



Tucson Cactus and Succulent Society April 2016

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Mangave hybrid: 'Bloodspot'

- Raffle plant
- Origin: Cultivar
- Min temp: 22-25 deg F
- Agave macroacantha x Manfreda maculosa?
- Grows slowly
- Usually solitary, forms compact upright rosette
 - Height: to 12 in
 - Diameter: to 15 in
- May form offsets
- Full / Filtered sun
- Well-drained soil



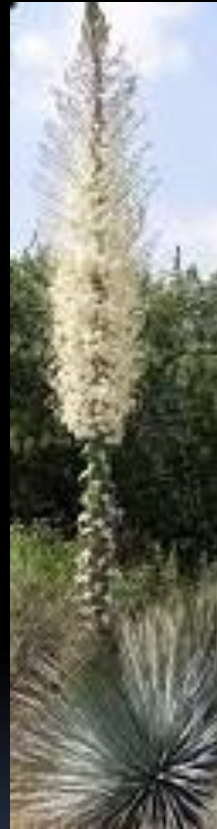
Grusonia invicta



- Raffle plant
- Origin: Mexico (Central Baja California)
- Min temp: tolerates occasional light frost
- Forms a low wide mat
 - Height: to 12 in
 - Mat diameter: to 5 ft
- Propagated from seeds or cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil

Yucca whipplei

- Raffle plant
- Origin: USA (California)
- Min temp: to 10 deg F
- Plant dies after blooming but is often replaced by offsets
- Aka "Hesperoyucca"
- Forms dense rosette
 - Height: to 4 ft
 - Width: to 5 ft
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Gymnocalycium cardenasianum



- Raffle plant
- Origin: Bolivia (Tarija)
- Min temp: to 14 deg F
- Grows slowly
- Usually solitary, forms heavy twisted spines
 - Diameter: to 7 in
 - Height: to 4 in
- Full / Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Fouquieria columnaris 'Boojum'

- Raffle plant
- Origin: Mexico (Baja California, Sonora)
- Min temp: to 14 deg F
- Has leaves for short periods of time during year
- In same family as ocotillo
- Forms tall slender spiny tree that may branch at top
 - Height: to 40 ft
 - Stem diameter: to 1 ft
- Propagated from seed
- Full sun
- Well-drained soil



Echinocereus stramineus



- Raffle plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Aka 'Strawberry Hedgehog'
- Forms large compact colonies
- May have up to 200 stems
 - Stem diameter: to 4 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Ferocactus emoryi ssp covillei



- Door prize
- Origin: Mexico (Sonora); Arizona (Yuma, Maricopa Co)
- Min temp: to 14 deg F
- Usually solitary, forms heavy spines
 - Diameter: to 18 in
 - Height: to 2 ft
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Echeveria subrigida

- Door prize
- Origin: Mexico (San Luis Potosi)
- Min temp: to 25 deg F
- Brighter sunlight encourages colorful margins
- One of the largest echeverias
 - Diameter: to 18 in
 - Height: to 9 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use porous, well-drained soil



Ferocactus pottsii v alamosanus

- Door prize
- Origin: Mexico (Sonora)
- Min temp: tolerates occasional mild frost
- Forms small barrel
 - Height: to 12 in
 - Diameter: to 12 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Euphorbia milii hybrid



- Door prize
- Origin: Madagascar
- Min temp: protect from frost
- Tolerates wide variety of light and watering conditions
- Forms small woody shrub with abundant flowers thru out year
 - Diameter : to 24 in
 - Height: to 15 in
- Good windowsill plant
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria muehlenpfordtii

- Door prize
- Origin: Mexico (Guanajuato, Queretaro, San Luis Potosi)
- Min temp: to 14 deg F
- Young plants solitary
- Stem divides dichotomously to form mound with many heads
 - Stem height: to 6 in
 - Stem diameter: to 6 in
- Propagated from seed
- Full / Filtered sun
- Well-drained soil



Cotyledon ladismithiensis



- Door prize
- Origin: South Africa (Little Karoo, Cape Province)
- Min temp: protect from frost
- Branches profusely
- Forms dwarf shrub
 - Stem diameter: to 2 in
 - Height: to 8 in
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Gymnocalycium rotundulum



- Free plant
- Origin: Brazil, Bolivia, Paraguay
- Min temp: Give some protection in colder areas
- Usually solitary
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Kalanchoe luciae

Free plant

- Origin: South Africa
- Min temp: 25-30 deg F
- Forms floppy rosette-clusters on low stems
 - Leaf size: to 2 to 4 in
 - Height: to 12 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Escobaria hesteri



- Free plant
- Origin: Texas (Marathon Basin)
- Min temp: to 14 deg F
- Rare
- Very slow growing
- Dwarf, forms clusters with age
 - Stem height: to 1 ½ in
 - Stem diameter: to 1 ½ in
- Propagated from seed, cuttings, grafts
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Adromischus maculatus

Free plant

- Origin: South Africa (Cape Province-Langeberg Mountains)
- Min temp: 25-30 deg F
- Forms low mat
 - Leaf size: to 2 to 4 in
 - Height: to 4 in
- Develops caudex with age
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria zielmanniana (white flowered)



- Free plant
- Origin: Mexico (Guanajuato)
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Sempervivum species

Free plant

- Origin: Europe (cultivar)
- Min temp: to 14 deg F
- Forms low clump
- Tiny new plants appear in a circle around the mother in the middle
 - Rosette size: to 2 to 4 in
 - Height: to 4 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria melaleuca



- Free plant
- Origin: Mexico (Tamaulipas, Palmillas)
- Min temp: to 14 deg F
- Forms clusters with age
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Echeveria colorata

Free plant

- Origin: Mexico (Jalisco)
- Min temp: protect from frost
- Forms globular rosette
 - Diameter: to 8 in
 - Height: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria boolii



- Free plant
- Origin: Mexico (Sonora)
- Min temp: protect from frost
- May form cluster with age
 - Stem diameter: to 1 in
 - Stem height: to 1 1/2 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Gymnocalycium species (related to bruchii??)



- Free plant
- Origin: South America
- Min temp: Give some protection in colder areas
- Forms clusters with age
 - Stem height: to 3 in
 - Stem diameter: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Agave parryi v couesii



- **Free plant**
- **Origin: Arizona (Coconino, Yavapai, Gila counties)**
- **Min temp: to 14 deg F**
- **Forms large clusters**
 - **Rosette diameter: to 24 in**
 - **Rosette height: to 18 in**
- **Propagated from seed, offsets**
- **Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Ferocactus latispinus

- Free plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 14 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Marlothiella uniondelensis



- **Free plant**
- **Origin: South Africa (Western Cape, Little Karoo)**
- **Min temp: protect from frost**
- **Grows in clusters, eventually forming caudex**
 - **Cluster diameter: to 3 in**
 - **Cluster height: to 6 in**
- **Propagated from seed, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Mammillaria hahniana

- Free plant
- Origin: Mexico (Central)
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloe microstigma x ferox



Free plant

- Origin: Cultivar
- Min temp: protect from frost
- Forms low dense clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ruschia crassa



- **Free plant**
- **Origin: South Africa**
- **Min temp: to 25 deg F**
- **Forms branching clusters**
 - **Stem diameter: to 1/2 in**
 - **Stem height: to 15 in**
- **Propagated from seed, woody stem cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Lithops (assorted species)



Free plant

- Origin: South Africa
- Min temp: protect from frost
- Flower - white or yellow
- Forms small clusters
 - Stem diameter: to 2 in
 - Height: to 1 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria plumosa

Free plant

- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually forms clusters
 - Stem height: to 3 in
 - Stem diameter: to 3 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Yucca rigida



- **Free plant**
- **Origin: Mexico (Chihuahua, Durango, Zacatecas)**
- **Min temp: to 14 deg F**
- **Has minimal branching near top**
- **Slow growing, tree-like yucca**
 - **Height: to 12 ft**
 - **Diameter: to 5 ft**
- **Propagated from seeds**
- **Full / filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Mammillaria zielmanniana

- **Free plant**
- **Origin: Mexico (Guanajuato)**
- **Min temp: to 14 deg F**
- **Forms clusters**
 - **Stem diameter: to 3 in**
 - **Clump height: to 5 in**
- **Full / Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**



Thelocactus bicolor v flavidispinus

- Free plant
- Origin: Texas (Marathon Basin)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 3 in
 - Stem height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria canelensis

- Free plant
- Origin: Mexico (Chihuahua)
- Min temp: protect from frost in colder areas of town
- Usually solitary
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Use well-drained soil



Euphorbia species



- Free plant
- Origin: Eastern Africa
- Protect from frost
- Forms small shrub
 - Stem height: to 12 in
 - Stem diameter: to ½ in
- Propagated from offsets
- Full / Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Cheiridopsis aurea

Free plant

- Origin: South Africa (Little Namaqualand)
- Min temp: will tolerate light frost
- Forms low dense clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Thank You To Our Plant Suppliers This Month:

- B & B Cactus Farm / Mark and Margaret Sitter
- Bach's Greenhouse Cactus Nursery / Dan and Diane Bach
 - Plants for the Southwest / Gene Joseph
 - Living Stones Nursery / Jane Evans





Tucson Cactus and Succulent Society May 2016

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RAFFLE PLANTS

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Epidendrum (terrestrial orchid)

- Raffle plant
- Origin: Tropical central America
- Min temp: protect from frost
- Grows from pseudo-bulbs
- Forms cluster
 - Height: to 15 in
 - Diameter: to 13 in
- Use loose potting mixture of tree bark chips and peat moss
- May take slightly more water than a succulent
- Filtered sun
- Well-drained soil



Oreocereus ritteri



- Raffle plant
- Origin: Peru (Ayacucho)
- Min temp: to 14 deg F
- Branches at base to form clumps
 - Stem diameter: to 4
 - Stem height: to 5 ft
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Gasteria armstrongii (variegated hybrid)

- Raffle plant
- Origin: Cultivar (Japan)
- Min temp: protect from frost
- Currently rare
- Forms offsets
 - Height: to 6 in
 - Width: to 10 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Astrophytum ornatum



- Raffle plant
- Origin: Mexico (Hidalgo, Queretaro, Guanajuato)
- Min temp: to 14 deg F
- Forms solitary short column
 - Diameter: to 1 ft
 - Height: to 3 ft
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Aloe hybrid

'Sean's Red'

- Raffle plant
- Origin: Cultivar (Kelly Griffin)
- Min temp: protect from frost
- Forms large cluster
 - Diameter: to 24 in
 - Height: to 24 in
- Full / Filtered sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Ferocactus histrix

- Raffle plant
- Origin: Mexico (widespread in central, eastern Mexico)
- Min temp: protect from frost in colder areas
- Used in candy industry
- Grows slowly
- Forms solitary barrel
 - Height: to 3 ft
 - Stem diameter: to 2 ft
- Propagated from seed
- Full sun
- Well-drained soil



DOOR PRIZES

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Pachypodium lamerei



- Door prize
- Origin: Madagascar
- Min temp: protect from frost
- Forms semi-deciduous stemmed tree with a stout trunk
 - Trunk diameter: to 1 ft
 - Height: to 15 ft
- Full / Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Mammillaria crassimammillis

- Door prize
- Origin: Mexico (Nuevo Leon)
- Min temp: to 14 deg F
- Forms flattened low clump
 - Diameter: to 20 in
 - Height: to 12
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use porous, well-drained soil



Haworthia radula variegata



- Door prize
- Origin: Cultivar
- Min temp: tolerates occasional mild frost
- Forms open rosette
 - Height: to 12 in
 - Diameter: to 12 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Sulcorebutia menesesii



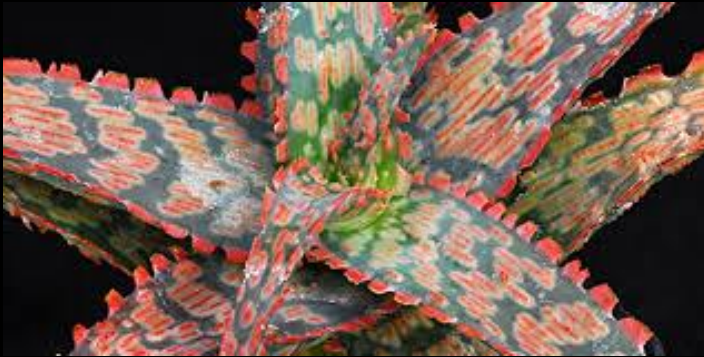
- Door prize
- Origin: Bolivia
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter : to 3 in
 - Height: to 5 in
- Good windowsill plant
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Thelocactus conothelos ssp flavus

- Door prize
- Origin: Mexico (Huizache, San Luis Potosi)
- Min temp: to 14 deg F
- May form small clumps in time:
 - Stem height: to 3 in
 - Stem diameter: to 3 in
- Propagated from seed
- Full sun
- Well-drained soil



Aloe hybrid SRAM #11



- Door prize
- Origin: Cultivar
- Min temp: protect from frost
- Forms star-shaped rosette
 - Stem diameter : to 7 in
 - Height: to 7 in
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

FREE PLANTS

Rules:

One plant per person

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Please be courteous

Haworthia retusa form geraldii



- **Free plant**
- **Origin: South Africa (Cape Province)**
- **Min temp: protect from frost**
- **Has fenestrate (window-like) leaves**
 - **In habitat grows just above surface**
- **Forms shiny star-shaped rosette**
 - **Stem diameter: to 2 in**
 - **Height: to 2 in**
- **Propagated from seed, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Gymnocalycium rotundulum



- Free plant
- Origin: Brazil, Bolivia, Paraguay
- Min temp: Give some protection in colder areas
- Usually solitary
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Aloe 'Pepe'

(*A descoingsii* x *A haworthioides*)

Free plant

- Origin: Cultivar (UCSB)
 - Native to Madagascar
- Offsets readily
- Forms dwarf domed clump
 - Rosette diameter: to 3 in
 - Height: to 3 in
- Propagated from seed, offsets
- Ideal windowsill plant
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Escobaria hesteri



- Free plant
- Origin: Texas (Marathon Basin)
- Min temp: to 14 deg F
- Rare
- Very slow growing
- Dwarf, forms clusters with age
 - Stem height: to 1 ½ in
 - Stem diameter: to 1 ½ in
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Adromischus maculatus

Free plant

- Origin: South Africa (Cape Province-Langeberg Mountains)
- Min temp: 25-30 deg F
- Forms low mat
 - Leaf size: to 2 to 4 in
 - Height: to 4 in
- Develops caudex with age
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria zielmanniana (white flowered)



- Free plant
- Origin: Mexico (Guanajuato)
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Haworthia 'Manda's Hybrid'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- May turn red with more sunlight
- Forms rosette that offsets readily
 - Rosette size: to 2 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria melaleuca



- Free plant
- Origin: Mexico (Tamaulipas, Palmillas)
- Min temp: to 14 deg F
- Forms clusters with age
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Echeveria colorata

Free plant

- Origin: Mexico (Jalisco)
- Min temp: protect from frost
- Forms globular rosette
 - Diameter: to 8 in
 - Height: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria hybrid 'Silver Fuji'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- Grows slowly
 - Rosette diameter: to 4 in
 - Height: to 1 in
- May have a tint of purple
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria boolii



- Free plant
- Origin: Mexico (Sonora)
- Min temp: protect from frost
- May form cluster with age
 - Stem diameter: to 1 in
 - Stem height: to 1 1/2 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Haworthia limifolia

Free plant

- Origin: South Africa
- Min temp: protect from frost
- Forms spiraling rosettes that eventually create a mat
 - Diameter: to 3 in
 - Height: to 2 in
- May have a tint of purple
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Haworthia truncata x maughanii

Free plant

- Origin: South Africa (Western Cape, Little Karoo)
- Min temp: protect from frost
- Grows as rosette – in time forms clump
 - Rosette diameter: to 4 in
 - Height: to 1 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gymnocalycium species (related to bruchii??)



- Free plant
- Origin: South America
- Min temp: Give some protection in colder areas
- Forms clusters with age
 - Stem height: to 3 in
 - Stem diameter: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Haworthia emelyae v multifolia



- Free plant
- Origin: South Africa(Western Cape)
- Min temp: tolerates mild frost
- Gets reddish tinge with more sunlight
- Forms large clusters
 - Rosette diameter: to 2 in
 - Rosette height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Marlothiella uniondelensis



- **Free plant**
- **Origin: South Africa (Western Cape, Little Karoo)**
- **Min temp: protect from frost**
- **Grows in clusters, eventually forming caudex**
 - **Cluster diameter: to 3 in**
 - **Cluster height: to 6 in**
- **Propagated from seed, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Haworthia retusa v acuminata

- Free plant
- Origin: South Africa (Southern Cape)
- Min temp: protect from frost
- May form clusters
 - Rosette diameter: to 3 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria hahniana

- Free plant
- Origin: Mexico (Central)
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria 'Little Warty'

(*G batesiana* x *G maculata*)



- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Grows slowly
- Forms clusters
 - Rosette diameter: to 2 in
 - Rosette height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria zielmanniana

- Free plant
- Origin: Mexico (Guanajuato)
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Thelocactus bicolor v schottii

- Free plant
- Origin: Texas (Trans Pecos)
- Min temp: to 14 deg F
- Prolific bloomer
- Usually solitary
 - Stem diameter: to 3 in
 - Stem height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Gasteria 'Sakura Fuji'

(*G obtusa* forma *variegata*)

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Usually solitary
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Good windowsill plant
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Use well-drained soil



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 - Miles' To Go / Miles Anderson
 - Plants for the Southwest / Gene Joseph





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Echinocereus stramineus



- Raffle plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Aka 'Strawberry Hedgehog'
- Forms large compact colonies
- May have up to 200 stems
 - Stem diameter: to 4 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave scabra hybrid

- Raffle plant
- Origin: Mexico
- Min temp: to 14 deg F
- Natural hybrid
 - Ferdinand-regis X scabra
- Forms branching clump
 - Height: to 2 ft
 - Mound diameter: to 3 ft
- Propagated from seed, offsets
- Full sun
- Well-drained soil



Stenocactus coptonogonus

- Raffle plant
- Origin: Mexico (Hidalgo, San Luis Potosi)
- Min temp: protect from frost in colder areas
- Usually solitary
 - Height: to 4 in
 - Diameter: to 4 in
- Somewhat resembles a Ferocactus
- Propagated by seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria batesiana

‘Barberton Form’



- Raffle plant
- Origin: Namibia, South Africa (Limpopo)
- Min temp: protect from frost
- Pollinated by sunbirds
- Cliff dweller in habitat
- Branches from base; forms tall rosettes
 - Leaf width: to 1 in
 - Leaf length: to 20 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Oreocereus celsianus



- Raffle plant
- Origin: Argentina, Bolivia, Peru
- Min temp: may need some protection in colder areas
- Pollinated by hummingbirds
- Branches at base to form clumps
 - Stem diameter: to 4 in
 - Stem height: to 10 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Agave ferdinandi-regis

- Raffle plant
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 10 deg F
- Grows as open rosette
- Solitary, slow growing
 - Height: to 18 in
 - Width: to 18 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Haworthia radula variegata



- Door prize
- Origin: Cultivar
- Min temp: tolerates occasional mild frost
- Forms open rosette
 - Height: to 12 in
 - Diameter: to 12 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria rubrograndis

- Door prize
- Origin: Mexico (Coahuila, Durango, Nuevo Leon, Tamaulipas)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 7 in
 - Height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use porous, well-drained soil



Gasteria 'Sakura Fuji'



- Door prize
- Origin: Cultivar
- Min temp: protect from frost
- Forms open rosette
 - Height: to 8 in
 - Diameter: to 9 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferrocactus gracilis

ssp gracilis



- Door prize
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter : to 12 in
 - Height: to 4 ft
- Aka "Fire Barrel"
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloe 'Raspberry Ruffles'

- Door prize
- Origin: Cultivar (Kelly Griffin)
- Min temp: protect from frost
- Forms rosette
 - Height: to 8 in
 - Diameter: to 8 in
- Propagated from seed
- Filtered sun
- Well-drained soil



Weingartia lanata



- Door prize
- Origin: Bolivia, Peru (Andes)
- Min temp: give some frost protection in colder areas
- Usually solitary
 - Stem diameter : to 4 in
 - Height: to 8 in
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Haworthia retusa form geraldii



- **Free plant**
- **Origin: South Africa (Cape Province)**
- **Min temp: protect from frost**
- **Has fenestrate (window-like) leaves**
 - **In habitat grows just above surface**
- **Forms shiny star-shaped rosette**
 - **Stem diameter: to 2 in**
 - **Height: to 2 in**
- **Propagated from seed, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Euphorbia symmetrica



- Free plant
- Origin: South Africa (Cape Province)
- Min temp: Give some protection in colder areas
- Usually solitary
- Grows as a flattened sphere
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Echinocereus rigidissimus ssp rubrispinus

Free plant

- Origin: Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg F
- Aka 'Ruby Rainbow'
- Usually solitary
 - Stem diameter: to 2 in
 - Height: to 8 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Pleiospilos nelli



- Free plant
- Origin: South Africa (Little Karoo, Great Karoo)
- Min temp: protect from frost
- Forms small clusters
 - Stem diameter: to 3 in
 - Clump height: to 3 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Mammillaria spinosissima



- Free plant
- Origin: Mexico (Guerrero, Morelos)
- Min temp: protect from frost in colder areas
- May form clusters with age
 - Stem diameter: to 4 in
 - Clump height: to 12 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Haworthia mirabilis var calcarea

Free plant

- Origin: South Africa (Western Cape Province)
- Min temp: protect from frost
- Forms tough spiky rosette
 - Diameter: to 8 in
 - Height: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Cheiridopsis purpurea

Free plant

- Origin: South Africa (Richtersveld)
- Min temp: protect from frost
- Eventually forms clumps
 - Rosette diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Astrophytum myriostigma 'strongylongonum'



- Free plant
- Origin: Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Solitary
 - Stem diameter: to 6 in
 - Stem height: to 15 in
- Full / Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Titanopsis hugo-schlechteri

Free plant

- Origin: Namibia, South Africa (Great Namaqualand)
- Min temp: 14 deg F
- Warts and bumps on plant serve as camouflage in limestone habitat
- Forms multi-headed rosettes
 - Diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange/pink
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Leuchtenbergia principis

Free plant

- Origin: Mexico (San Luis Potosi, Chihuahua)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 1 ft
 - Height: to 1 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Faucaria candida



- Free plant
- Origin: South Africa (Eastern Cape Province)
- Min temp: to 14 deg
- Forms clusters with age
 - Stem height: to 3 in
 - Stem diameter: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Haworthia emelyae v multifolia



- Free plant
- Origin: South Africa(Western Cape)
- Min temp: tolerates mild frost
- Gets reddish tinge with more sunlight
- Forms large clusters
 - Rosette diameter: to 2 in
 - Rosette height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Notocactus (Wigginsia) leprosorum



- Free plant
- Origin: Brazil (Rio Grande do Sul)
- Min temp: to 14 deg
- Usually solitary
 - Diameter: to 6 in
 - Height: to 5 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Haworthia 'Manda's Hybrid'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- May turn red with more sunlight
- Forms rosette that offsets readily
 - Rosette size: to 2 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria glomerata



- **Free plant**
- **Origin: South Africa (Southeastern Cape Province)**
- **Min temp: protect from frost**
- **Habitat: sheer vertical rocky ledges**
- **Forms rounded clusters**
 - **Cluster diameter: to 3 in**
 - **Height: to 3 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Haworthia retusa v acuminata

- Free plant
- Origin: South Africa (Southern Cape)
- Min temp: protect from frost
- May form clusters
 - Rosette diameter: to 3 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria hahniana

- Free plant
- Origin: Mexico (Central)
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloinopsis rubrolineata



- **Free plant**
- **Origin: South Africa**
- **Min temp: to 14 deg F**
- **Grows a caudex in time**
- **Forms low mats**
 - **Rosette diameter: to 3 in**
 - **Height with caudex: to 4 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Titanopsis aff calcareum

- **Free plant**
- **Origin: South Africa (Bushmanland, Upper Karoo)**
- **Min temp: to 14 deg F**
- **Habitat: Limestone outcrops**
- **Forms clusters**
 - **Stem diameter: to 3 in**
 - **Clump height: to 5 in**
- **Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**



Mammillaria bombycina

- Free plant
- Origin: Mexico (Jalisco, Aguascalientes)
- Min temp: needs some protection in colder areas
- May form large clustering mounds
 - Stem diameter: to 3 in
 - Stem height: to 3 in
 - Mound diameter: to 3 ft
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Haworthia magnifica var major



- Free plant
- Origin: South Africa (Western Cape, Little Karoo)
- Min temp: protect from frost
- Stays small
- Usually solitary; rarely offsets
 - Diameter: to 3 in
 - Height: to 2 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Pleiospilos bolusii

- Free plant
- Origin: South Africa
- Min temp: give some protection in colder areas
- Usually solitary
 - Stem height: to 3 in
 - Stem diameter: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Echinocereus triglochidiatus var gonacanthus



- Free plant
- Origin: New Mexico (White Sands)
- Min temp: to 14 deg F
- Forms clumps
 - Stem diameter: to 3 in
 - Stem height: to 15 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Notocactus buiningii

- Free plant
- Origin: Brazil, Uruguay
- Min temp: can tolerate occasional frost in warmer areas of town
- Usually solitary
 - Stem diameter: to 5 in
 - Stem height: to 3 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Thank You To Our Plant Suppliers This Month:

- B & B Cactus Farm / Mark and Margaret Sitter
 - Miles' To Go / Miles Anderson





Tucson Cactus and Succulent Society July 2016

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Manfreda maculosa hybrid 'Silver Leopard'

- Raffle plant
- Origin: Texas (Karnes Co), Mexico (Coahuila, Nuevo Leon, Tamaulipas)
- Min temp: give protection in colder areas
- Aka 'Spice Lily', 'False Agave', 'False Aloe'
- Forms clusters
 - Height: to 18 in
 - Diameter: to 18 in
- Propagated from offsets
- Full / Filtered sun
- Well-drained soil



Ferocactus emoryi ssp rectispinus



- Raffle plant
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Often found near coast
- Solitary unless growing tip injured
 - Height : to 4 ft
 - Diameter: to 18 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Use well-drained soil

Oeceoclades calcarata

- Raffle plant
- Origin: Madagascar
- Min temp: protect from frost
- Orchid family (rare)
 - Will grow in dry greenhouse with other succulents
- Small green flowers with purple veins
- Lithophyte (grows on rocks):
 - Height: to 4 ft
 - Diameter: to 2 ft
- Propagated from seeds and bulbs
- Filtered sun
- Likes water
- Use rocky soil mix



Echinocereus dasyacanthus



- Raffle plant
- Origin: USA (SW Texas, New Mexico, Oklahoma); Mexico (Chihuahua)
- Min temp: to 14 deg F
- Aka 'Texas Rainbow'
- Forms large compact colonies
 - Stem diameter: to 4 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave titanota 'Blue'

- Raffle plant
- Origin: Mexico (Oaxaca)
- Min temp: protect from frost
- Mostly solitary, may form offsets in time
 - Diameter: to 2 ft
 - Height: to 2 ft
- Grows slowly
- Propagated from seeds, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Stetsonia coryne

- **Raffle plant**
- **Origin: Argentina, Bolivia**
- **Min temp: to 14 deg F**
- **Forms large tree-like columnar cactus with many branches**
 - **Height: to 15 ft**
 - **Diameter: to 10 ft**
- **Aka 'Toothpick Cactus'**
- **Propagated by seed, cuttings**
 - **Keep cuttings very dry to root**
- **Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**



DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Lophocereus schottii monstrose 'Obesa'



- Door prize
- Origin: Mexico (Sonora, Baja California)
- Min temp: to 14 deg G
- Grows as tall, irregularly shaped pole
 - Diameter: to 6 in
 - Height: to 10 ft
- Naturally occurring hybrid that rarely flowers
- Propagated from cuttings
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Gasteria armstrongii

- Door prize
- Origin: South Africa (Eastern Cape Province)
- Min temp: protect from frost
- Forms rosettes
 - Stem width: to 1 in
 - Length: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



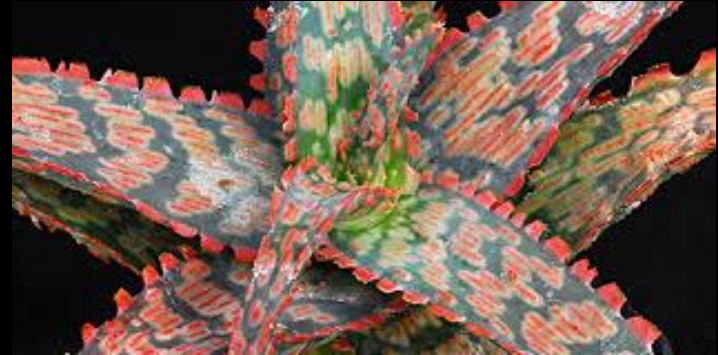
Ferocactus hystrix



- Door prize
- Origin: Mexico (central)
- Min temp: protect from frost in colder areas
- Usually solitary
 - Diameter: to 2 ft
 - Height: to 3 ft
- Threatened in habitat
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloe hybrid SRAM #11

- Door prize
- Origin: Cultivar
- Min temp: protect from frost
- Forms star-shaped rosette
 - Stem diameter : to 7 in
 - Height: to 7 in
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus hamatacanthus



- Door Prize
- Origin: New Mexico, SW Texas, Mexico (Chihuahua, Coahuila)
- Min temp: to 14 deg F
- Usually solitary, may cluster at base
 - Diameter: to 12 in
 - Height: to 24 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloe hybrid

'Sean's Red'

- Door Prize
- Origin: Cultivar (Kelly Griffin)
- Min temp: protect from frost
- Forms large cluster
 - Diameter: to 24 in
 - Height: to 24 in
- Full / Filtered sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Haworthia emelyae v multifolia



- Free plant
- Origin: South Africa(Western Cape)
- Min temp: tolerates mild frost
- Gets reddish tinge with more sunlight
- Forms large clusters
 - Rosette diameter: to 2 in
 - Rosette height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria guelzowiana



- Free plant
- Origin: Mexico (Durango)
- Min temp: to 14 deg F
- Has large flower for a mamm
- Forms small clusters
 - Stem diameter: to 2 in
 - Height: to 3 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Haworthia magnifica var major



- Free plant
- Origin: South Africa (Western Cape, Little Karoo)
- Min temp: protect from frost
- Stays small
- Usually solitary; rarely offsets
 - Diameter: to 3 in
 - Height: to 2 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Echinocereus nicholii



- Free plant
- Origin: USA (Arizona), Mexico (Sonora)
- Min temp: to 14 deg F
- Forms large, dense clusters
 - Stem diameter: to 3 in
 - Stem height: to 15 in
- Check TCSS field guide pp 98-99
- Propagated from seed
- Full / Filtered sun
- Well-drained soil

Crassula muscosa

- Free plant
- Origin: South Africa, Namibia, Lesotho
- Min temp: Give some protection in colder areas
- Aka 'Watch Chain Plant'
- Forms dense cluster
 - Stem height: to 6 in
 - Stem diameter: to 1/4 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Gymnocalycium horstii

- Free plant
- Origin: Uruguay, Paraguay, Brazil, Argentina
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloinopsis rubrolineata



- **Free plant**
- Origin: South Africa
- Min temp: to 14 deg F
- Grows a caudex in time
- Forms low mats
 - Rosette diameter: to 3 in
 - Height with caudex: to 4 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Echinocereus triglochidiatus



- Free plant
- Origin: USA (Arizona, Nevada, Utah, Colorado, California, New Mexico, Texas) and Mexico
- Min temp: to 14 deg F
- Forms dense cluster
 - Stem diameter: to 3 in
 - Height: to 1 ft
- Propagated from seed
- Full / Filtered sun
- Well-drained soil

Cheiridopsis purpurea

Free plant

- Origin: South Africa (Richtersveld)
- Min temp: protect from frost
- Eventually forms clumps
 - Rosette diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Thelocactus bicolor

- Free plant
- Origin: Texas (Trans Pecos)
- Min temp: to 14 deg F
- Prolific bloomer
- Usually solitary
 - Stem diameter: to 3 in
 - Stem height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Pleiospilos nelli



- **Free plant**
- **Origin: South Africa (Little Karoo, Great Karoo)**
- **Min temp: protect from frost**
- **Forms small clusters**
 - **Stem diameter: to 3 in**
 - **Clump height: to 3 in**
- **Full / Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Ferocactus latispinus

- Free plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 14 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Pleiospilos bolusii

- Free plant
- Origin: South Africa
- Min temp: give some protection in colder areas
- Usually solitary
 - Stem height: to 3 in
 - Stem diameter: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Mammillaria plumosa



- **Free plant**
- **Origin: Mexico (Coahuila, Nuevo Leon)**
- **Min temp: to 14 deg F**
- **Has soft, feathery spines**
- **Forms low dense clumps**
 - **Stem diameter: to 3 in**
 - **Stem height: to 3 in**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Sempervivem sp

- Free plant
- Origin: European mountains
- Min temp: to 20 deg F
- Aka 'House Leek,' 'Hen and Chicks'
- Forms dense cluster with lateral offsets
 - Stem height: to 1 in
 - Stem diameter: to 2 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Thelocactus hexadrophorus



- **Free plant**
- **Origin: Mexico (San Luis Potosi, Tamaulipas, Nuevo Leon, Zacatecas)**
- **Min temp: to 14 deg F**
- **Usually solitary**
 - **Stem diameter: to 8 in**
 - **Stem height: to 3 in**
- **Full sun**
- **Propagated from seed**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Gasteria glomerata



- **Free plant**
- **Origin: South Africa (Southeastern Cape Province)**
- **Min temp: protect from frost**
- **Habitat: sheer vertical rocky ledges**
- **Forms rounded clusters**
 - **Cluster diameter: to 3 in**
 - **Height: to 3 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Mammilloidya candida

- Free plant
- Origin: Mexico (Coahuila, Guanajuato, Nuevo Leon, San Luis Potosi, Tamaulipas)
- Min temp: to 14 deg F
- Aka 'Snowball Cactus'
- Forms small clusters
 - Stem diameter: to 2 in
 - Stem height: to 3 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Haworthia 'Manda's Hybrid'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- May turn red with more sunlight
- Forms rosette that offsets readily
 - Rosette size: to 2 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Titanopsis aff calcareum

- Free plant
- Origin: South Africa (Bushmanland, Upper Karoo)
- Min temp: to 14 deg F
- Habitat: Limestone outcrops
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Haworthia mirabilis var calcarea

Free plant

- Origin: South Africa (Western Cape Province)
- Min temp: protect from frost
- Forms tough spiky rosette
 - Diameter: to 8 in
 - Height: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



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- Bach's Cactus Nursery / Dan and Diane Bach
 - Miles' To Go / Miles Anderson





Tucson Cactus and Succulent Society August 2016

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

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Six tickets for \$5

Mangave hybrid

Manfreda x Agave

- Raffle plant
- Origin: Cultivar
- Min temp: give protection in colder areas
- Has faster growth rate than most agaves
- Usually single
 - Height: to 12 in
 - Diameter: to 18 in
- Propagated from ??
- Full / filtered sun
- Well-drained soil



Ariocarpus bravoanus



- **Raffle plant**
- **Origin: Mexico (San Luis Potosi)**
- **Min temp: give some protection in colder areas**
- **Rare – Endangered in habitat**
- **Grows slowly**
- **Usually forms solitary rosette**
 - **Height : to 2 in**
 - **Diameter: to 2 ½ in**
- **Propagated from seed**
- **Full sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

Cissus trifoliata

- **Raffle plant**
- **Origin: Southern United States (includes Arizona)**
- **Min temp: may need protection in hard frost**
- **Aka 'Arizona Grape Ivy'**
- **Herbaceous vine that forms large woody base**
 - **Vine length: to 12 ft**
 - **Leaf size: 2 x 3 in**
- **Propagated from seed, woody base**
- **Filtered sun**
- **Medium water use**
- **Use well drained soil mix**



Coryphantha macromeris



- Raffle plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Durango, Zacatecas)
- Min temp: to 14 deg F
- Has deep, massive taproot
- Branches profusely, forms low mound
 - Stem diameter: to 4 in
 - Stem height: to 6 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave toumeyana v bella

- Raffle plant
- Origin: USA (Arizona)
- Min temp: to 14 deg F
- TCSS field guide pp 238-239
- Forms dense rosette that eventually offsets
 - Diameter: to 8 in
 - Height: to 8 in
- Propagated from seeds, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus glaucescens

- Raffle plant
- Origin: Mexico (Hidalgo)
- Min temp: give protection in colder areas
- Habitat: juniper woodland
- Usually solitary, may form cluster in time
 - Height: to 2 ft
 - Diameter: to 18 in
- Has white fruit
- Propagated by seed, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Denmoza rhodacantha



- Door prize
- Origin: Argentina (Mendoza—Salta)
- Min temp: to 14 deg F
- Grows slowly, eventually forms columnar cactus
 - Diameter: to 1 ft
 - Height: to 5 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave ferdinandi-regis

- Door prize
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 14 deg F
- Forms rosette
 - Height: to 18 in
 - Diameter: to 18 in
- Grows slowly
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus herrerae



- Door prize
- Origin: Mexico (Sinaloa, Sonora)
- Min temp: protect from frost in colder areas
- Usually solitary
 - Diameter: to 2 ft
 - Height: to 3 ft
- Ribs occasionally grow in spiral pattern as cactus matures
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloe 'Raspberry Ruffles'

- Door prize
- Origin: Cultivar (Kelly Griffin)
- Min temp: protect from frost
- Forms rosette
 - Height: to 8 in
 - Diameter: to 8 in
- Propagated from seed
- Filtered sun
- Well-drained soil



Echinocereus subinermis var aculeatus



- Door Prize
- Origin: Mexico (Chihuahua, Sinaloa, Sonora)
- Min temp: protect from frost
- Usually solitary, may cluster
 - Diameter: to 8 in
 - Height: to 24 in
- Propagated from seed, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Agave vilmoriniana variegata

- Door Prize
- Origin: Mexico
- Min temp: to 20 deg F
- Rare form of Octopus Agave
- Usually solitary
 - Diameter: to 3 ft
 - Height: to 3 ft
- Full / filtered sun
- Propagated from bulbils produced within inflorescence
- Water when dry during warm weather
- Use highly porous, well-drained soil



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Haworthia emelyae v multifolia



- Free plant
- Origin: South Africa(Western Cape)
- Min temp: tolerates mild frost
- Gets reddish tinge with more sunlight
- Forms large clusters
 - Rosette diameter: to 2 in
 - Rosette height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferocactus wislizeni f flavispina



- Free plant
- Origin: Arizona (Cultivar by Chris Monrad)
- Min temp: to 14 deg F
- Yellow-spine form of Fishhook Barrel (common barrel in Tucson)
- Usually solitary
 - Diameter: to 18 in
 - Height: to 3 ft
- Propagated from seed
- Full
- Water when dry during warm weather
- Well-drained soil

Fouquieria burragei



- Free plant
- Origin: Mexico (Rare, restricted to southern portion of Baja California)
- Min temp: survives light freezes
- Bushier than splendens (common ocotillo)
- Forms large base
 - Base diameter: to 10 in
 - Height: to 20 ft
- Propagated from seed
- Full sun
- Likes more water than splendens
- Well-drained soil

Ferocactus acanthodes



- Free plant
- Origin: USA (Arizona, California)
Mexico (Sonora, Baja California)
- TCSS field guide pp 126-127
- Min temp: can tolerate some frost
- Usually solitary
 - Diameter: to 20 in
 - Height: to 6 ft
- Propagated from seed
- Full / filtered sun
- Well-drained soil

Euphorbia pseudoglobosa

- Free plant
- Origin: South Africa (Western Cape)
- Min temp: Protect from frost
- Forms cluster of segmented fingers
 - Finger height: to 4 in
 - Finger diameter: to 1 in
- Eventually grows caudex
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Gymnocalycium horstii

- Free plant
- Origin: Uruguay, Paraguay, Brazil, Argentina
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Hoodia juttea



- Free plant
- Origin: Namibia (Karas Mountains)
- Min temp: protect from frost
- Forms small shrublet
 - Stem height: to 12 in
 - Stem diameter: to 1 ½ in
- Flowers when mature, usually five years
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Escobaria hesteri



- Free plant
- Origin: USA (Western Texas)
- Min temp: may need protection from hard frost
- Prolific bloomer
- Forms dwarf mounds
 - Stem diameter: to 1 ½ in
 - Stem height: to 1 ½ in
- Propagated from seed, offsets
- Full / filtered sun
- Well-drained soil

Cheiridopsis purpurea

Free plant

- Origin: South Africa (Richtersveld)
- Min temp: protect from frost
- Eventually forms clumps
 - Rosette diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Frailea parviflora

- Free plant
- Origin: South America (southeastern)
- Min temp: unknown (protect from frost)
- May form offsets at base
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Caralluma socotrana



- Free plant
- Origin: Island of Socotra, Kenya
- Min temp: protect from frost
- Forms clusters
 - Stem diameter: to 1 in
 - Stem height: to 10 in
- Flowers pollinated by flies attracted to bad odor
- Full / filtered sun
- Propagated from seed, offsets
- Prone to rot in winter – water lightly
- Water when dry during warm weather
- Use highly porous, well-drained soil

Sulcorebutia arenacea

- Free plant
- Origin: Bolivia (Cochabamba)
- Min temp: to 14 deg F
- Usually solitary, may offset in time
 - Stem diameter: to 2 in
 - Stem height: to 1 ½ in
- Propagated from seed, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



Bursera microphylla



- Free plant
- Origin: USA (Arizona, California)
Mexico (Baja California, Sinaloa, Sonora, Zacatecas)
- Min temp: give some protection in colder areas
- TCSS field guide pp 250-251
- Forms caudiciform tree in habitat
 - Height: to 30 ft
 - Diameter: to 15 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Use well-drained soil

Thelocactus hexadrophorus



- Free plant
- Origin: Mexico (San Luis Potosi, Tamaulipas, Nuevo Leon, Zacatecas)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 3 in
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Gasteria glomerata



- **Free plant**
- **Origin: South Africa (Southeastern Cape Province)**
- **Min temp: protect from frost**
- **Habitat: sheer vertical rocky ledges**
- **Forms rounded clusters**
 - **Cluster diameter: to 3 in**
 - **Height: to 3 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Haworthia 'Manda's Hybrid'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- May turn red with more sunlight
- Forms rosette that offsets readily
 - Rosette size: to 2 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Titanopsis aff calcareum

- Free plant
- Origin: South Africa (Bushmanland, Upper Karoo)
- Min temp: to 14 deg F
- Habitat: Limestone outcrops
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Haworthia mirabilis var calcarea

Free plant

- Origin: South Africa (Western Cape Province)
- Min temp: protect from frost
- Forms tough spiky rosette
 - Diameter: to 8 in
 - Height: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloinopsis rubrolineata



- Free plant
- Origin: South Africa
- Min temp: to 14 deg F
- Grows a caudex in time
- Forms low mats
 - Rosette diameter: to 3 in
 - Height with caudex: to 4 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Thank You To Our Plant Suppliers This Month:

- Plants for the Southwest / Living Stones Nursery
 - B & B Cactus Farm
 - Miles' To Go





Tucson Cactus and Succulent Society September 2016

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Adenium hybrid

‘Desert Rose 491’ x ‘Twinkling Moonlight’

- Raffle plant
- Origin: Cultivar (Africa, Arabian peninsula)
- Min temp: protect from frost
- Forms caudiciform trunk
 - Plant height: to 6 ft
 - Plant diameter: to 4 ft
- Plant in shallow, wide container to encourage fat caudex
- Propagated from cuttings
- Full / filtered sun
- Well-drained soil



Ferocactus chrysacanthus



- Raffle plant
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Found on islands off west coast
- Usually solitary
 - Height : to 3 ft
 - Diameter: to 12 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Use well-drained soil

Euphorbia horrida

- **Raffle plant**
- **Origin: South Africa (Great Karoo)**
- **Min temp: give protection in colder areas**
- **Forms clusters of cylindrical stems**
 - **Stem height: 2 ft**
 - **Stem diameter: to 8 in**
- **Propagated from seed, cuttings**
- **Full / Filtered sun**
- **Medium water use**
- **Use well drained soil mix**



Ancistrocactus uncinatus



- Raffle plant
- Origin: USA (Southern Texas); Mexico (Coahuila, Nuevo Leon, San Luis Potosi, Zacatecas)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 4 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave colorata hybrid



- Raffle plant
- Origin: Mexico (Sonora)
- Min temp: to 14 deg F
- Has deep, massive taproot
- Forms offsets
 - Leaf width: to 7 in
 - Plant diameter: to 18 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Oreocereus trollii

- Raffle plant
- Origin: Bolivia, Northern Argentina
- Min temp: to 14 deg F
- Habitat: arid mountains
- Usually solitary, may form cluster in time
 - Height: to 2 ft
 - Diameter: to 12 in
- Propagated by seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



DOOR PRIZES

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Ferocactus gracilis

ssp gracilis



- Door prize
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 1 ft
 - Height: to 5 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave pygmaea

- Door prize
- Origin: Guatemala, Mexico (Chiapas)
- Min temp: protect from frost
- Dwarf hybrid 'Dragon Toes'
- Forms rosette
 - Height: to 12 in
 - Diameter: to 12 in
- Grows slowly
- Propagated from ??
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria grusonii



- Door prize
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- Larger species of Mammillaria
- Usually solitary
 - Diameter: to 1 ft
 - Height: to 1 ft
- Ribs occasionally grow in spiral pattern as cactus matures
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Jatropha dioica

- Door prize
- Origin: USA (Texas); Mexico (Tamaulipas, Oaxaca, Chihuahua)
- Min temp: to 14 deg F
- Aka "Leatherstem", "Dragon's Blood"
 - Stems produce latex
 - Changes color from clear-yellow to blood red when exposed to air
- Small sparse shrub
 - Height: to 24 in
 - Stem diameter: to 3 in
- Propagated from seed, cuttings
- Full / Filtered sun
- Well-drained soil



Mammillaria albicoma



- Door Prize
- Origin: Mexico (San Luis Potosi, Nuevo Leon, Tamaulipas)
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter: to 2 in
 - Stem height: to 2 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Agave stricta

- Door Prize
- Origin: Mexico (Puebla, Oaxaca)
- Min temp: to 14 deg F
- May turn red in cold, strong sun
- Rosettes eventually form clusters
 - Rosette diameter: to 2 ft
 - Rosette height: to 2 ft
- Full sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



FREE PLANTS

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Faucaria tuberculosa

- Free plant
- Origin: South Africa (Cape Province)
- Min temp: to 14 deg F
- Forms cluster of paired leaves
 - Leaf length: to 1 ½ in
 - Cluster height: to 1 ½ in
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Thelocactus bicolor v flavidispinus

- Free plant
- Origin: Texas (Marathon Basin)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 3 in
 - Stem height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria melaleuca



- Free plant
- Origin: Mexico (Tamaulipas, Palmillas)
- Min temp: to 14 deg F
- Forms clusters with age
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Mammillaria hahniana

- Free plant
- Origin: Mexico (Central)
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Euphorbia suzannae

- **Free plant**
- **Origin: South Africa (Cape Province, Little Karoo)**
- **Min temp: protect from frost**
- **Forms clusters**
 - **Stem diameter: to 1 in**
 - **Stem height: to 10 in**
- **Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**



Thelocactus bicolor v schottii

- Free plant
- Origin: Texas (Trans Pecos)
- Min temp: to 14 deg F
- Prolific bloomer
- Usually solitary
 - Stem diameter: to 3 in
 - Stem height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Faucaria candida

Free plant

- Origin: South Africa (Eastern Cape Province)
- Min temp: to 14 deg F
- Forms clusters of boat-shaped leaves
 - Leaf length: to 3 in
 - Cluster height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria standleyi



- Door prize
- Origin: Mexico (Sierra Madre in Sinaloa, Chihuahua, Sonora)
- Min temp: give protection in colder areas
- Forms clusters
 - Stem diameter: to 5 in
 - Height: to 5 in
- Propagated from cuttings, seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferocactus wislizeni f flavispina



- Free plant
- Origin: Arizona (Cultivar by Chris Monrad)
- Min temp: to 14 deg F
- Yellow-spine form of Fishhook Barrel (common barrel in Tucson)
- Usually solitary
 - Diameter: to 18 in
 - Height: to 3 ft
- Propagated from seed
- Full
- Water when dry during warm weather
- Well-drained soil

Mammillaria pachycylindrica



- Free plant
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 1 ft
 - Stem height: to 1 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Pleiospilos bolusii



- Free plant
- Origin: South Africa (Eastern and Western Cape)
- Min temp: to 14 deg F
- Gets reddish tinge with more sunlight
- Forms paired leaves
 - Leaf length: 3 in
 - Leaf width: to 1 1/2 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Gymnocalycium tillianum



- Free plant
- Origin: Argentina (Catamarca)
- Min temp: to 14 deg F
- Forms solitary flat globe
 - Base diameter: to 6 in
 - Height: to 4 in
- Propagated from seed
- Full sun
- Well-drained soil

Lobivia leucomalla



- Free plant
- Origin: Argentina (Catamarca)
- Min temp: to 14 deg F
- Forms solitary flat globe
 - Base diameter: to 6 in
 - Height: to 4 in
- Propagated from seed
- Full sun
- Well-drained soil

Gymnocalycium horstii

- Free plant
- Origin: Uruguay, Paraguay, Brazil, Argentina
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Lobivia aurea var sierragrandensis



- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- Usually solitary, may form offsets
 - Diameter: to 3 in
 - Height: to 6 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferocactus acanthodes



- Free plant
- Origin: USA (Arizona, California)
Mexico (Sonora, Baja California)
- TCSS field guide pp 126-127
- Min temp: can tolerate some frost
- Usually solitary
 - Diameter: to 20 in
 - Height: to 6 ft
- Propagated from seed
- Full / filtered sun
- Well-drained soil

Euphorbia pseudoglobosa

- Free plant
- Origin: South Africa (Western Cape)
- Min temp: Protect from frost
- Forms cluster of segmented fingers
 - Finger height: to 4 in
 - Finger diameter: to 1 in
- Eventually grows caudex
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Leuchtenbergia principis



- Free plant
- Origin: Mexico (San Luis Potosi, Chihuahua)
- Min temp: to 14 deg F
- Well camouflaged in habitat by long papery spines that resemble dry grass
- Usually solitary
 - Stem height: to 2 ft
 - Stem diameter: to 10 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Cheiridopsis purpurea

Free plant

- Origin: South Africa (Richtersveld)
- Min temp: to 14 deg F
- Eventually forms clumps
 - Rosette diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria sphaerica



- Free plant
- Origin: USA (SE Texas), Mexico (Tamaulipas)
- Min temp: to 14 deg F
- Prolific bloomer
- Forms clusters
 - Stem diameter: to 3 in
 - Stem height: to 4 in
- Propagated from seed, offsets
- Full / Filtered sun
- Well-drained soil

Frailea parviflora

- Free plant
- Origin: South America (southeastern)
- Min temp: unknown (protect from frost)
- May form offsets at base
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloinopsis rubrolineata

- Free plant
- Origin: South Africa
- Min temp: to 14 deg F
- Mesemb that grows as a low mat
- Eventually forms caudex
 - Leaf length: to 2 in
 - Stem height: to 3 in
- Propagated from cuttings
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Bursera microphylla



- Free plant
- Origin: USA (Arizona, California)
Mexico (Baja California, Sinaloa, Sonora, Zacatecas)
- Min temp: give some protection in colder areas
- TCSS field guide pp 250-251
- Forms caudiciform tree in habitat
 - Height: to 30 ft
 - Diameter: to 15 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Use well-drained soil

Gasteria glomerata



- Free plant
- Origin: South Africa (Southeastern Cape Province)
- Min temp: protect from frost
- Habitat: sheer vertical rocky ledges
- Forms rounded clusters
 - Cluster diameter: to 3 in
 - Height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Titanopsis aff calcareum

- Free plant
- Origin: South Africa (Bushmanland, Upper Karoo)
- Min temp: to 14 deg F
- Habitat: Limestone outcrops
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



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- Miles' To Go
- B & B Cactus Farm
- Plants for the Southwest / Living Stones
Nursery





Tucson Cactus and Succulent Society October 2016

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Eulophia petersii

Desert Orchid

- **Raffle plant**
- **Origin: Africa (Namibia), Arabian peninsula**
- **Min temp: to 14 deg F**
- **Grows under same conditions as cacti or euphorbias**
- **Forms large pseudobulbs**
 - **Plant height: to 14 in**
 - **Plant diameter: to 6 in**
- **Plant in deep pot**
- **Propagated from bulbs, seed**
- **Full / filtered sun**
- **Well-drained soil**



Ferocactus latispinus



- Raffle plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Solitary
 - Stem diameter: to 14 in
 - Stem height: to 12 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave guiengola variegata 'Crème brûlée'

- **Raffle plant**
- Origin: Mexico (cultivar)
- Min temp: give protection in colder areas
- Forms clusters
 - Height: 3-4 ft
 - Diameter: 4-5 ft
- Propagated from seed, cuttings
- Full / Filtered sun
- Medium water use
- Use well drained soil mix



Mammillaria parkisonii

'Owl Eye Cactus'



- Raffle plant
- Origin: Mexico (Queretero, Hidalgo)
- Min temp: to 14 deg F
- Known for dichotomous branching
- Forms large mounding cluster
 - Stem diameter: to 6 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Echeveria hybrid 'Raindrops'



- Raffle plant
- Origin: Mexico (cultivar)
- Min temp: give protection in colder areas
- Smallest of bumpy leaf cultivars
- Usually solitary
 - Height: to 6
 - Diameter: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria petersonii

- Raffle plant
- Origin: Mexico (Zacatecas)
- Min temp: to 14 deg F
- Usually solitary, may form cluster in time
 - Height: to 2 ft
 - Diameter: to 12 in
- Propagated by seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



DOOR PRIZES

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Must have your name tag

Titanopsis hugo-schlechteri

Door Prize

- Origin: Namibia, South Africa (Great Namaqualand)
- Min temp: 14 deg F
- Warts and bumps on plant serve as camouflage in limestone habitat
- Forms multi-headed rosettes
 - Diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange/pink
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus emoryi ssp covillei



- Door prize
- Origin: Mexico (Sonora); Arizona (Yuma, Maricopa)
- Min temp: to 14 deg F
- TCSS field guide pp 128-129
- Usually solitary, forms heavy spines
 - Diameter: to 18 in
 - Height: to 2 ft
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Gasteria glomerulata hybrid

- Door prize
- Origin: South Africa
- Min temp: give some protection in colder areas
- Forms small cluster
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Propagated from cuttings, seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria standleyi



- Door prize
- Origin: Mexico (Chihuahua, Sinaloa, Sonora)
- Min temp: give some protection in colder areas
- Forms mounding clusters
 - Diameter: to 1 ft
 - Height: to 5 ft
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Haworthia species

- Door prize
- Origin: South Africa (Eastern Cape Province)
- Min temp: protect from frost
- Forms cluster
 - Rosette diameter: to 4 in
 - Rosette height: to 4 in
- Propagated from seed or offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria geminispina

ssp geminispina



- Door prize
- Origin: Mexico (Hidalgo, Queretaro, San Luis Potosi)
- Min temp: to 14 deg F
- Forms large mounding clusters
 - Stem height: to 7 in
 - Stem diameter: to 3 in
- Propagated from seed, cuttings
- Full sun
- Well-drained soil

FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Leuchtenbergia principis

Free plant

- Origin: Mexico (San Luis Potosi, Chihuahua)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 1 ft
 - Height: to 1 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Haworthia 'Manda's Hybrid'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- May turn red with more sunlight
- Forms rosette that offsets readily
 - Rosette size: to 2 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Echinocereus triglochidiatus



- Free plant
- Origin: USA (Arizona, Nevada, Utah, Colorado, California, New Mexico, Texas) and Mexico
- Min temp: to 14 deg F
- Forms dense cluster
 - Stem diameter: to 3 in
 - Height: to 1 ft
- Propagated from seed
- Full / Filtered sun
- Well-drained soil

Mammillaria plumosa



- **Free plant**
- **Origin: Mexico (Coahuila, Nuevo Leon)**
- **Min temp: to 14 deg F**
- **Has soft, feathery spines**
- **Forms low dense clumps**
 - **Stem diameter: to 3 in**
 - **Stem height: to 3 in**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Thelocactus hexadrophorus



- Free plant
- Origin: Mexico (San Luis Potosi, Tamaulipas, Nuevo Leon, Zacatecas)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 3 in
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Euphorbia milii

- Free plant
- Origin: Madagascar
- Min temp: protect from frost
- Forms small woody shrub
 - Height: to 3 ft
 - Diameter: to 2 ft
- Prolific bloomer
- Propagated from seed, tip cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Thelocactus heterochromus

- Free plant
- Origin: Mexico (Durango, Coahuila)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 6 in
 - Height: to 3 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria marksiana



- **Free plant**
- **Origin: Mexico (Sonora, Sinaloa, Durango)**
- **Min temp: to 14 deg F**
- **Forms clusters with age**
 - **Stem diameter: to 5 in**
 - **Stem height: to 4 in**
- **Full / Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Gymnocalycium baldianum

- Free plant
- Origin: Argentina (Catamarca)
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 5 in
 - Stem height: to 4 in
- Flowers readily
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Notocactus haselbergii



- **Free plant**
- **Origin: Brazil (Rio Grande do Sul)**
- **Min temp: give some protection in colder areas**
- **Usually solitary**
 - **Diameter: to 6 in**
 - **Height: to 4 in**
- **Filtered sun**
- **Propagated from seed**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Ferocactus wislizeni f flavispina



- Free plant
- Origin: Arizona (Cultivar by Chris Monrad)
- Min temp: to 14 deg F
- Yellow-spine form of Fishhook Barrel (common barrel in Tucson)
- Usually solitary
 - Diameter: to 18 in
 - Height: to 3 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Pleiospilos bolusii



- Free plant
- Origin: South Africa (Eastern and Western Cape)
- Min temp: to 14 deg F
- Gets reddish tinge with more sunlight
- Forms paired leaves
 - Leaf length: 3 in
 - Leaf width: to 1 1/2 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Gymnocalycium horstii

- Free plant
- Origin: Uruguay, Paraguay, Brazil, Argentina
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Lobivia aurea var sierragrandensis



- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- Usually solitary, may form offsets
 - Diameter: to 3 in
 - Height: to 6 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Leuchtenbergia principis



- Free plant
- Origin: Mexico (San Luis Potosi, Chihuahua)
- Min temp: to 14 deg F
- Well camouflaged in habitat by long papery spines that resemble dry grass
- Usually solitary
 - Stem height: to 2 ft
 - Stem diameter: to 10 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Cheiridopsis purpurea

Free plant

- Origin: South Africa (Richtersveld)
- Min temp: to 14 deg F
- Eventually forms clumps
 - Rosette diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Frailea parviflora

- Free plant
- Origin: South America (southeastern)
- Min temp: unknown (protect from frost)
- May form offsets at base
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria glomerata



- **Free plant**
- **Origin: South Africa (Southeastern Cape Province)**
- **Min temp: protect from frost**
- **Habitat: sheer vertical rocky ledges**
- **Forms rounded clusters**
 - **Cluster diameter: to 3 in**
 - **Height: to 3 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Titanopsis aff calcareum

- Free plant
- Origin: South Africa (Bushmanland, Upper Karoo)
- Min temp: to 14 deg F
- Habitat: Limestone outcrops
- Forms clusters
 - Stem diameter: to 3 in
 - Clump height: to 5 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Thank You To Our Plant Suppliers This Month:

- Bach's Greenhouse Cactus Nursery
 - Miles' To Go
- B & B Cactus Farm





Tucson Cactus and Succulent Society November 2016

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Mammillaria parkinsonii

‘Owl Eye Cactus’



- Raffle plant
- Origin: Mexico (Queretero, Hidalgo)
- Min temp: to 14 deg F
- Known for dichotomous branching
- Forms large mounding cluster
 - Stem diameter: to 6 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Hesperoyucca whipplei

var whipplei

- **Raffle plant**
- **Origin: California**
- **Min temp: to 10 deg F**
- **Forms large dense rosette**
 - **Plant height: to 3 ft**
 - **Plant diameter: to 4 ft**
- **Grows large spiky flower**
- **Propagated from offsets, seed**
- **Full / filtered sun**
- **Well-drained soil**



Peniocereus viperinus



- Raffle plant
- Origin: Mexico (Morelos, Oaxaca, Puebla)
- Min temp: protect from frost in colder areas
- Has numerous slender branches and tuberous root
 - Stem diameter: to ½ in
 - Stem height: to 3 ft
- Propagated from seed, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Gasteria acinacifolia x nitida

- **Raffle plant**
- **Origin: Mexico (cultivar)**
- **Min temp: protect from frost**
- **Forms large rosette with offsets**
 - **Height: to 9 in**
 - **Diameter: to 12 in**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Medium water use**
- **Use well drained soil mix**



Echinocactus horizontalthalonus

- Raffle plant
- Origin: USA (Arizona, New Mexico, Texas) ; Mexico (Nuevo Leon, San Luis Potosi)
- Min temp: to 14 deg F
- Usually solitary
 - Height: to 8 ft
 - Diameter: to 8 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Gasteria batesiana var batesiana



- **Raffle plant**
- **Origin: South Africa, Namibia**
- **Min temp: protect from frost**
- **Forms small rosettes**
 - **Height: to 6**
 - **Diameter: to 6 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Ferocactus hematacanthus ssp hematacanthus

Door Prize

- Origin: USA (New Mexico, Texas); Mexico (Chihuahua)
- Min temp: 14 deg F
- Usually solitary
 - Diameter: to 8 in
 - Height: to 16 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloe tullearensis



- Door prize
- Origin: Madagascar
- Min temp: protect from frost
- Forms flattened rosette:
 - Diameter: to 18 in
 - Height: to 6 in
- Filtered sun
- Propagated from seed, cuttings
- Water when dry during warm weather
- Use highly porous, well-drained soil

Gymnocalycium denudatum cv 'Jan Suba'

- Door prize
- Origin: Brazil, Argentina, Uruguay
- Min temp: to 14 deg F
- Cultivar
 - *Gymnocalycium denudatum* x *G baldianum*
- Usually solitary
 - Stem height: to 4 in
 - Stem diameter: to 6 in
- Propagated from cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloe megalacantha



- Door prize
- Origin: Africa (Ethiopia, Somalia)
- Min temp: protect from frost
- Forms rosette
 - Diameter: to 18 in
 - Height: to 2 ft
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria crassimammillis

- Door prize
- Origin: Mexico (Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary, flat
 - Diameter: to 12 in
 - Height: to 8 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloe hahnii



- Door prize
- Origin: South Africa (Limpopo Province)
- Min temp: protect from frost
- New species described in 2009
- Usually solitary
 - Height: to 14 in
 - Diameter: to 24 in
- Propagated from seed, offsets
- Full / Filtered sun
- Well-drained soil

FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Peniocereus greggi

‘Queen of the Night’

Free plant

- Origin: USA (Arizona, New Mexico, Texas); Mexico (Sonora, Chihuahua, Durango, Coahuila)
- Min temp: to 14 deg F
- Grows under trees and bushes
- Has large tuberous root
- Forms long slender stems
 - Stem diameter: to $\frac{3}{4}$ in
 - Height: to 6 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria carinata v verrucosa



Free plant

- Origin: Africa (Western Cape)
- Min temp: protect from frost
- Forms small dense clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferocactus santa-maria

- Free plant
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 1 ft
 - Height: to 2 ft
- Propagated from seed
- Full / Filtered sun
- Well-drained soil



Haworthia cymbiformis var incurvula



Free plant

- Origin: Africa (Eastern Cape)
- Min temp: protect from frost
- Forms small dense clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferocactus peninsulae var viscainoensis

- Free plant
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 1 ft
 - Height: to 2 ft
- Propagated from seed
- Full sun
- Well-drained soil



Haworthia venosa var tessellata



Free plant

- Origin: Africa (Namibia)
- Min temp: protect from frost
- Forms small dense clusters
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria longimamma

- Free plant
- Origin: Mexico (Hidalgo)
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter: to 3 in
 - Height: to 2 in
- Propagated from seed, offsets
- Full / Filtered sun
- Well-drained soil



Stenocereus thurberi

'Organ Pipe Cactus'



- **Free plant**
- **Origin: Arizona, Mexico (Sonora, Baja California)**
- **Min temp: protect from frost in colder areas**
- **Forms multiple stems from base**
 - **Stem diameter: to 6 in**
 - **Stem height: to 16 ft**
- **Propagated from seed, offsets**
- **Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Haworthia 'Manda's Hybrid'

Free plant

- Origin: Cultivar
- Min temp: protect from frost
- May turn red with more sunlight
- Forms rosette that offsets readily
 - Rosette size: to 2 in
 - Height: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Echinocereus triglochidiatus



- Free plant
- Origin: USA (Arizona, Nevada, Utah, Colorado, California, New Mexico, Texas) and Mexico
- Min temp: to 14 deg F
- Forms dense cluster
 - Stem diameter: to 3 in
 - Height: to 1 ft
- Propagated from seed
- Full / Filtered sun
- Well-drained soil

Mammillaria plumosa



- **Free plant**
- **Origin: Mexico (Coahuila, Nuevo Leon)**
- **Min temp: to 14 deg F**
- **Has soft, feathery spines**
- **Forms low dense clumps**
 - **Stem diameter: to 3 in**
 - **Stem height: to 3 in**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Notocactus buiningii

- Free plant
- Origin: Brazil, Uruguay
- Min temp: can tolerate occasional frost in warmer areas of town
- Usually solitary
 - Stem diameter: to 5 in
 - Stem height: to 3 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Thelocactus hexadrophorus



- Free plant
- Origin: Mexico (San Luis Potosi, Tamaulipas, Nuevo Leon, Zacatecas)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 3 in
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

Euphorbia milii

- Free plant
- Origin: Madagascar
- Min temp: protect from frost
- Forms small woody shrub
 - Height: to 3 ft
 - Diameter: to 2 ft
- Prolific bloomer
- Propagated from seed, tip cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Thelocactus heterochromus

- Free plant
- Origin: Mexico (Durango, Coahuila)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 6 in
 - Height: to 3 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria marksiana



- Free plant
- Origin: Mexico (Sonora, Sinaloa, Durango)
- Min temp: to 14 deg F
- Forms clusters with age
 - Stem diameter: to 5 in
 - Stem height: to 4 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Gymnocalycium baldianum

- Free plant
- Origin: Argentina (Catamarca)
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 5 in
 - Stem height: to 4 in
- Flowers readily
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Notocactus haselbergii



- **Free plant**
- **Origin: Brazil (Rio Grande do Sul)**
- **Min temp: give some protection in colder areas**
- **Usually solitary**
 - **Diameter: to 6 in**
 - **Height: to 4 in**
- **Filtered sun**
- **Propagated from seed**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Ferocactus wislizeni f flavispina



- Free plant
- Origin: Arizona (Cultivar by Chris Monrad)
- Min temp: to 14 deg F
- Yellow-spine form of Fishhook Barrel (common barrel in Tucson)
- Usually solitary
 - Diameter: to 18 in
 - Height: to 3 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Gymnocalycium horstii

- Free plant
- Origin: Uruguay, Paraguay, Brazil, Argentina
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 8 in
 - Stem height: to 6 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Leuchtenbergia principis



- Free plant
- Origin: Mexico (San Luis Potosi, Chihuahua)
- Min temp: to 14 deg F
- Well camouflaged in habitat by long papery spines that resemble dry grass
- Usually solitary
 - Stem height: to 2 ft
 - Stem diameter: to 10 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Cheiridopsis purpurea

Free plant

- Origin: South Africa (Richtersveld)
- Min temp: to 14 deg F
- Eventually forms clumps
 - Rosette diameter: to 3 in
 - Height: to 2 in
- May have a tint of orange
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Frailea parviflora

- Free plant
- Origin: South America (southeastern)
- Min temp: unknown (protect from frost)
- May form offsets at base
 - Stem diameter: to 3 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gasteria glomerata



- **Free plant**
- **Origin: South Africa (Southeastern Cape Province)**
- **Min temp: protect from frost**
- **Habitat: sheer vertical rocky ledges**
- **Forms rounded clusters**
 - **Cluster diameter: to 3 in**
 - **Height: to 3 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Titanopsis aff calcareum

- **Free plant**
- **Origin: South Africa (Bushmanland, Upper Karoo)**
- **Min temp: to 14 deg F**
- **Habitat: Limestone outcrops**
- **Forms clusters**
 - **Stem diameter: to 3 in**
 - **Clump height: to 5 in**
- **Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**



Thank You To Our Plant Suppliers This Month:

- Arid Lands Greenhouses
 - Miles' To Go
- Bach's Greenhouse Cactus Nursery
 - B & B Cactus Farm

