gymnocalycium gibbosum** (Haworth) Pfeiffer.  
**Gymnocalycium glaucum** Ritter.  
**Gymnocalycium griseo-pallidum** Backeberg.  
**Gymnocalycium hamatum** Ritter.  
**Gymnocalycium horridispinum** Frank.  
**Gymnocalycium hybopleurum** (K. Schumann) Backeberg.  
**Gymnocalycium hyptiacanthum** (Lemaire) Britton & Rose.  
**Gymnocalycium leeanum** (Hooker) Britton & Rose.  
**Gymnocalycium mihanovichii** (Fric & Gürke) Britton &



*Arboretum propagator and cactus expert Fritz Berger in June, 1931.*

Rose. ROSE PLAID CACTUS.

**Gymnocalycium monvillei** (Lemaire) Britton & Rose.  
**Gymnocalycium mostii** (Gurke) Britton & Rose.  
**Gymnocalycium multiflorum** (Hooker) Britton & Rose.  
**Gymnocalycium nigriareolatum** Backeberg.  
**Gymnocalycium oenanthemum** Backeberg.  
**Gymnocalycium pflanzii** var. **eytianum** (Cardenas)  
Donald.  
**Gymnocalycium pflanzii** (Vaupel) Werdermann var.  
**zeggarae** (Cardenas) Donald.  
**Gymnocalycium quehlianum** (Haage Jr.) Berger.  
**Gymnocalycium ragonessii** Castaneda.  
**Gymnocalycium saglione** (Cels) Britton & Rose. GIANT CHIN  
CACTUS.  
**Gymnocalycium schickendantzii** Weber var. **delaetti**  
(K. Schumann) Backeberg. WHITE CHIN CACTUS.  
**Gymnocalycium schroederianum** Osten.  
**Gymnocalycium sigelianum** (Schickendantz) Berger.  
**Gymnocalycium spegazzinii** Britton & Rose.  
*Gymnocalycium tilcarensis* — see *Brachycalycium tilcarensis*.  
**Gymnocalycium tillianum** Rausch.  
**Gymnocalycium uebelmannianum** Rausch.  
**Gymnocalycium uruguayense** (Arechavaleta) Britton &  
Rose.  
**Gymnocalycium valnicekianum** Jajo.  
**Gymnocalycium vatteri** Buining.



*Gymnocalycium zegarrae* — see *Gymnocalycium pflanzii* var. *zegarrae*.

### Haageocereus

**Haageocereus akersii** Backeberg.

**Haageocereus chrysacanthus** (Akers) Backeberg. GOLDEN FOXTAIL.

### Hamatocactus

*Hamatocactus hamatacanthus* — see *Ferocactus hamatacanthus*.

*Hamatocactus setispinus* — see *Ferocactus setispinus*.

### Harrisia

**Harrisia earlei** Britton & Rose.

**Harrisia fragrans** Small.

**Harrisia portoricensis** Britton.

**Harrisia simpsonii** Small.

### Hatiora

**Hatiora salicornioides** (Haworth) Britton & Rose. DRUNKARD'S DREAM.

### Heliabrava

**Heliabrava chende** (Gosselin) Backeberg. CHENDE, CHENTE, CHINOA.

### Hildewintera

*Hildewintera aureispina* — see *Borzicactus aureispinus*.

### Homalocephala

**Homalocephala texensis** (Hopffer) Britton & Rose. HORSE CRIPPLER; DEVIL'S HEAD; MANCO CABALLO; VIZNAGA.

### Hylocereus

**Hylocereus undatus** (Haworth) Britton & Rose. QUEEN OF THE NIGHT; PITAHAYA OREJONA; JUNCO TAPATIO; CHACAM, ZACAMB; CHAK-WOB; REINA DE LA NOCHE.

### Isolatocereus

*Isolatocereus dumortieri* — see *Stenocereus dumortieri*.

### Lemaireocereus

*Lemaireocereus beneckeii* — see *Stenocereus beneckeii*.

*Lemaireocereus chende* — see *Heliabrava chende*.

*Lemaireocereus dumortieri* — see *Stenocereus dumortieri*.

*Lemaireocereus griseus* — see *Stenocereus griseus*.

*Lemaireocereus hollianus* — see *Pachycereus hollianus*.

*Lemaireocereus marginatus* — see *Stenocereus marginatus*.

*Lemaireocereus montanus* — see *Stenocereus montanus*.

*Lemaireocereus queretaroensis* — see *Stenocereus queretaroensis*.

*Lemaireocereus stellatus* — see *Stenocereus stellatus*.

### Leptocereus

**Leptocereus quadricostatus** (Bello) Britton & Rose. SERUCAN.

### Leuchtenbergia

**Leuchtenbergia principis** Hooker. PRISM CACTUS; AGAVE CACTUS.

### Lobivia

**Lobivia aurea** (Britton & Rose) Backeberg. GOLDEN COB CACTUS.

**Lobivia aurea** var. **leucomalla** GOLDEN LILY CACTUS.

**Lobivia backebergii** (Werdermann) Backeberg. CARMINE COB CACTUS.

**Lobivia chrysantha** (Werdermann) Backeberg. var. **jajoiana** (Backeberg) Rausch.

**Lobivia ferox** Britton & Rose.

**Lobivia formosa** (Pfeiffer) Dodds. ssp. **bruchii** (Britton & Rose) Rausch.

**Lobivia formosa** var. **kieslingii** Rausch.

**Lobivia huascha** (Weber) Marsh.

**Lobivia huascha** var. **crassicaulis** (Backeberg) Rausch.

**Lobivia huascha** var. **grandiflora** (Britton & Rose) Rausch.

**Lobivia** hybrid 'Firechief'

**Lobivia** hybrid 'Little Red Riding Hood'

**Lobivia lateritia** (Gurke) Britton & Rose.

**Lobivia pampana** Britton & Rose.

**Lobivia pentlandii** (Hooker) Britton & Rose.

**Lobivia pentlandii** var. **larae** (Cardenas) Rausch.

**Lobivia silvestrii** (Spegazzini) Rowley. PEANUT CACTUS.

**Lobivia tiegeliana** Wessn.

### Lophocereus

**Lophocereus gatesii** M. E. Jones.

**Lophocereus schottii** var. **australis** (K. Brandege) Borg.

**Lophocereus schottii** fma. **mieckleyanus** Lindsay.

**Lophocereus schottii** fma. **monstruosus** Lindsay. TOTEM POLE.

**Lophocereus schottii** (Engelmann) Britton & Rose var.

**schottii**. ARIZONA OLD MAN; SENITA; SINITA; MOCHI; GARAMBUYO; TUNA BARBONA; VIEJO; SINA; CINA.

### Loxanthocereus

**Loxanthocereus nanus** (Akers) Backeberg.

### Machaerocereus

*Machaerocereus eruca* — see *Stenocereus eruca*.

*Machaerocereus gummosus* — see *Stenocereus gummosus*.

### Malacocarpus

**Malacocarpus tephacanthus** — see *Notocactus tephacanthus*.

### Mammillaria

**Mammillaria albicans** Berger.

**Mammillaria albicoma** Boedeker.

**Mammillaria albilanata** Backeberg.

**Mammillaria angelensis** Craig.

**Mammillaria armillata** K. Brandege.

**Mammillaria aureiceps** Lemaire.

**Mammillaria aureilanata** Backeberg. GOLDEN FLEECE.

**Mammillaria aurihamata** Boedeker. YELLOW-HOOK CUSHION.

**Mammillaria backebergiana** Buchenau.

**Mammillaria baumii** Boedeker. BUTTERCUP PINCUSHION.

**Mammillaria baxteriana** (Gates) Boedeker.

**Mammillaria beiselii** Diers.

**Mammillaria bella** Backeberg.

**Mammillaria blossfeldiana** Boedeker.

**Mammillaria bocasana** Poselger. POWDER PUFF

**Mammillaria bocensis** Craig.

**Mammillaria boolii** Lindsay.

**Mammillaria bombycina** Quehl. SILKEN PINCUSHION.

**Mammillaria brandegeei** (Coulter) Brandege.

**Mammillaria camptotricha** Dams. BIRD'S NEST.

**Mammillaria canelensis** Craig.

**Mammillaria candida** Scheidweiler. SNOWBALL.

**Mammillaria carmenae** Castaneda.

**Mammillaria carnea** Zuccarini.

**Mammillaria carrettii** Rebut.

**Mammillaria cerralboa** (Britton & Rose) Orcutt.

**Mammillaria chionocephala** J.A. Purpus.

**Mammillaria collinsii** (Britton & Rose) Orcutt.

**Mammillaria columbiana** Salm-Dyck. GOLDEN PINCUSHION; SOUTH AMERICAN PINCUSHION.

**Mammillaria compressa** DeCandolle. MOTHER-OF-HUNDREDS.

**Mammillaria crinita** DeCandolle.

**Mammillaria crucigera** Martius.

**Mammillaria decipiens** Scheidweiler.

**Mammillaria deherdtiana** Farwig var. **dodsonii** (Bravo) Glass & Foster.

**Mammillaria densispina** (Coulter) Vaupel.

**Mammillaria dioica** K. Brandege.

**Mammillaria discolor** Haworth.

**Mammillaria dixanthocentron** Backeberg.

**Mammillaria duiformis** Craig & Dawson.

**Mammillaria eichlamii** Quehl.

**Mammillaria elongata** DeCandolle. GOLDEN STARS; GOLD LACE CACTUS; LADY'S FINGER.

**Mammillaria eriacantha** Link & Otto.

**Mammillaria erythroperma** Boedeker.

**Mammillaria estebanensis** Lindsay.

**Mammillaria evermanniana** (Britton & Rose) Orcutt.

**Mammillaria fasciculata** Engelm.  
**Mammillaria fittkaui** Glass & Foster.  
**Mammillaria fraileana** (Britton & Rose) Boedeker.  
**Mammillaria geminispora** Haworth. WHITEY.  
**Mammillaria glassii** Foster.  
**Mammillaria glochidiata** Martius. PINK CROWN.  
**Mammillaria gracilis** Pfeiffer. NEEDLE-FINGERS.  
**Mammillaria grusonii** Runge.  
**Mammillaria guelzowiana** Werdermann.  
**Mammillaria guerreronis** (H. Bravo) Backeberg.  
**Mammillaria haageana** Pfeiffer. ROSY CROWN.  
**Mammillaria hahniana** Werdermann. OLD LADY CACTUS.  
**Mammillaria hertrichiana** Craig.  
**Mammillaria heyderi** Muhlenpfordt var. **hemisphaerica**  
 Engelm. TEXAS PINCUSHION; LITTLE CHILIS; BISNAGITA DE CHILITOS.  
**Mammillaria heyderi** var. **macdougallii** (Rose) L. Benson.  
 CREAM CACTUS.  
**Mammillaria humboldtii** Ehrenberg.  
**Mammillaria johnstonii** (Britton & Rose) Orcutt.  
**Mammillaria karwinskiana** Martius.  
**Mammillaria kewensis** Salm-Dyck.  
**Mammillaria klissingiana** Boedeker.  
**Mammillaria lenta** Brandegee.  
**Mammillaria lindsayi** Craig.  
**Mammillaria longiflora** (Britton & Rose) Berger.  
**Mammillaria longimamma** DeCandolle. LONG MAMMA.  
**Mammillaria magnifica** Buchenau.  
**Mammillaria magnimamma** Haworth. MEXICAN PINCUSHION.  
**Mammillaria mainae** K. Brandegee. HORNED TOAD CACTUS.  
**Mammillaria mammillaris** (Linnaeus) Karsten.  
**Mammillaria marksiana** Krainz.  
**Mammillaria mathildae** Kraehenbuehl & Krainz.  
**Mammillaria matudae** H. Bravo.  
**Mammillaria mazatlanensis** (Rebut) K. Schumann & Gurke.  
**Mammillaria melanocentra** Poselger.  
**Mammillaria meyranii** H. Bravo.  
**Mammillaria microcarpa** Engelm. FISHHOOK PINCUSHION.  
**Mammillaria microthele** Muhlenpfordt.  
**Mammillaria miegeana** W. H. Earle.  
**Mammillaria mieheana** Tiegel.  
**Mammillaria mollendorffiana** Shurly.  
**Mammillaria muehlenpfordtii** Forst. SHOWY PINCUSHION;  
 BELLY-BUTTON CACTUS.  
**Mammillaria multidigitata** Lindsay.  
**Mammillaria mystax** Martius. BIRTHDAY CAKE CACTUS.  
**Mammillaria nana** Backeberg.  
**Mammillaria nejapensis** Craig & Dawson. SILVER ARROWS.  
**Mammillaria nivosa** Link. SNOWY CACTUS; WOOLLY NIPPLE-CACTUS.  
**Mammillaria obconella** Scheidweiler. RUBY DUMPLING.  
**Mammillaria occidentalis** (Britton & Rose) Boedeker.  
**Mammillaria oteroi** Glass & Foster.  
**Mammillaria parkinsonii** Ehrenberg. OWLS EYES.  
**Mammillaria pennispinosa** Krainz.  
**Mammillaria petrophila** Brandegee.  
**Mammillaria pettersonii** Hildmann.  
**Mammillaria picta** Meinshausen.  
**Mammillaria pitcayensis** H. Bravo.  
**Mammillaria plumosa** Weber. FEATHER CACTUS.  
**Mammillaria polythele** Martius.  
**Mammillaria pondii** Greene.  
**Mammillaria poselgeri** Hildmann.  
**Mammillaria pottsii** Scheer.  
**Mammillaria pringlei** (Coulter) Brandegee.  
**Mammillaria prolifera** (Miller) Haworth. GRAPE CACTUS.  
**Mammillaria pygmaea** (Britton & Rose) Berger.  
**Mammillaria rekoii** (Britton & Rose) Vaupel.  
**Mammillaria rhodantha** Link & Otto. RAINBOW PINCUSHION.



Arboretum scientist Fred Gibson working in the cactus collection in the decade of the 1950's.

**Mammillaria saboae** Glass.  
**Mammillaria sartorii** J. A. Purpus.  
**Mammillaria schumannii** Hildmann.  
**Mammillaria scrippsiana** (Britton & Rose) Orcutt.  
**Mammillaria sempervivi** DeCandolle. STRAWBERRY CACTUS.  
**Mammillaria setispina** Engelm.  
**Mammillaria schiedeana** Ehrenberg.  
**Mammillaria sheldonii** (Britton & Rose) Boedeker.  
**Mammillaria solisioides** Backeberg.  
**Mammillaria sphaerica** Dietrich. BUTTER PINCUSHION.  
**Mammillaria spinosissima** Lemaire. RED-HEADED  
 IRISHMAN.  
**Mammillaria standleyi** (Britton & Rose) Orcutt.  
**Mammillaria schwarzii** Shurly. POWDER PUFF  
**Mammillaria senilis** Salm-Dyck.  
**Mammillaria sonorensis** Craig.  
**Mammillaria sphacelata** Martius.  
**Mammillaria stella-de-tacubaya** Heese.  
**Mammillaria surculosa** Boedeker.  
**Mammillaria swinglei** (Britton & Rose) Boedeker.  
**Mammillaria tayloriorum** Glass & Foster.  
**Mammillaria tetrancistra** Engelm. CALIFORNIA  
 PINCUSHION; CALIFORNIA FISHHOOK CACTUS.  
**Mammillaria uncinata** Zuccarini.  
**Mammillaria vetula** Martius.  
**Mammillaria viridiflora** (Britton & Rose) Boedeker.  
 GREEN-FLOWERED PINCUSHION.  
**Mammillaria wagneriana** Boedeker.  
**Mammillaria wildii** Dietrich. FISHHOOK PINCUSHION.  
**Mammillaria winteriae** Boedeker.  
**Mammillaria woburnensis** Scheer.  
**Mammillaria wrightii** Engelm.  
**Mammillaria xaltiangensis** Sanchez-Mejorada.  
**Mammillaria yaquensis** Craig.

continued on page 27

continued from page 11

**Mammillaria yucatanensis** (Britton & Rose) Orcutt.

**Mammillaria zeilmanniana** Boedeker. RUBY CROWN.

**Mammillaria zephyranthoides** Scheidweiler.

**Mammillopsis**

*Mammillopsis senilis* — see *Mammillaria senilis*.

**Marshallocereus**

*Marshallocereus thurberi* — see *Stenocereus thurberi*.

**Matucana**

*Matucana haynei* — see *Borzicactus haynei*.

*Matucana myriacantha* — see *Borzicactus myriacanthus*.

*Matucana variabilis* — see *Borzicactus variabilis*.

*Matucana weberbaueri* — see *Borzicactus weberbaueri*.

**Melocactus**

**Melocactus azureus** Buining & Brederoo. BLUE TURK'S CAP.

**Melocactus brasiliensis** Frič ex Pazout. CABECA DE FRADE.

**Melocactus caesius** Wendl. TURK'S CAP; TURK'S HEAD.

**Melocactus canescens** Ritter. TURK'S CAP.

**Melocactus ernestii** Vaupel. TURK'S CAP.

**Melocactus macrodiscus** Werdermann. TURK'S CAP.

**Melocactus matanzanus** Werdermann. DWARF TURK'S CAP; MELONES.

**Melocactus neryi** K. Sch. TURK'S CAP.

**Melocactus pachyacantha**

**Melocactus salvadorensis** Werdermann. TURK'S CAP.

**Melocactus violaceus** Pfeiffer. TURK'S CAP.

**Micranthocereus**

**Micranthocereus auri-azureus** Buining & Brederoo.

*Micranthocereus purpureus* — see *Austrocephalocereus purpureus*.

**Mila**

**Mila pugionifera** Rauh & Backeberg.

**Mitrocereus**

**Mitrocereus fulviceps** (Weber) Backeberg.

**Monvillea**

**Monvillea spgazzinii** (Weber) Britton & Rose.

**Morangaya**

**Morangaya pensilis** (K. Brandege) Rowley.

**Morawetzia**

**Morawetzia sericata** Ritter.

**Myrtillocactus**

**Myrtillocactus cochal** (Orcutt) Britton & Rose. DAGGER CACTUS; COCHAL.

**Myrtillocactus geometrizans** (Martius) Console. BLUE MYRTLE; GARAMBULLA; PADRE NUESTRO.

**Neolloydia**

**Neolloydia erectocentra** (Coulter) L. Benson var.

**erectocentra**. PURPLE-SPINED VISNAGITA.

**Neolloydia grandiflora** (Otto) Berger.

**Neolloydia johnsonii** (Parry) L. Benson. PINK-FLOWERED VISNAGITA.

**Neoporteria**

**Neoporteria bulbocalyx** (Werdermann) Donald & Rowley.

**Neoporteria chilensis** (Hildmann) Britton & Rose.

**Neoporteria gerocephala** Y. Ito. OLD WOMAN CACTUS.

**Neoporteria huascensis** (Ritter) Donald & Rowley.

**Neoporteria jussieui** (Monville) Britton & Rose.

**Neoporteria littoralis** Ritter.

**Neoporteria multicolor** Ritter.

**Neoporteria napina** (Phil.) Backeberg.

**Neoporteria napina** (Phil.) Backeberg var. **mitis** (Phil.) Donald & Rowley.

**Neoporteria nigriscoparia** Backeberg.

**Neoporteria paucicostata** (Ritter) Donald & Rowley.

**Neoporteria subgibbosa** (Haworth) Britton & Rose. SOUTH AMERICAN BARREL.

**Neoraimondia**

**Neoraimondia roseiflora** (Werdermann & Backeberg) Backeberg.

**Normanbokea**

*Normanbokea pseudopectinata* — see *Turbincarpus pseudopectinatus*.

*Normanbokea valdeziana* — see *Turbincarpus valdezianus*.

**Neobesseyia**

*Neobesseyia missouriensis* — see *Coryphantha missouriensis*.

**Neobinghamia**

**Neobinghamia climaxantha** (Werdermann) Backeberg.

**Neobuxbaumia**

**Neobuxbaumia euphorbioides** (Haworth) F. Buxbaum.

**Neobuxbaumia mezcalensis** (H. Bravo) Backeberg.

**Neobuxbaumia polylopha** (DeCandolle) Backeberg. AZTEC COLUMN.

**Neobuxbaumia scoparia** (Poselger) Backeberg.

**Neobuxbaumia tetetzo** (Weber) Backeberg. TETETZO; TETECHÉ; CARDON; HIGOS DE TETECHÉ.

**Neocardenasia**

**Neocardenasia herzogiana** Backeberg. RED TORCH.

**Neochilenia**

*Neochilenia hauscensis* — see *Neoporteria huascensis*.

*Neochilenia mitis* — see *Neoporteria napina* var. *mitis*.

*Neochilenia napina* — see *Neoporteria napina*.

*Neochilenia paucicostata* — see *Neoporteria paucicostata*.

**Neodawsonia**

**Neodawsonia apicicephalum** (Dawson) Backeberg.

**Neoevansia**

**Neoevansia striata** (Brandege) H. Sanchez-Mejorada. DAHLIA CACTUS; PITAYITA; PITAHUYITA; SARAMATRACA; JARAMATACA; CARDONCILLO.

**Neogomesia**

*Neogomesia agavoides* — see *Ariocarpus agavoides*.

**Notocactus**

**Notocactus acutus** Ritter.

**Notocactus allosiphon** Marchesi.

**Notocactus arachnites** Ritter.

**Notocactus apricus** (Arechavaleta) Berger. BALL CACTUS; SUN CUP.

**Notocactus buenekeri** (Buining) Buxbaum.

**Notocactus buiningii** Buxbaum.

**Notocactus carambeiensis** Buining & Berderoo.

**Notocactus claviceps** (Ritter) Krainz.

**Notocactus concinnus** (Monville) Berger. SUN CUPS.

**Notocactus corynodes** (Otto) Krainz.

**Notocactus elegans**

**Notocactus erinaceus** (Haworth) Krainz.

**Notocactus floricomus** (Arechavaleta) Berger.

**Notocactus fuscus** Ritter.

**Notocactus glaucinus** Ritter.

**Notocactus graessneri** (K. Schumann) Berger.

**Notocactus haselbergii** (F. Haage) Berger. SCARLET CROWN; SCARLET BALL; WHITE-WEB BALL.

**Notocactus herteri** Werdermann.

**Notocactus horstii** Ritter.

**Notocactus leninghausii** (Haage Jr.) Berger. GOLDEN BALL; GOLDFINGER CACTUS.

**Notocactus leprosorium** (Ritter) Theunissen.

**Notocactus linkii** (Lehman) Hert.

**Notocactus magnificus** (Ritter) Krainz.

**Notocactus mammulosus** (Lemaire) Berger. LEMON CROWN; LEMON BALL.

**Notocactus minimus** Frič & Krzgr.

**Notocactus mueller-melchersii** Frič ex Backeberg.

**Notocactus mugelianus**

**Notocactus multicosatus** Buining & Brederoo.

**Notocactus muricatus** (Otto) Berger.

**Notocactus nigrispinus** (K. Schumann) Buining.

**Notocactus orthacanthus** (Link & Otto) van Vliet.

**Notocactus ottonis** (Lehmann) Berger var. **ottonis**. INDIAN HEAD CACTUS.

**Notocactus ottonis** var. **venclusianus** Schumann.

**Notocactus rauschii** van Vliet.

**Notocactus rutilans** Daen. & Krainz. PINK BALL.

**Notocactus scopa** (Spreng.) Berger. SILVER BALL.

**Notocactus selowii** (Link & Otto) Theunissen.

**Notocactus sessiliflorus** (Hooker) Krainz.

**Notocactus schlosseri** van Vliet.

**Notocactus schumannianus** (Nicolai) Berger. CITRON BALL.

**Notocactus submammulosus** (Lemaire) Backeberg. LEMON BALL.

**Notocactus succineus** Ritter.

**Notocactus succineus** var. **albispinus**.

**Notocactus supertextus**

**Notocactus tabularis** (Cels ex K. Schumann) Berger.

**Notocactus tephacanthus** (Link & Otto) Krainz.

**Notocactus uebelmannianus** Buining.

**Notocactus vanvlietii** Rausch.

**Notocactus warasii** (Ritter) Hew. & Donald.

**Notocactus werdermannianus** Hert.

#### Nyctocereus

**Nyctocereus serpentinus** (Lagasca & Rodrigues) Britton & Rose. SNAKE CACTUS; SERPENT CACTUS; JUNCO; JUNCO ESPINOSO.

#### Obregonia

**Obregonia denegrii** Frič. ARTICHOKE CACTUS; PEYOTL.

#### Opuntia

**Opuntia acanthocarpa** Engelm. & Bigelow. BUCKHORN CHOLLA.

**Opuntia aciculata** Griffiths. COWBOYS RED WHISKERS.

**Opuntia arbuscula** Engelm. PENCIL CHOLLA; CHOLLA.

**Opuntia articulata** Otto. PAPER-SPINE CACTUS.

**Opuntia basilaris** Engelm. & Bigelow var. **basilaris**. BEAVER TAIL.

**Opuntia basilaris** var. **treleasei** (Coulter) Coulter. BEAVER TAIL.

**Opuntia bigelovii** Engelm. TEDDY BEAR CHOLLA; BALL CHOLLA; VELAS DE COYOTE; CHOLLA.

**Opuntia bradtiana** (Coulter) K. Brandegee. ORGANILLO VIEJO.

**Opuntia bravoana** Baxter.

**Opuntia chaffeyi** Britton & Rose. SACASIL.

**Opuntia cholla** Weber. CHOLLA.

**Opuntia clavata** Engelm. CLUB CHOLLA; DAGGER CHOLLA.

**Opuntia corrugata** Salm-Dyck.

**Opuntia dimorpha** Forster.

**Opuntia echinocarpa** Engelm. & Bigelow. SILVER CHOLLA; GOLDEN CHOLLA.

**Opuntia echios** How.

**Opuntia erinacea** Engelm. & Bigelow var. **ursina** (Weber) Parish. GRIZZLY BEAR; PORCUPINE CACTUS.

**Opuntia ficus-indica** [Linnaeus] Miller. INDIAN FIG; NOPAL DE CASTILLA; TUNA MANSA.

**Opuntia flexispina** (Backeberg)

**Opuntia floccosa** Salm-Dyck. POLAR BEAR CACTUS.

**Opuntia fulgida** Engelm. var. **fulgida**. CHAIN-FRUIT CHOLLA; JUMPING CACTUS.

**Opuntia fulgida** var. **mammillata** Coulter. BOXING GLOVE.

**Opuntia galapageia** Henslow. GALAPAGOS ISLANDS PRICKLY PEAR.

**Opuntia hamiltonii** (Gates)

**Opuntia humifusa** Rafinesque.

**Opuntia ignescens** Vaupel.

**Opuntia imbricata** (Haworth) DeCandolle. CANDELABRUM CACTUS; CHAIN-LINK CACTUS; XOCONOSTLE; JOCONOSTLE; CARDENCHE; TASAJO; COYONOSTLE; VELA DE COYOTE; ENTRENA; CARDON; ABROJO.

**Opuntia inarmata**

**Opuntia invicta** Brandegee. DEVIL'S CLUB.

**Opuntia kelvinensis** V. & K. Grant.

**Opuntia kleiniae** DeCandolle. KLEIN CHOLLA; CANDLE CHOLLA.

**Opuntia leucotricha** DeCandolle. AARON'S BEARD; PANCAKE CACTUS; NOPAL DURAZNILLO; DURAZNILLO BLANCO; NOPAL COLORADO.

**Opuntia leptocaulis** DeCandolle. DESERT CHRISTMAS CACTUS; ALFILERILLO; CATALINARIA; TASAJILLO.

**Opuntia lindheimeri** Engelm. var. **lindheimeri**.

**Opuntia lindheimeri** var. **linguiformis** (Griffiths)

L. Benson. COW'S TONGUE; LENGUA DE VACA.

**Opuntia littoralis** (Engelm.) Cockerell.

**Opuntia macrorhiza** Engelm. PLAINS PRICKLY PEAR.

**Opuntia megasperma** How.

**Opuntia microdasys** (Lehmann) Pfeiffer. BUNNY EARS; POLKA DOT CACTUS; HOBNAIL CACTUS; ANGEL WINGS; CEGADOR; NOPALILLO CEGADOR.

**Opuntia moelleri** Berger.

**Opuntia molinensis** Spegazzini.

**Opuntia munzii** C. B. Wolf.

**Opuntia neochrysantha** Bravo.

**Opuntia nigripina** Shumann.

**Opuntia oricola** Philbrick.

**Opuntia orurensis** Cardenas.

**Opuntia paediophila** (Ritter) Backeberg.

**Opuntia phaeacantha** Engelm. var. **discata** (Griffiths) Benson & Walkington. DISCUS CACTUS; TULIP PRICKLY PEAR.

**Opuntia phaeacantha** var. **major** Engelm. BROWN-SPINED PRICKLY PEAR.

**Opuntia pittieri** Britton & Rose.

**Opuntia polyacantha** Haworth. HUNGER CACTUS; STARVATION CACTUS.

**Opuntia prolifera** Engelm. COAST CHOLLA.

**Opuntia pubescens** Wendland.

**Opuntia pycnantha** Engelm.

**Opuntia quimilo** Schumann. NEEDLE CACTUS; QUIMILO.

**Opuntia ramosissima** Engelm. DIAMOND CHOLLA; PENCIL CACTUS; HOLY CROSS CACTUS.

**Opuntia robusta** Wendland. NOPAL TAPON; BARTOLONA.

**Opuntia rosarica** Lindsay.

**Opuntia rufida** Engelm. BLIND PEAR; CINNAMON BEAR.

**Opuntia saxicola** How.

**Opuntia scheeri** Weber.

**Opuntia sphaerica** Forster. COROTILLA; LEON; LEONCITO.

**Opuntia spinosior** (Engelm.) Toumey. CANE CHOLLA.

**Opuntia stanlyi** Engelm. DEVIL'S CHOLLA; CREEPING CHOLLA; CURSED CHOLLA.

**Opuntia streptacantha** Lemaire. TUNA CARDONA; NOPAL CARDON; NOPAL HARTON.

**Opuntia stricta** Haworth var. **dillenii** (Ker-Gawler) L. Benson. PEST PEAR; PAK'AN; YAAXPAKAN.

**Opuntia strobiliformis** Berger. PINE CONE CACTUS; SPRUCE CONES.

**Opuntia subulata** (Muhlenpfordt) Engelm. EVE'S NEEDLE.

**Opuntia verschaffeltii** Cels in Weber.

**Opuntia versicolor** Engelm. STAGHORN CHOLLA.

**Opuntia vestita** Salm-Dyck. LAMBS-LEGS CACTUS; COTTON POLE.

**Opuntia violacea** var. **macrocentra** (Engelm.) L. Benson. LONG-SPINED PRICKLY PEAR; PURPLE PRICKLY PEAR.

**Opuntia violacea** Engelm. var. **violacea**. PURPLE—PAD PRICKLY PEAR.

**Opuntia violacea** var. **santa-rita** (Griffiths) L. Benson. PURPLE-PAD PRICKLY PEAR; BLUE BLADE; DOLLAR CACTUS.

**Opuntia vulgaris** var. **variegata** JOSEPH'S COAT.

**Opuntia weberi** Spegazzini.

**Opuntia whipplei** Engelm. & Bigelow. WHIPPLE'S CHOLLA; RAT-TAIL CACTUS; STICKER CACTUS; SMALL BITING CACTUS.

#### Oreocereus

*Oreocereus celsianus* — see *Borzicactus celsianus*.

*Oreocereus fossulatus* - see *Borzicactus fossulatus*.

*Oreocereus trollii* — see *Borzicactus trollii*.

#### Ortegocactus

**Ortegocactus macdougallii** Alexander.



*Ferocactus acanthodes.*



*Homalocephala texensis.*



*Lobivia (yellow form).*



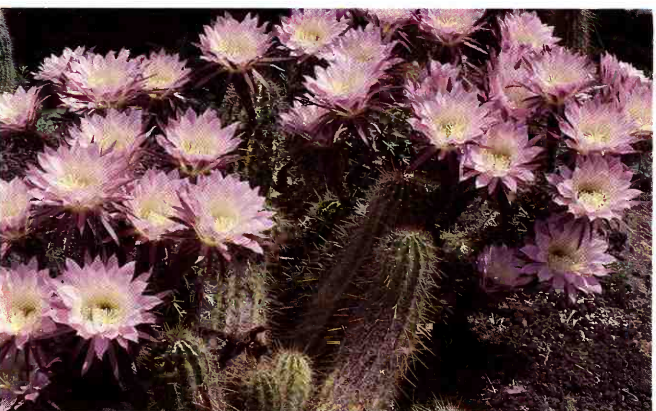
*Echinocereus triglochidiatus.*



*Lobivia silvestrii (red form).*



*Echinopsis hybrid 'Watermelon'.*



*Lobivia hybrid.*



*Mammillaria baumii.*

**Pachyrocereus**

**X Pachyrocereus orcuttii** (hybrid of *Pachyrocereus pringlei* with *Bergerocactus emoryi*).

**Pachycereus**

*Pachycereus gaumeri* — see *Pterocereus gaumeri*.

**Pachycereus hollianus** (Weber) F. Buxbaum. BABOSO; BAVOSO; ACOMPES.

**Pachycereus pecten-aboriginum** (Engelmann) Britton & Rose. HAIRBRUSH CACTUS; INDIAN COMB; HECHO; CHIK.

**Pachycereus weberi** (Coulter) Backeberg. CANDELABRA CACTUS; CARDÓN; CANDELABRO; CHICO; CANDEBOBE.

**Pachycereus pringlei** (S. Watson) Britton & Rose. MEXICAN GIANT; CARDÓN; CARDÓN PELON; CARDÓN GIGANTE.

**Parodia**

**Parodia aureispina** Backeberg. TOM THUMB.

**Parodia commutans** Ritter.

**Parodia echinus** Ritter.

**Parodia hausteiniana** Rausch.

**Parodia laui** Brandt.

**Parodia maassii** (Heese) Berger. VERMILION PARODIA.

**Parodia mairanana** Cardenas.

**Parodia miguillensis** Cardenas.

**Parodia penicillata** Fechs. & v.d. Steeg.

**Parodia prolifera**

**Parodia purpureo-aurea** Ritter.

**Parodia sanguiflora** Frič ex Backeberg. RED TOM THUMB.

**Parodia schwebsiana** (Werdermann) Backeberg.

**Parodia tarabucina** Cardenas.

**Parodia uhligiana** Backeberg.

**Parodia yamparaezi** Cardenas.

**Pediocactus**

*Pediocactus papyracanthus* — see *Toumeyia papyracantha*.

**Pelecyphora**

**Pelecyphora aselliformis** Ehrenberg. HATCHET CACTUS; PEOTE; PEYOTILLO.

**Peniocereus**

**Peniocereus fosterianus** Cutak.

**Peniocereus greggii** (Engelmann) Britton & Rose. ARIZONA QUEEN OF THE NIGHT; DEERHORN CACTUS; NIGHT-BLOOMING CERESUS; SWEET POTATO CACTUS; REINA DE LA NOCHE.

**Peniocereus marnierianus** Backeberg.

**Peniocereus marianus** (Gentry) H. Sanchez-Mejorada.

**Pereskia**

**Pereskia grandiflora** Haworth. ROSE CACTUS.

**Pereskia lychnidiflora** DeCandolle. ARBOL DE MATRIMONIO; GUITATCHE; GUICHITACHE.

**Pereskiaopsis**

**Pereskiaopsis porteri** (Brandege) Britton & Rose. YELLOW ROSE CACTUS; ALCAJES; XOCONOSTLE; ROSA AMARILLA; ALCAHUESAR.

**Phillipicereus**

**Phillipicereus castaneus** (Phil.) Backeberg.

**Pilocereus**

**Pilocereus arrabidaei** Lemaire.

**Pilosocereus**

**Pilosocereus chrysostele** (Vaupel) Byles & Rowley.

**Pilosocereus alensis** (Weber) Byles & Rowley. BILLY GOAT CACTUS; PITAHAYA BARBONA; BARBA DE VIEJA.

**Pilosocereus bradei** (Backeberg & Voll) Byles & Rowley.

**Pilosocereus carolinensis** Ritter.

**Pilosocereus chrysacanthus** (Weber) Byles & Rowley.

**Pilosocereus coerulescens** Ritter.

**Pilosocereus glaucescens** (Labouret) Byles & Rowley.

**Pilosocereus gounellei** (Weber) Byles & Rowley. CHIQUE-CHIQUE.

**Pilosocereus leucocephalus** (Poselger) Byles & Rowley. WOOLY TORCH.

**Pilosocereus magnificus** Buining.

**Pilosocereus maxonii** (Rose) Byles & Rowley. TUNO; CABEZA DEL VIEJO; ORGANO.

**Pilosocereus palmeri** (Rose) Byles & Rowley. WOOLY TORCH.

**Pilosocereus pentaedrophorus** (Labouret) Byles & Rowley.

**Pilosocereus purpusii** (Britton & Rose) Byles & Rowley. VIEJO.

**Pilosocereus salvadorensis** (Werdermann) Byles & Rowley.

**Pseudoespostoa**

*Pseudoespostoa nana* — see *Espostoa nana*.

**Pseudopilocereus**

**Pseudopilocereus azureus** Buining & Brederoo.

**Pseudopilocereus pachycladus** var. **chapensis**

**Pseudopilocereus pachycladus** var. **pachycladus**

**Pseudopilocereus rosea**

**Pseudopilocereus superfloccosus** Buining & Brederoo

**Pseudobivia**

*Pseudobivia kermesina* — see *Echinopsis mamillosa*.

**Pterocactus**

**Pterocactus tuberosus** (Pfeiffer) Britton & Rose.

**Pterocereus**

**Pterocereus gaumeri** (Britton & Rose) MacDougall & Miranda. NEKISIN.

**Pygmaocereus**

**Pygmaocereus akersii** Johnson.

**Pyrrhocactus**

*Pyrrhocactus bulbocalyx* — see *Neoporteria bulbocalyx*.

**Quiabentia**

**Quiabentia chacoensis** Backeberg.

**Quiabentia perezii** Backeberg.

**Rathbunia**

*Rathbunia alamosensis* — see *Stenocereus alamosensis*.

**Rebutia**

**Rebutia donaldiana** Lau & Rowley. ORANGE CROWN.

**Rebutia heliosa** Rausch var. **condorensis**. SUN CACTUS.

**Rebutia krainziana** Kesselr.

**Rhipsalis**

**Rhipsalis capilliformis** Weber. OLD MAN'S HEAD.

**Rhipsalis cassutha** Gärtner. MISTLETOE CACTUS.

**Rhipsalis cereuscula** Haworth. CORAL CACTUS; RICE CACTUS.

**Rhipsalis lumbricoides** (Lemaire) Lemaire.

**Rhipsalis paradoxa** Salm-Dyck. CHAIN CACTUS, LINK CACTUS.

**Rhipsalis rauhiorum** Barthlott.

**Rhipsalis rhombea** (Salm-Dyck) Pfeiffer. COPPER BRANCH.

**Rooksbya**

*Rooksbya euphorbioides* — see *Neobuxbaumia euphorbioides*.

**Selenicereus**

**Selenicereus atopilosus** Kimmnach.

**Selenicereus grandiflorus** (Linnaeus) Britton & Rose. NIGHT-BLOOMING CERESUS; REINA DE LA NOCHE.

**Selenicereus hamatus** (Scheidweiler) Britton & Rose. MOON CACTUS; REINA DE LA NOCHE.

**Selenicereus macdonaldiae** (Hooker) Britton & Rose. QUEEN OF THE NIGHT.

**Selenicereus testudo** (Karwinsky ex Zuccarini) F. Buxbaum. PITAHAYA DE TORTUGA.

**Selenicereus vagans** (K. Brandege) Britton & Rose.

**Seticereus**

*Seticereus chlorocarpus* — see *Borzicactus chlorocarpus*.

*Seticereus icosagonus* — see *Borzicactus icosagonus*.

**Soehrensia**

*Soehrensia bruchii* — see *Lobivia formosa* var. *bruchii*.

*Soehrensia formosa* — see *Lobivia formosa*.

**Stenocereus**

**Stenocereus alamosensis** (Coulter) Gibson & Horak. RAMBLING RANCHERO; NACIDO; SINA; TASAJO.

**Stenocereus beneckeii** (Ehrenberg) Berger & F. Buxbaum. WAXY TORCH; CHALK TORCH.

**Stenocereus dumortieri** (Scheidweiler) F. Buxbaum. ORGANO;

PITAYO; CANDELABRO.

**Stenocereus eruca** (T. S. Brandegee) Gibson & Horak. CREEPING DEVIL; CHIRINOLE; CASE DE RATAS.

**Stenocereus griseus** (Haworth) F. Buxbaum. WAXY TORCH; PITAYO DE MAYO; DAATOE; KADOESJI.

**Stenocereus gummosus** (Engelmann) Gibson & Horak. OCTOPUS CACTUS; PITAHAYA AGRE; PITAHAYA AGRIA.

**Stenocereus marginatus** Berger & F. Buxbaum. MEXICAN FENCE POST; MEXICAN ORGAN PIPE; ORGANO; CHILAYO.

**Stenocereus montanus** (Britton & Rose) F. Buxbaum. PITAYA COLORADA.

**Stenocereus queretaroensis** (Weber) F. Buxbaum. PITAYO DE QUERETARO.

**Stenocereus stellatus** (Pfeiffer) Riccobono. PITAYO; XOCONOSTLE.

**Stenocereus thurberi** (Engelmann) F. Buxbaum. ARIZONA ORGAN PIPE; PITAYO DULCE.

### Stephanocereus

**Stephanocereus leucostele** (Gurke) Backeberg.

### Stetsonia

**Stetsonia coryne** (Salm-Dyck) Britton & Rose. NEEDLE CACTUS; TOOTHPICK CACTUS.

### Strombocactus

*Strombocactus denegrii* — see *Obregonia denegrii*.

**Strombocactus disciformis** (DeCandolle) Britton & Rose. PELLOTE, PEYOTE.

*Strombocactus lophophoroides* — see *Turbinicarpus lophophoroides*.

*Strombocactus pseudomacrochele* — see *Turbinicarpus pseudomacrochele*.

*Strombocactus schmiedickeanus* — see *Turbinicarpus schmiedickeanus*.

### Submatucana

*Submatucana aurantiacus* — see *Borzicactus aurantiacus*.

*Submatucana aureiflorus* — see *Borzicactus aureiflorus*.

*Submatucana intertextus* — see *Borzicactus intertextus*.

*Submatucana myriacantha* — see *Borzicactus myriacanthus*.

*Submatucana paucicostatus* — see *Borzicactus paucicostatus*.

*Submatucana ritteri* — see *Borzicactus ritteri*.

### Subpilocereus

**Subpilocereus repandus** (Linnaeus) Backeberg.

**Subpilocereus rusellianus** (Otto) Backeberg.

### Sulcorebutia

**Sulcorebutia arenacea** (Cardenas) Ritter.

**Sulcorebutia kruigeri** (Cardenas) Ritter.

**Sulcorebutia rauschii** Frank.

**Sulcorebutia steinbachii** (Werdermann) Backeberg.

### Tephrocactus

*Tephrocactus articulatus* — see *Opuntia articulata*.

*Tephrocactus dimorphus* — see *Opuntia dimorpha*.

*Tephrocactus flexispinus* — see *Opuntia flexispina*.

*Tephrocactus floccosus* — see *Opuntia floccosa*.

*Tephrocactus ignescens* — see *Opuntia ignescens*.

*Tephrocactus nigrispinus* — see *Opuntia nigrispina*.

*Tephrocactus molinensis* — see *Opuntia molinensis*.

*Tephrocactus sphaericus* — see *Opuntia sphaerica*.

*Tephrocactus strobiliformis* — see *Opuntia strobiliformis*.

*Tephrocactus weberi* — see *Opuntia weberi*.

### Thelocactus

**Thelocactus bicolor** (Galeotti) Britton & Rose. GLORY OF TEXAS.

**Thelocactus bicolor** var. **bolansis** (Runge) Knuth.

**Thelocactus conothele** var. **aurantiacus** Glass & Foster.

**Thelocactus conothele** (Reg. & Klein) Knuth var. **conothele**.

**Thelocactus hastifer** (Werdermann & Boedeker) Knuth.

**Thelocactus heterochromus** (Weber) Van Oost.

**Thelocactus leucacanthus** (Zuccarini) Britton & Rose var. **sanchez-majoradai** (J. Meyr.) Backeberg.

**Thelocactus mcdowellii** (Rebut) Kladiwa & Fittkau.

**Thelocactus phymatothele** (Poselger) Britton & Rose.

**Thelocactus rinconensis** (Poselger) Britton & Rose var. **nidulans** (Quehl.) Glass & Foster.

**Thelocactus schwarzii** Backeberg.

### Thrixanthocereus

**Thrixanthocereus ritteri**

**Thrixanthocereus senilis** Ritter.

### Toumeyia

**Toumeyia papyracantha** (Engelmann) Britton & Rose. GRAMA GRASS CACTUS; PAPER-SPINED CACTUS.

### Trichocereus

**Trichocereus candicans** (Gillies) Britton & Rose.

**Trichocereus carmarguensis** Cardenas.

**Trichocereus courantii** (K. Schumann) Backeberg.

**Trichocereus fulvilanus** Ritter.

**Trichocereus lamprochlorus** (Lemaire) Backeberg.

**Trichocereus pachanoi** Britton & Rose. SAN PEDRO CACTUS; AGUA-COLLA; GIGANTON.

**Trichocereus pasacana** (Weber) Britton & Rose. PASACANA.

**Trichocereus santiaguensis** (Spegazzini) Backeberg.

**Trichocereus schickendantzii** (Weber) Britton & Rose.

**Trichocereus smrzianus** (Backeberg) Backeberg.

**Trichocereus spachianus** (Lemaire) Riccobono. GOLDEN TORCH.

**Trichocereus strigosus** (Salm-Dyck) Britton & Rose.

**Trichocereus taquibalensis** Cardenas var. **wilkae** Backeberg.

**Trichocereus terscheckii** (Parmentier) Britton & Rose. CARDÓN GRANDE.

**Trichocereus thelegonus** (Weber) Britton & Rose.

**Trichocereus werdermannianus** Backeberg.

### Turbinicarpus

**Turbinicarpus lophophoroides** (Werdermann) F. Buxbaum & Backeberg.

**Turbinicarpus pseudomacrochele** (Backeberg) F. Buxbaum & Backeberg var. **pseudomacrochele**.

**Turbinicarpus pseudopectinatus** (Backeberg) Glass & Foster.

**Turbinicarpus schmiedickeanus** (Boedeker) F. Buxbaum & Backeberg var. **schmiedickeanus**.

**Turbinicarpus schmiedickeanus** var. **schwarzii** (Shurly) Glass & Foster.

**Turbinicarpus valdezianus** (Möller) Glass & Foster.

### Uebelmannia

**Uebelmannia pectinifera** Buining.

### Weberbauerocereus

**Weberbauerocereus horridispinus** Rauh & Backeberg.

**Weberbauerocereus johnsonii** Ritter.

**Weberbauerocereus seyboldianus** Rauh & Backeberg.

**Weberbauerocereus weberbaueri** (K. Schumann) Backeberg.

**Weberbauerocereus winterianus** Ritter.

### Weingartia

**Weingartia neocummingii** Backeberg.

### Wigginsia

*Wigginsia corynodes* — see *Notocactus corynodes*.

*Wigginsia erinaceus* — see *Notocactus erinaceus*.

*Wigginsia sessiliflorus* — see *Notocactus sessiliflorus*.

*Wigginsia tephraanthus* — see *Notocactus tephraanthus*.

### Wilcoxia

**Wilcoxia poselgeri** (Lemaire) Britton & Rose. DAHLIA CACTUS; SACASIL.

### Wittia

**Wittia panamensis** Britton & Rose.

### Zehntnerella

**Zehntnerella squamulosa** Britton & Rose.

### Zygocactus

**Zygocactus truncatus** (Haworth) K. Schumann. CHRISTMAS CACTUS; HOLIDAY CACTUS; CRAB CACTUS; RINGENT-FLOWERED CACTUS.