



Tucson Cactus and Succulent Society January 2017

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Ferocactus pilosus



- **Raffle plant**
- **Origin: Mexico (Nuevo Leon, San Luis Potosi, Coahuila, Zacatecas)**
- **Min temp: to 14 deg F**
- **Has wispy and hairy white spines**
- **May form clusters**
 - **Stem diameter: to 15 in**
 - **Height: to 6 ft**
- **Propagated from seed, offsets**
- **Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Pedilanthus macrocarpus

- Raffle plant
- Origin: Mexico (Sonora)
- Min temp: protect from frost
- Has very tiny leaves
- Forms low bush
 - Plant height: to 3 ft
 - Plant diameter: to 3 ft
- Grows slowly
- Propagated from offsets, seed
- Full / filtered sun
- Well-drained soil



Ferocactus macrodiscus



- Raffle plant
- Origin: Mexico (San Luis Potosi, Guanajuato, Oaxaca)
- Min temp: protect from frost in colder areas
- Grows very slowly and low
- Usually solitary
 - Diameter: to 12 in
 - Height: to 5 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Agave chazaroi

- **Raffle plant**
- **Origin: Mexico (Jalisco)**
- **Min temp: protect from frost**
- **Recently described (2007)**
- **Forms large open rosette**
 - **Height: to 5 ft**
 - **Diameter: to 5 ft**
- **Propagated from seed**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well drained soil mix**



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

Ferocactus alamosanus

- Raffle plant
- Origin: Mexico (Sonora)
- Min temp: protect from frost in colder areas
- Species threatened in habitat
- Usually solitary
 - Height: to 10 in
 - Diameter: to 12 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Gasteria glomerata hybrid

- Door prize
- Origin: South Africa
- Min temp: give some protection in colder areas
- Forms small cluster
 - Stem height: to 5 in
 - Stem diameter: to 4 in
- Propagated from cuttings, seed
- 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

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



Haworthia cooperi var dielsiana



- 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

Astrophytum ornatum

Door Prize

- Origin: Mexico (Hidalgo, Queretaro, Guanajuato)
- Min temp: 14 deg F
- Usually solitary
 - Diameter: to 12 in
 - Height: to 3 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria pachycylindrica



- Door prize
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- One of largest species in genus
- Usually solitary
 - Diameter: to 12
 - Height: to 8 in
- Full sun
- Propagated from seed, cuttings
- 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

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

Astrophytum asterias

- Free plant
- Origin: Texas (Lower Rio Grande Valley); Mexico (Nuevo Leon, Tamaulipas)
- Min temp: to 14 deg F
- Geophytic
- Usually solitary
 - Stem diameter: to 6 in
 - Height: to 3 in
- Propagated from seed
- Filtered 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**

Agave multiflifera



- Free plant
- Origin: Mexico (Chihuahua, Durango, Sinaloa)
- Min temp: to 14 deg F
- Grows slowly
- Forms dense solitary rosette
 - Diameter: to 4 ft
 - Height: to 3 ft
- Propagated from seed
- Full 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**

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



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**

Thank You To Our Plant Suppliers This Month:

- Starr Nursery
- Arid Lands Greenhouses
 - B & B Cactus Farm
 - Miles' To Go





Tucson Cactus and Succulent Society February 2017

RAFFLE PLANTS
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Ferocactus hamatacanthus



- **Raffle plant**
- **Origin: Texas, New Mexico, Mexico**
- **Min temp: to 14 deg F**
- **May form clusters**
 - **Stem diameter: to 8 in**
 - **Height: to 12 in**
- **Propagated from seed, offsets**
- **Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Agave wocomahi

- Raffle plant
- Origin: Mexico (Sonora, Chihuahua), New Mexico
- Min temp: to 14 deg
- Solitary
 - Height: to 20 in
 - Diameter: to 20 in
- Grows slowly
- Propagated from seed
- Full sun
- Well-drained soil



Parodia magnifica



- Raffle plant
- Origin: Brazil (Rio Grande do Sul)
- Min temp: to 14 deg F
- Yellow flowers
- May form clusters
 - Diameter: to 6 in
 - Height: to 18
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloe melanacantha

- **Raffle plant**
- **Origin: Namaqualand**
- **Min temp: to 25 deg F**
- **Forms solitary rounded rosette**
 - **Height: to 12 in**
 - **Diameter: to 18 in**
- **Propagated from seed**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well drained soil mix**



Mammillaria parkinsonii



- Raffle plant
- Origin: Mexico (Queretero)
- Min temp: to 14 deg F
- Forms clusters
 - Plant height: to 6 in
 - Plant diameter: to 6 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Aloe aculeate

- Raffle plant
- Origin: South Africa, Zimbabwe, Mozambique
- Min temp: protect from frost in colder areas
- Species threatened in habitat
- Usually solitary
 - Height: to 24 in
 - Diameter: to 18 in
- Propagated by seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



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Ferocactus pottsii

- Door prize
- Origin: Mexico (Chihuahua, Sonora, Sinaloa)
- Min temp: to 14 deg F
- Usually solitary
 - Height: to 2 ft
 - Diameter: to 18 in
- Propagated from cuttings, seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Cephalophyllum 'Red Spike'



- Door prize
- Origin: South Africa
- Min temp: to 25 deg F
- Forms low ground cover
 - Diameter: to 18 in
 - Height: to 5 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Mammillaria mystax

- Door prize
- Origin: Mexico (Hidalgo, Oaxaca, Puebla)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 8 in
 - Height: to 6 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Aloe humilis



- 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

Thelocactus riconensis var nidulans

Door Prize

- Origin: Mexico (Coahuila)
- Min temp: 14 deg F
- Usually solitary
 - Diameter: to 5 in
 - Height: to 3 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Aloe distans



- Door prize
- Origin: South Africa
- Min temp: to 20 deg F
- Forms sprawling clusters
 - Plant diameter: to 5 in
 - Plant length: to 3 ft
- Filtered sun
- Propagated from seed, cuttings
- Water when dry during warm weather
- Use highly porous, well-drained soil

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Echinocactus platyacanthus

- Free plant
- Origin: Mexico (wide range throughout northeast and central)
- Min temp: to 14 deg F
- Grows slowly and eventually may become massive
- Usually solitary
 - Stem diameter: to 3 ft
 - Height: to 8 ft
- Propagated from seed, offsets
- Full sun
- Well-drained soil



Faucaria tuberculosa

Japanese line



Free plant

- Origin: South Africa (Cape Province)
- Cultivar: super warty
- Min temp: to 14 deg F
- 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

Astrophytum asterias

- Free plant
- Origin: Texas (Lower Rio Grande Valley); Mexico (Nuevo Leon, Tamaulipas)
- Min temp: to 14 deg F
- Geophytic
- Always solitary
 - Diameter: to 6 in
 - Height: to 3 in
- Propagated from seed
- Filtered sun
- Well-drained soil



Pleiospilos bolusii



Free plant

- Origin: South Africa (Western and Eastern Cape)
- Min temp: to 14 deg F
- Usually solitary; may cluster
 - 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 hahniana

- **Free plant**
- **Origin: Mexico (Guanajuato, San Luis Potosi, Queretero)**
- **Min temp: to 14 deg F**
- **Forms clusters**
 - **Stem diameter: to 3 in**
 - **Stem height: to 2 in**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Well-drained soil**



Titanopsis aff calcareum



- Free plant
- Origin: South Africa (Bushmanland, Upper Karoo)
- Min temp: to 14 deg F
- Forms multiple stems from base
 - Stem diameter: to 3 in
 - Stem height: to 2 in
- Propagated from seed, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Agave multiflifera

- **Free plant**
- **Origin: Mexico (Chihuahua, Durango, Sinaloa)**
- **Min temp: to 14 deg F**
- **Grows slowly**
- **Forms dense solitary rosette**
 - **Diameter: to 4 ft**
 - **Height: to 3 ft**
- **Propagated from seed**
- **Full sun**
- **Well-drained soil**



Aloinopsis rubrolineata



- **Free plant**
- **Origin: South Africa (Graff Renet)**
- **Min temp: to 14 deg F**
- **Grows as low multi-branched mat**
- **Eventually forms large caudex**
 - **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 'Silver Fuji'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Eventually forms cluster
 - 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 rosulata



- Free plant
- Origin: South Africa
- Min temp: to 14 deg F
- Starts as low multi-branched mat
- Eventually forms large caudex
 - 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

Gasteraloe 'Green Ice'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Eventually forms dense rosette
 - Stem height: to 5 in
 - Stem diameter: to 5 in
- Variable coloration
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Euphorbia obesa hybrid



- **Free plant**
- **Origin: Africa (cultivar)**
- **Min temp: protect from frost**
- **Usually solitary; may cluster**
 - **Diameter: to 3 in**
 - **Height: to 4 in**
- **Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Euphorbia suzannae

- **Free plant**
- **Origin: South Africa (Little Karoo, Cape Province)**
- **Min temp: protect from frost**
- **Eventually forms dense rosette**
 - **Stem height: to 6 in**
 - **Stem diameter: to 1 1/2 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**



Haworthia limifolia

- Free plant
- Origin: South Africa, Mozambique, Swaziland
- Min temp: protect from frost
- Forms dense cluster
 - Stem diameter: to 7 in
 - Stem length: to 12 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Aloe zanzibarica



- **Free plant**
- **Origin: Africa (Kenya)**
- **Min temp: protect from frost**
- **Forms large hanging clusters**
 - **Stem diameter: to 4 in**
 - **Stem length: to 8 in**
- **Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Aloe jucunda

- Free plant
- Origin: Somalia
- Min temp: protect from frost
- Forms dense clusters
 - Stem height: to 12 in
 - Stem diameter: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Aloe 'Latte' (K. Griffin)



- Free plant
- Origin: Cultivar
- Min temp: give frost protection in colder areas
- Forms cluster
 - Stem diameter: to 7 in
 - Stem length: to 12 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Haworthia emelyae v. multifolia

- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Forms dense rosette
 - Stem diameter: to 7 in
 - Stem length: to 5 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Haworthia herrei v. jacobseniana



- Free plant
- Origin: South Africa (Eastern Cape, Little Karoo)
- Min temp: protect from frost
- Forms hanging cluster
 - Stem diameter: to 3 in
 - Stem length: to 12 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Haworthia 'Mandy's Hybrid'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Has variable coloration
- Forms dense clusters
 - Stem height: to 6 in
 - Stem diameter: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Haworthia decipians



- **Free plant**
- **Origin: South Africa (Eastern Cape, Western Cape)**
- **Min temp: protect from frost**
- **Forms dense cluster**
 - **Stem diameter: to 3 in**
 - **Stem height: to 3 in**
- **Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

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Ferocactus alamosanus

- Raffle plant
- Origin: Mexico (Sonora)
- Min temp: protect from frost in colder areas
- Species threatened in habitat
- Usually solitary
 - Height: to 3 ft
 - Diameter: to 14 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Abromeitiella brevifolia



- Raffle plant
- Origin: Argentina, Bolivia
- Min temp: protect from frost
- Drought-resistant bromeliad
- Forms dense dome-like cluster
 - Stem height: to 1 1/2 in
 - Stem diameter: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well drained soil mix

Ferocactus hystrix

- Raffle 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



Pachyveria hybrid 'Blue Belle'



- Raffle plant
- Origin: Africa (cultivar)
- Min temp: protect from frost
- Forms dense clusters
 - Stem height: to 3 in
 - Stem diameter: to 4 in
- Propagated from offsets
- Filtered sun
- Well-drained soil

Gymnocalycium saglionis

- Raffle plant
- Origin: Argentina
- Min temp: to 14 deg F
- Solitary barrel cactus
 - Stem diameter to 15 in
 - Height: to 3 ft
- Largest of the gymnos
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Crassula hybrid 'Morgan's Beauty'



- Raffle plant
- Origin: Africa (cultivar)
- Min temp: protect from frost
- C falcata x C mesembryanthemopsis
- Blooms in winter
- Forms small compact clusters
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

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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



Agave 'Mad Cow'

A bovicornuta x *A colorata*



- Door prize
- Origin: Mexico (cultivar)
- Min temp: to 18 deg F
- May cluster
 - Diameter: to 2 ft
 - Height: to 2 ft
- Propagated from seed or offsets
- Full / 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



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

Gymnocalycium cardenasianum

- Door prize
- Origin: Bolivia
- Min temp: give protection in colder areas
- Covered with strong twisted spines that often prevent flower from opening fully
- Usually solitary
 - Diameter: to 6 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Haworthia hybrid



- Door prize
- Origin: South Africa (cultivar)
- Min temp: to 25 deg F
- Forms low ground cover
 - Stem diameter: to 3 in
 - Stem height: to 1½ in
- Filtered sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

FREE PLANTS

Rules:

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Please be courteous

Aloe humilis



- Free plant
- 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

Echinocereus viridiflorus v carrellii

- Free plant
- Origin: South Texas
- Min temp: to 14 deg F
- Variety that grows singly or forms two stems
 - Stem height: to 5 in
 - Stem diameter: to 2 in
- Full sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil



Aloe jucunda

- Free plant
- Origin: Somalia
- Min temp: protect from frost
- Forms dense clusters
 - Stem height: to 12 in
 - Stem diameter: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use 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

Acanthocalycium thionanthum

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



Mammillaria wiesingeri



- Free plant
- Origin: Mexico (Hidalgo)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 2 in
 - Height: to 3 in
- Propagated from seed
- Full sun
- Well-drained soil

Mammillaria mixtecensis (mystax)

- Free plant
- Origin: Mexico (central)
- Min temp: to 14 deg F
- Flowers rose-purple
- Solitary
 - Height: to 6 in
 - Diameter: to 4 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Echinocereus triglochidiatus v gonacanthus (White Sands)



- Free plant
- Origin: New Mexico
- Min temp: to 14 deg F
- Forms open cluster
 - Stem diameter: to 4 in
 - Height: to 2 ft
- Propagated from seed
- Full sun
- Well-drained soil

Neoporteria senilis

- Free plant
- Origin: Chile (Rio Chapoa)
- Min temp: to 14 deg F
- Solitary
 - Height: to 7 in
 - Diameter: to 3 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Oreocereus leucotrichus



- **Free plant**
- **Origin: Peru (southern), Chile (northern)**
- **Min temp: to 14 deg F**
- **Forms dense broad clumps**
 - **Stem diameter: to 4 in**
 - **Height: to 6 ft**
- **Propagated from seed**
- **Full / Filtered sun**
- **Well-drained soil**

Euphorbia suzannae

- Free plant
- Origin: South Africa (Little Karoo, Cape Province)
- Min temp: protect from frost
- Eventually forms dense rosette
 - Stem height: to 6 in
 - Stem diameter: to 1 1/2 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Thelocactus bicolor v bicolor

- Free plant
- Origin: Texas, Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 4 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Well-drained soil



Acanthocalycium violaceum



Free plant

- Origin: Argentina
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 6 in
 - Height: to 18 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Gasteria 'Silver Fuji'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Eventually forms cluster
 - 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



Astrophytum myriostigma

- Free plant
- Origin: Mexico (central and northern highlands)
- Min temp: to 14 deg F
- Has no spines
- Usually solitary
 - Diameter: to 8 in
 - Height: to 2 ft
- Propagated from seed
- Full sun
- Well-drained soil



Thelocactus bicolor v schwarzii

- Free plant
- Origin: Mexico (Tamaulipas)
- Min temp: to 14 deg F
- Has showy flowers
- Usually solitary
 - Height: to 6 in
 - Stem diameter: to 3 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Use well-drained soil



Aloinopsis rosulata



- Free plant
- Origin: South Africa
- Min temp: to 14 deg F
- Starts as low multi-branched mat
- Eventually forms large caudex
 - 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

Mammillaria hahniana

- **Free plant**
- **Origin: Mexico (Guanajuato, San Luis Potosi, Queretero)**
- **Min temp: to 14 deg F**
- **Forms clusters**
 - **Stem diameter: to 3 in**
 - **Stem height: to 4 in**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Well-drained soil**



Titanopsis aff calcareum



- Free plant
- Origin: South Africa (Bushmanland, Upper Karoo)
- Min temp: to 14 deg F
- Forms multiple stems from base
 - Stem diameter: to 3 in
 - Stem height: to 2 in
- Propagated from seed, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Haworthia herrei v. jacobsoniana



- Free plant
- Origin: South Africa (Eastern Cape, Little Karoo)
- Min temp: protect from frost
- Forms hanging cluster
 - Stem diameter: to 3 in
 - Stem length: to 12 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Haworthia 'Mandy's Hybrid'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Has variable coloration
- Forms dense clusters
 - Stem height: to 6 in
 - Stem diameter: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



Haworthia decipians



- Free plant
- Origin: South Africa (Eastern Cape, Western Cape)
- Min temp: protect from frost
- Forms dense cluster
 - Stem diameter: to 3 in
 - Stem height: to 3 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:

- Miles' To Go
- B & B Cactus Farm
- Starr Nursery





Tucson Cactus and Succulent Society April 2017

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

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

Yucca baccata

- Raffle plant
- Origin: SW USA (Arizona, California, Utah, Texas); NW Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg
- May be solitary or clumped
 - Stem height: to 3 ft
 - Stem diameter: to 2 ft
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Use well drained soil mix



Echinocereus enneacanthus



- Raffle plant
- Origin: USA (Texas, New Mexico); Mexico (Sonora, Durango, Nuevo Leon, Coahuila)
- Min temp: to 14 deg
- Forms loose clumps
 - Stem diameter to 3 in
 - Height: to 15 in
- Propagated via cuttings, seed
- Full sunlight
- Water when dry during warm weather
- Well-drained soil

Hesperaloe parviflora

‘Brakelights’



- Raffle plant
- Cultivar
- Origin: SW USA (Texas); NE Mexico (Coahuila)
- Min temp: to 14 deg
- Forms arching rosettes
 - Height: to 18 in
 - Diameter: to 22 in
- Propagated from seed, offsets
- Full sun
- Well-drained soil

Dasyilirion longissimum



- Raffle plant
- Origin: Mexico
- Min temp: to 14 deg F
- Grows tall flowering stalk
- Eventually forms a shaggy tree w/trunk
 - Diameter: to 6 ft
 - Height: to 9 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Echinocereus coccineus

- Raffle plant
- Origin: USA (Arizona, Texas, New Mexico, Colorado, Utah, Nevada, California) and Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg F
- Forms large clusters
 - Stem diameter: to 4 in.
 - Stem height: to 15 in.
- Spination highly variable
- Propagated from seed
- 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

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



Agave geminiflora

- Door Prize
- Origin: Mexico (Jalisco, Nayarit)
- Min temp: 25-30 deg F
- Habitat: Open oak woodland
- Forms single dense round rosette
 - Diameter: to 3 ft
 - Height: to 3 ft
- Dies after flowering but may sprout new shoots at base
- Propagated by seeds, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



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

Mangave hybrid

Manfreda x Agave

- Door Prize
- 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 offsets, seed
- Full / filtered sun
- 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



Nolina microcarpa 'Beargrass'

- Door prize
- Origin: USA (Arizona, New Mexico, Utah); Mexico
- Min temp: to 14 deg F
- Forms underground caudex
 - Diameter: to 3 ft
 - Height: to 5 ft
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use porous, well-drained soil



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Mammillaria standleyi

- Free plant
- 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



Haworthia species



- Free plant
- 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

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



Stenocereus pruinosus



- Free plant
- Origin: Mexico (Oaxaca, Puebla, Veracruz)
- Min temp: protect from frost
- Forms tree-like columnar cactus with arms branching near base
 - Stem diameter: to 12 in
 - Stem height: to 20 ft
- Full sun
- Propagated from seed , offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Echeveria agavoides

‘Lipstick’

- Free plant
- Origin: Mexico
- Min temp: 15 to 20 deg F
- Forms cluster
 - Rosette diameter: to 8 in
 - Rosette height: to 6 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Echinocereus stramineus



- **Free plant**
- **Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)**
- **Min temp: to 14 deg F**
- **Forms large, compact colonies**
 - **Stem diameter: to 3 in**
 - **Height: to 10 in**
 - **Cluster diameter: to 3 ft**
- **Propagated from cuttings, seed**
- **Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Aptenia cordifolia variegata

- Free plant
- Origin: South Africa (Eastern Cape Province)
- Min temp: protect from frost
- Forms ground cover or small hanging clusters
 - Diameter: to 6 in
 - Height: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Cereus terscheckii



- **Free plant**
- **Origin: Argentina**
- **Min temp: to 14 deg F**
- **Also called 'Argentine saguaro'**
- **Solitary with branching arms**
 - **Height: to 25 ft**
 - **Stem diameter: 11 in**
- **Propagated from seed**
- **Grows more quickly than a saguaro (12-18 inches per year)**
- **Full sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

Thelocactus bicolor

- Free plant
- Origin: Texas, Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 4 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Well-drained soil



Thank You To Our Plant Suppliers This Month:

- Bach's Greenhouse Cactus Nursery
 - Miles' to Go





Tucson Cactus and Succulent Society May 2017

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

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



Yucca rigida



- **Raffle 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**
- **To establish, water when dry during warm weather**
 - **Shouldn't need water after that**
- **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**



Dasyllirion wheeleri

‘Desert Spoon’



- Raffle plant
- Origin: SW USA (Arizona, New Mexico, Texas); Mexico (Sonora)
- Min temp: to 14 deg
- May be solitary or clumped
 - Height: to 6 ft
 - Diameter: to 4 ft
- Propagated from seed
- Full sun
- To establish, water when dry during warm weather
 - Shouldn't need water after that
- 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



Agave geminiflora



- Raffle plant
- Origin: Mexico (Jalisco, Nayarit)
- Min temp: to 14 deg F
- Habitat: Open oak woodland
- Forms single dense round rosette
 - Diameter: to 3 ft
 - Height: to 3 ft
- Sprouts new shoots after flowering
- Propagated by seeds, offsets
- Filtered sun / shade
- Water when dry during warm weather
- Well-drained soil

DOOR PRIZES

Pick up ticket as you enter

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Echinocereus triglochidiatus



- Door prize
- 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

Senecio anteuphorbium

- Door prize
- Origin: Africa (Morocco)
- Min temp: to 25 deg F
- History: Planted in Europe since 1570
- Forms upright deciduous shrub
 - Diameter: to 3 ft
 - Height: to 3 ft
- Propagated by seeds, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



Coryphantha macromeris



- Door prize
- 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

Gasteria okavango 'Anna'

- Door prize
- Origin: South Africa
- Min temp: to 25 deg F
- Forms small cluster
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated by seeds, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus glaucescens

- Door prize
- 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



Echeveria purpureum



- Door prize
- Origin: Mexico
- Min temp: to 25 deg F
- Forms small cluster
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated by seeds, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

FREE PLANTS

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Mammillaria standleyi

- Free plant
- 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



Haworthia truncata var maughanii



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

Echinocereus stramineus

- Free plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Forms large, compact colonies
 - Stem diameter: to 3 in
 - Height: to 10 in
 - Cluster diameter: to 3 ft
- Propagated from cuttings, seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Echeveria agavoides

'Lipstick'



- Free plant
- Origin: Mexico
- Min temp: 15 to 20 deg F
- Forms cluster
 - Rosette diameter: to 8 in
 - Rosette height: to 6 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Thelocactus bicolor

- Free plant
- Origin: Texas, Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 4 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Well-drained soil



Aptenia cardifolia variegata



- **Free plant**
- **Origin: South Africa (Eastern Cape Province)**
- **Min temp: protect from frost**
- **Forms ground cover or small hanging clusters**
 - **Diameter: to 6 in**
 - **Height: to 6 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Euphorbia pseudoglobosa

- Free plant
- Origin: South Africa (Western Cape)
- Min temp: protect from frost
- Grows into thick mat
- Forms caudex base with segmented branches
 - Stem diameter: to 1 in
 - Height: to 5 in
- Propagated from seed
- Filtered sun
- Well-drained soil



Uploaded by: Valentino Vallicelli

Gymnocalycium stellatum



- **Free plant**
- **Origin: Argentina**
- **Min temp: to 25 deg F**
- **Grows slowly**
- **Solitary**
 - **Height: to 1 in**
 - **Diameter: to 4 in**
- **Propagated from seed**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

Euphorbia schoenlandii

- Free plant
- Origin: South Africa (Western Cape)
- Min temp: protect from frost
- Forms spiky columnar barrel
 - Stem diameter: to 8 in
 - Height: to 3 ft
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus rectispinus



- **Free plant**
- **Origin: Mexico (Baja California)**
- **Min temp: to 14 deg F**
- **Usually solitary**
 - **Stem diameter: to 24 in**
 - **Height: to 3 ft**
- **Propagated from seed**
- **Full sun**
- **Well-drained soil**

Chamaecereus 'Fire Chief' Johnson Hybrid

- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- Forms dense mat
 - Stem diameter: to $\frac{3}{4}$ in
 - Height: to 6 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Dorstenia foetida



- Free plant
- Origin: Arabia, Ethiopia, Kenya, Somalia, Yemen, Oman, Tanzania
- Min temp: protect from frost
- Seed pods open explosively when ripe and send seed flying up to 6 ft
- Forms small branching shrub
 - Diameter: to 8 in
 - Height: to 12 in
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Haworthia mirabilis var paradoxa

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



Pachypodium rosulatum var gracilis



- **Free plant**
- **Origin: Madagascar**
- **Min temp: protect from frost**
- **Forms caudex with spiny branches**
 - **Diameter: to 16 in**
 - **Height: to 3 ft**
- **Propagated from seed**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Fouquieria diguetii

- Free plant
- Origin: Mexico (Baja California)
- Min temp: to 25 deg F
- In same species as Ocotillo (Fouquieria splendens)
- Grows into dense, spiky shrub
 - Diameter: to 4 ft
 - Height: to 8 ft
- Propagated from seed
- Filtered sun
- Well-drained soil



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- Plants for the Southwest
- Bach's Greenhouse Cactus Nursery
 - Miles' to Go





Tucson Cactus and Succulent Society June 2017

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DOOR PRIZES
FREE PLANTS

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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

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



Echinocactus texensis



- Raffle plant
- Origin: USA (Texas, New Mexico, Oklahoma); Mexico (Coahuila, Nuevo Leon, Durango, Tamaulipas)
- Min temp: to 14 deg F
- Habitat: Open oak woodland, often hidden in grass (hence its nickname, 'Horse Crippler')
- Grows as flat, circular barrel
 - Diameter: to 1 ft
 - Height: to 6 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Hesperaloe parviflora

- Raffle plant
- Origin: SW USA (Texas); NE Mexico (Coahuila)
- Min temp: to 14 deg
- Forms arching rosettes
 - Height: to 18 in
 - Diameter: to 22 in
- Propagated from seed, offsets
- Full sun
- Well-drained soil



Opuntia basilaris



- Raffle plant
- Origin: USA (Arizona, California, Utah, Nevada); Mexico
- Min temp: to 14 deg F
- Forms medium-size cluster of jointed pads
 - Pad diameter: to 6 in
 - Pad width: ½ in
- Propagated by seed, cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil

Nolina nelsonii

- Raffle Plant
- Origin: Mexico (Tamaulipas)
- Min temp: to 14 deg F
- Has large white flower
- Slow growing, tree-like shrub
 - Height: to 10 ft
 - Diameter: to 4 ft
- Propagated from seeds
- Full sun
- To establish, water when dry during warm weather
 - Shouldn't need water after that
- Well-drained soil



DOOR PRIZES

Pick up ticket as you enter

Must have your name tag

Manfreda maculosa

- Door prize
- Origin: Texas, NE Mexico
- Min temp: to 18 deg F
- “Looks delicate but is surprisingly tough”
- Creates low spreading clump
 - Height: to 12 inches
- Propagated from underground rhizomes or seed
- Needs regular irrigation to remain full
- Filtered sun
- Use well-drained soil



Mammillaria petersonii



- Door prize
- 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

Pereskia aculeata

- Door prize
- Origin: Brazil, Central America, West Indies
- Min temp: protect from frost
- Considered best living representative of ancestral cacti
- Creates spreading leafy shrub
 - Height: to 4 ft
- Propagated from seed, cuttings
- Needs more irrigation than a cactus
- Full / Filtered sun
- Use well-drained soil



Ferocactus alamosanus

- Door prize
- Origin: Mexico (Sonora)
- Min temp: protect from frost in colder areas
- Species threatened in habitat
- Usually solitary
 - Height: to 3 ft
 - Diameter: to 14 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Hayworthia hybrid



- Door prize
- Origin: Mexico
- Min temp: to 25 deg F
- Forms small clustering mound
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated by seeds, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Echinocereus triglochidiatus var mojavensis

- Door prize
- Origin: USA (Arizona, Nevada, Utah) 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



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Ferocactus glaucescens

- Free 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



Gymnocalycium stellatum



- **Free plant**
- **Origin: Argentina**
- **Min temp: to 25 deg F**
- **Grows slowly**
- **Solitary**
 - **Height: to 1 in**
 - **Diameter: to 4 in**
- **Propagated from seed**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

Fouquieria diguetii

- Free plant
- Origin: Mexico (Baja California)
- Min temp: to 25 deg F
- In same species as Ocotillo (Fouquieria splendens)
- Grows into dense, spiky shrub
 - Diameter: to 4 ft
 - Height: to 8 ft
- Propagated from seed
- Filtered sun
- Well-drained soil



Agave stricta nana

- Free plant
- Origin: Mexico (Puebla)
- Min temp: to 20 deg F
- Grows slowly, stays small
- Forms new offsets at base
 - Rosette diameter: to 10 in
 - Rosette height: to 10 in
- Full sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Stenocactus multcostatus



- **Free plant**
- **Origin: Mexico (Coahuila, Chihuahua, Durango)**
- **Min temp: to 14 deg F**
- **Has wide variation in spination and body shape**
- **Solitary**
 - **Stem diameter: to 6 in**
 - **Height: to 6 in**
- **Propagated from seed**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

Fouquieria macdougallii

- Free plant
- Origin: Mexico (Sonora)
- Min temp: to 25 deg F
- In same genus as Ocotillo (Fouquieria splendens)
- Grows into dense, spiky shrub
 - Diameter: to 4 ft
 - Height: to 8 ft
- Propagated from seed
- Filtered sun
- Well-drained soil



Pachypodium saundersii



- Free plant
- Origin: South Africa
- Min temp: to 25 deg F
- Summer grower
- Forms low branching caudex
 - Diameter: to 18 in
 - Height: to 4 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Echinopsis hybrid

- Free plant
- Origin: Bolivia, Paraguay
- Min temp: to 14 deg F
- Forms 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



Astrophytum myriostigma

- Free plant
- Origin: Mexico (central and northern highlands)
- Min temp: to 14 deg F
- Has no spines
- Usually solitary
 - Diameter: to 8 in
 - Height: to 2 ft
- Propagated from seed
- Full sun
- 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

Echinocereus enneacanthus var brevispinus



- Free plant
- Origin: USA (Texas, New Mexico); Mexico (Sonora, Durango, Nuevo Leon, Coahuila; San Luis Potosi)
- Min temp: to 14 deg
- Forms loose clumps
 - Stem diameter to 3 in
 - Height: to 15 in
- Propagated via cuttings, seed
- Full sunlight
- Water when dry during warm weather
- Well-drained soil

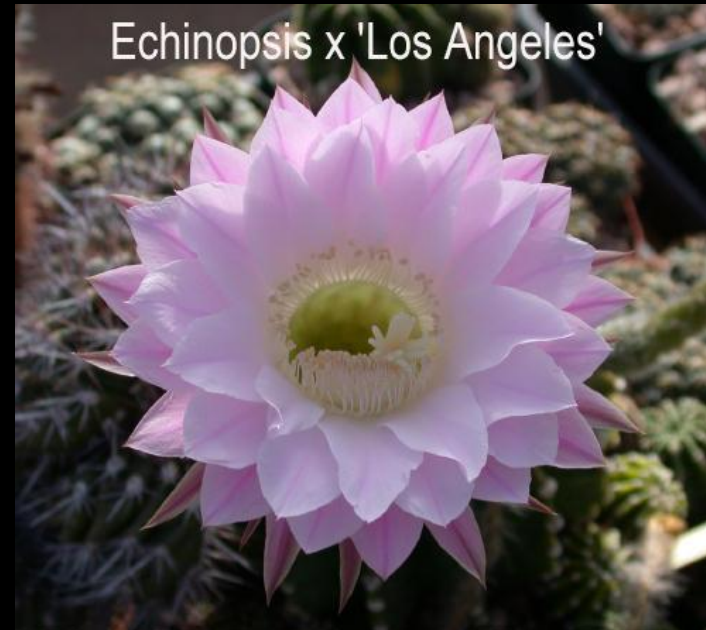
Tumamoca macdougalii

- Free plant
- Origin: USA (Arizona); Mexico (Sonora)
- Min temp: to 14 deg
- Named for hill in Tucson where plant was discovered
- Monoecious vine that forms underground caudex
 - Caudex diameter: to 8 in
 - Caudex height: to 3 in
- Propagated via seed
- Full / filtered sunlight
- Water when dry during warm weather
- Well-drained soil



Echinopsis x 'Los Angeles'

- **Free plant**
- **Origin: Bolivia, Paraguay**
- **Min temp: to 14 deg F**
- **Forms 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**



Mammillaria bombycina



- Free plant
- Origin: Mexico (Jalisco, Aguascalientes)
- Min temp: give protection in colder areas
- Forms clumps
 - Stem diameter: to 2 in
 - Stem height: to 6 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Stenocactus lloydii

- **Free plant**
- Origin: Mexico (Chihuahua, Coahuila, Durango)
- Min temp: to 14 deg F
- Solitary
 - Diameter: to 6 in
 - Height: to 8 in
- Propagated by 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



Grusonia invicta



- **Free 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**

Euphorbia schoenlandii

- Free plant
- Origin: South Africa (Western Cape)
- Min temp: protect from frost
- Forms spiky columnar barrel
 - Stem diameter: to 8 in
 - Height: to 3 ft
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus rectispinus



- **Free plant**
- **Origin: Mexico (Baja California)**
- **Min temp: to 14 deg F**
- **Usually solitary**
 - **Stem diameter: to 24 in**
 - **Height: to 3 ft**
- **Propagated from seed**
- **Full sun**
- **Well-drained soil**

Dorstenia foetida



- Free plant
- Origin: Arabia, Ethiopia, Kenya, Somalia, Yemen, Oman, Tanzania
- Min temp: protect from frost
- Seed pods open explosively when ripe and send seed flying up to 6 ft
- Forms small branching shrub
 - Diameter: to 8 in
 - Height: to 12 in
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Thank You To Our Plant Suppliers This Month:

- Miles' to Go
- Bach's Greenhouse Cactus Nursery
- Robert Ellis





Tucson Cactus and Succulent Society July 2017

RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

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

Dyckia hybrid 'Grape Jelly'

- **Raffle plant**
- **Origin: Cultivar**
- **Min temp: give some protection in colder areas**
- **Bromeliad**
- **Forms cluster of rosettes**
 - **Rosette height: to 9 in**
 - **Rosette diameter: to 9 in**
- **Propagated from offsets**
- **Filtered sun**
- **Well-drained soil**



Mammillaria parkinsonii



- Raffle plant
- Origin: Mexico (Queretero)
- Min temp: to 14 deg F
- Forms clusters
 - Plant height: to 6 in
 - Plant diameter: to 6 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Eulophia petersii

- Raffle plant
- Origin: Africa (Namibia to Arabian Peninsula)
- Min temp: protect from frost
- Forms large pseudobulbs
- Desert-adapted orchid
 - Height: to 18 in
 - Diameter per bulb: to 3 in
- Propagated from bulbs, seed
- Filtered sun
- Water when dry in warm weather
- Use well-drained soil mix



Echinocereus triglochidiatus



- Raffle 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

Euphorbia antisiphilitica

'Candelilla'



- **Raffle plant**
- **Origin: USA (Texas, New Mexico); Mexico (Chihuahua, Coahuila, Hidalgo, Queretaro)**
- **Min temp: to 14 deg F**
- **Forms dense, erect shrub**
 - **Stem diameter: to ½ in**
 - **Stem height: to 20 in**
- **Propagated by 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

Dasyllirion wheeleri

‘Desert Spoon’



- Door prize
- Origin: SW USA (Arizona, New Mexico, Texas); Mexico (Sonora)
- Min temp: to 14 deg
- May be solitary or clumped
 - Height: to 6 ft
 - Diameter: to 4 ft
- Propagated from seed
- Full sun
- To establish, water when dry during warm weather
 - Shouldn't need water after that
- Use well drained soil mix

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
- Water when dry during warm weather
- Use porous, well-drained soil



Sanseveria trifasciata

‘Moonshine’



- Door prize
- Origin: West Africa
- Min temp: protect from frost
- Tolerates low light
- Creates cluster
 - Height: to 14 in
 - Leaf width: to 3 in
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use porous, well-drained soil

Ferocactus pottsii

- Door prize
- Origin: Mexico (Chihuahua, Sonora, Sinaloa)
- Min temp: to 14 deg F
- Usually solitary
 - Height: to 2 ft
 - Diameter: to 18 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Haworthia cymbiformis var incurvula



- Door prize
- Origin: South Africa (Eastern Cape)
- Min temp: protect from frost
- Ends of leaves are transparent
- Forms clusters
 - Height: to 4 in
 - Diameter: to 10 in
- Propagated from seed or offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

Oreocereus trollii

'Old Man of the Andes'

- Door prize
- Origin: Bolivia, Argentina
- Min temp: to 14 deg F
- Habitat: Arid mountains to 13,000 ft
- Forms chunky clustered columns
 - Diameter per stem: to 6 in
 - Height: to 2 ft
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



FREE PLANTS

Rules:

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Please be courteous

Thelocactus bicolor

- Free plant
- Origin: Texas, Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Usually solitary
 - Stem diameter: to 4 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Well-drained soil



Haworthia mirabilis

- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Forms cluster of rosettes
 - Rosette height: to 2 in
 - Rosette diameter: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



Trichocereus terscheckii



- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- Grows up to 18 inches/year with water, fertilizer
- Forms numerous branches
 - Height: to 25 ft
 - Diameter: to 18 in
- Propagated from seeds or cuttings
- Full 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



Astrophytum capricorne



- Free plant
- Origin: Mexico (Chihuahua, Coahuila)
- Min temp: to 14 deg F
- Spines serve as camouflage in grass
- Usually solitary
 - Stem diameter: to 6 in
 - Stem height: to 2 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Ferocactus glaucescens

- Free 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



Senecio stapeliiformis

- Free plant
- Origin: South Africa (Eastern Cape)
- Min temp: protect from frost
- Forms cluster with erect stems that eventually recline
 - Stem height: to 10 in
 - Stem diameter: to ½ in
- Propagated from seed, rhizomes
- Filtered sun
- Well-drained soil



Ferocactus latispinus



- Free 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

Echinopsis calorubra

- **Free plant**
- **Origin: Bolivia (Cochabamba)**
- **Min temp: to 14 deg f**
- **Habitat: juniper woodland**
- **May form cluster in time**
 - **Height: to 4 in**
 - **Diameter: to 4 in**
- **Propagated by seed, cuttings**
- **Full / Filtered 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**

Echinocereus stramineus

- Free plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Forms large, compact colonies
 - Stem diameter: to 3 in
 - Height: to 10 in
 - Cluster diameter: to 3 ft
- Propagated from cuttings, seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Adromischus maculatus

- Free plant
- Origin: South Africa (Cape Province)
- Min temp: protect from frost in colder areas
- Forms small clusters or mats
 - Leaf diameter: to 1 in
 - Cluster height: to 3 in
- Develops caudex with age
- Propagated from seed, offsets
- Filtered sun
- 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

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



Fouquieria diguetii

- Free plant
- Origin: Mexico (Baja California)
- Min temp: to 25 deg F
- In same genus as Ocotillo (Fouquieria splendens)
- Grows into dense, spiky shrub
 - Diameter: to 4 ft
 - Height: to 8 ft
- Propagated from seed
- Filtered sun
- Well-drained soil



Agave stricta nana

- Free plant
- Origin: Mexico (Puebla)
- Min temp: to 20 deg F
- Grows slowly, stays small
- Forms new offsets at base
 - Rosette diameter: to 10 in
 - Rosette height: to 10 in
- Full sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Echinopsis hybrid

‘bidoubled flower’

- Free plant
- Origin: Bolivia, Paraguay
- Min temp: to 14 deg F
- Forms 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



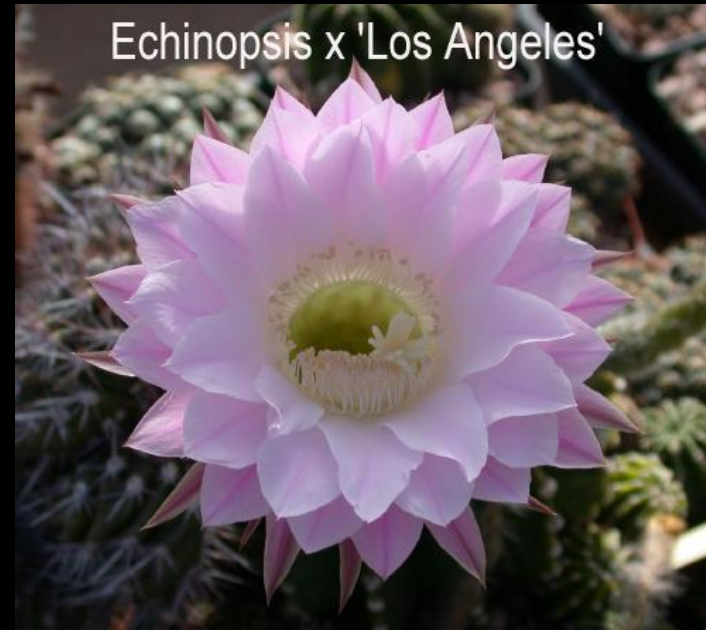
Echinocereus enneacanthus



- Free plant
- Origin: USA (Texas, New Mexico); Mexico (Sonora, Durango, Nuevo Leon, Coahuila)
- Min temp: to 14 deg
- Forms loose clumps
 - Stem diameter to 3 in
 - Height: to 15 in
- Propagated via cuttings, seed
- Full sunlight
- Water when dry during warm weather
- Well-drained soil

Echinopsis hybrid 'Los Angeles'

- **Free plant**
- **Origin: Bolivia, Paraguay**
- **Min temp: to 14 deg F**
- **Forms 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**



Mammillaria bombycina



- **Free plant**
- **Origin: Mexico (Jalisco, Aguascalientes)**
- **Min temp: give protection in colder areas**
- **Forms clumps**
 - **Stem diameter: to 2 in**
 - **Stem height: to 6 in**
- **Propagated from seed, offsets**
- **Full / 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



Grusonia invicta



- **Free 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**

Ferocactus rectispinus



- **Free plant**
- **Origin: Mexico (Baja California)**
- **Min temp: to 14 deg F**
- **Usually solitary**
 - **Stem diameter: to 24 in**
 - **Height: to 3 ft**
- **Propagated from seed**
- **Full sun**
- **Well-drained soil**

Thank You To Our Plant Suppliers This Month:

- Dan Birt (assorted Haworthias)
- Bach's Greenhouse Cactus Nursery
 - Miles' to Go
 - B & B Cactus Farm
- Robert and Donna Ellis





Tucson Cactus and Succulent Society September 2017

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Cereus aethiops

- Raffle plant
- Origin: Argentina
- Min temp: protect from frost
- Blooms at night
- Forms columnar cactus with many branches from base
 - Stem height: to 6 ft
 - Stem diameter: to 3 in
- Propagated from seed, offsets
- Full sun
- Well-drained soil



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



Oreocereus celsianus

- Raffle plant
- Origin: Argentina, Bolivia, Peru
- Min temp: 14 deg F
- “Old Man of the Andes”
- Usually solitary, may cluster at base
 - Width of stem: up to 8 in
 - Height: to 10 ft
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Agave colorata



- Raffle plant
- Origin: Mexico (Sonora)
- Min temp: to 18 deg F
- Usually solitary
 - Diameter: to 2 ft
 - Height: to 2 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Echinocereus polyacanthus ssp pacificus



- Raffle plant
- Origin: Mexico (Baja)
- Min temp: to 14 deg F
- Forms a large clump
 - Stem height: to 12 in
 - Stem diameter: to 3 in
- Propagated from seeds or cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil

Cryptobergia hybrid 'Red Burst'

- Raffle plant
- Origin: South America
- Min temp: to 26 deg F
- Bromeliad hybrid
 - *Billbergia nutans* X *Cryptanthus bahianus*
- Forms dense, clumpy rosettes
 - Stem diameter: to 12 in
 - Stem height: to 8 in
- Propagated by offsets
- 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

Pachypodium saundersii



- Door prize
- Origin: South Africa
- Min temp: to 25 deg F
- Summer grower
- Forms low branching caudex
 - Diameter: to 18 in
 - Height: to 4 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Parodia aurispina

- Door prize
- Origin: S Bolivia, N Argentina
- Min temp: tolerates light frost
- Small to medium in size
 - Diameter: to 4 inches
 - Height: to 5 inches
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Tradescantia sillamontana



- Door prize
- Origin: Mexico (Nuevo Leon)
- Min temp: rebounds from frost
- Compatible with cacti /succulents
- Creates spreading cluster
 - Stem height: to 24 in
 - Cluster width: to 24 in
- Full / filtered sun
- Propagated from cuttings set in water
- Water when dry during warm weather
- Use porous, well-drained soil

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



Aloe variegata



- Door prize
- Origin: South Africa, Namibia
- Min temp: to 20 deg F
 - Survives in Vail underneath mesquite trees
- Forms rosettes
 - Stem width: to 9 in
 - Stem height: to 12 in
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Mammillaria mystax

- Door prize
- Origin: Mexico (central)
- Min temp: to 14 deg F
- Flowers rose-purple
- Solitary
 - Height: to 6 in
 - Diameter: to 4 in
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Use well-drained soil



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Senecio stapeliiformis

- Free plant
- Origin: South Africa (Eastern Cape)
- Min temp: protect from frost
- Forms cluster with erect stems that eventually recline
 - Stem height: to 10 in
 - Stem diameter: to ½ in
- Propagated from seed, rhizomes
- Filtered sun
- Well-drained soil



Ferocactus glaucescens

- Free 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



Echinopsis calorubra

- **Free plant**
- **Origin: Bolivia (Cochabamba)**
- **Min temp: to 14 deg f**
- **Habitat: juniper woodland**
- **May form cluster in time**
 - **Height: to 4 in**
 - **Diameter: to 4 in**
- **Propagated by seed, cuttings**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**



Mammillaria prolifera



- Free plant
- Origin: USA (Texas); Mexico (Coahuila, Nuevo Leon); Cuba; Dominican Republic; Haiti
- Min temp: to 14 deg F
- Forms clusters with age
 - Stem diameter: to 2 in
 - Stem height: to 2 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Echinocereus stramineus

- Free plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Forms large, compact colonies
 - Stem diameter: to 3 in
 - Height: to 10 in
 - Cluster diameter: to 3 ft
- Propagated from cuttings, seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria matudae



Free plant

- Origin: Mexico (Michoacan)
- Min temp: protect from frost
- Forms wide clusters in time
 - Stem length: to 20 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

Huernia procumbens

- Free plant
- Origin: South Africa, Zimbabwe
- Min temp: protect from frost in colder areas
- Forms snaky stems that trail close to the ground
 - Stem length: to 12 in
 - Stem diameter: to 1/2 in
- Do best in wide shallow containers
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



Glottiphyllum depressum



- Free plant
- Origin: South Africa (Little Karoo, Western Cape)
- Min temp: protect from frost
- Forms clusters close to the ground
 - Cluster diameter: to 12 in
 - Stem length: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil

Tephrocactus articulatus

- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 1 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Thelocactus macdowellii

- Free plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary, may cluster in time
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Agave nickelsiae



- Free plant
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 14 deg F
- Grows slowly
- Forms open rosette
 - Diameter: to 18 in
 - Height: to 18 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Mammillaria sonorensis

- **Free plant**
- **Origin: Mexico (Sonora, Sinaloa, Chihuahua)**
- **Min temp: to 14 deg F**
- **Grows slowly**
- **Eventually forms large mounds**
 - **Stem height: to 6 in**
 - **Diameter per stem: to 6 in**
- **Propagated from seed, offsets**
- **Full sun**
- **Well-drained soil**



Gasteraloe 'Green Ice'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Forms clusters
 - Stem diameter: to 5 in
 - Stem height: to 4 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Echinocereus viridiflorus var davisii



- Free plant
- Origin: Texas (Brewster Co, Marathon)
- Min temp: to 24 deg F
- Very small--grows slowly
 - Stem diameter to 1 in
 - Stem height: to 1 in
- Propagated via seed
- Full/filtered sunlight
- Water when dry during warm weather
- Well-drained soil

Sempervivum arachnoideum

- Free plant
- Origin: Europe (Apennine, Alps, Carpathian mountains)
- Min temp: to 14 deg F
- Forms prolific clusters
 - Stem diameter: to 8 in
 - Stem height: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Chamaecereus sylvestrii ('Peanut Cactus')



- Free plant
- Origin: Unknown (has not been found in the wild)
- Min temp: to 14 deg F
- Forms clumps
 - Stem diameter: to 1/2 in
 - Stem length: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloinopsis species



- **Free plant**
- **Origin: South Africa**
- **Min temp: protect from frost**
- **Forms dense mat of clustered rosettes**
 - **Stem width: to 1/2 in**
 - **Stem height: to 3 in**
- **Propagated from cuttings, seeds**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**



Thelocactus heterochromus

- **Free plant**
- **Origin: Northeastern Mexico (Durango, Coahuila)**
- **Min temp: to 14 deg F**
- **Rare: grows slowly**
- **Usually solitary**
 - **Height: to 3 in**
 - **Diameter per stem: to 8 in**
- **Propagated from seed**
- **Full sun**
- **Well-drained soil**



Kalanchoe tomentosa

‘Chocolate Soldier’

- Free plant
- Origin: Madagascar
- Min temp: to 25 deg F
- Forms small shrub
 - Stem diameter: to 3 in
 - Stem height: to 2 ft
- Propagated from seed, leaf cuttings
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria mystax



- **Free plant**
- **Origin: Mexico (central)**
- **Min temp: to 14 deg F**
- **Flowers rose-purple**
- **Solitary**
 - **Height: to 6 in**
 - **Diameter: to 4 in**
- **Propagated from seed**
- **Full / filtered sun**
- **Water when dry during warm weather**
- **Use 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



Trichocereus terscheckii



- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- Grows up to 18 inches/year with water, fertilizer
- Forms numerous branches
 - Height: to 25 ft
 - Diameter: to 18 in
- Propagated from seeds or cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil

Aloe variegata



- **Free plant**
- **Origin: South Africa, Namibia**
- **Min temp: to 20 deg F**
 - Survives in Vail underneath mesquite trees
- **Forms rosettes**
 - Stem width: to 9 in
 - Stem height: to 12 in
- **Propagated from seeds, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use 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



Dorstenia foetida



- Free plant
- Origin: Arabia, Ethiopia, Kenya, Somalia, Yemen, Oman, Tanzania
- Min temp: protect from frost
- Seed pods open explosively when ripe and send seed flying up to 6 ft
- Forms small branching shrub
 - Diameter: to 8 in
 - Height: to 12 in
- Propagated from seed, cuttings
- Filtered 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
- 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

Thank You To Our Plant Suppliers This Month:

- Doug Rowsel
- Miles' to Go
- B & B Cactus Farm
- Bach's Greenhouse Cactus Nursery





Tucson Cactus and Succulent Society October 2017

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Echinocactus horizonthalonius

- 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 in
 - Diameter: to 8 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Agave nickelsiae



- Raffle plant
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 14 deg F
- Grows slowly
- Forms open rosette
 - Diameter: to 18 in
 - Height: to 18 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Stenocereus eruca

- Raffle plant
- Origin: Mexico (Baja California)
- Min temp: protect from frost in colder areas
- Flowers pale pink to cream, bloom at night
- 'Creeping Devil'
- Creates mass of prostrate stems
 - Width of stem: up to 4 in
 - Length: to 10 ft
- Propagated by seed, cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil



Agave hybrid 'Blue Glow'

A attenuata x *A ocahui*

- **Raffle plant**
- **Origin: Mexico**
- **Min temp: 20 deg F**
- **Solitary rosette**
 - **Height: up to 2 ft**
 - **Diameter: up to 3 ft**
- **Propagated by pups and coring**
- **Full / filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**



Ferocactus gracilis



- Raffle plant
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 1 ft
 - Height: to 3 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Agave x leopoldii

- Raffle plant
- Origin: Cultivar by Gary Hammer
- Min temp: to 14 deg F
- Agave filifera filifera x Agave filifera schidigera
- Forms tall, wide clump
 - Stem diameter: to 12 in
 - Stem height: to 12 in
- Propagated by offsets
- 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

Pachypodium saundersii



- Door prize
- Origin: South Africa
- Min temp: to 25 deg F
- Summer grower
- Forms low branching caudex
 - Diameter: to 18 in
 - Height: to 4 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria woodsii

- Door prize
- Origin: Mexico (Guanajuato)
- Min temp: to 14 deg F
- Small to medium in size
 - Diameter: to 3 inches
 - Height: to 8 inches
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



Agave angustifolia



- Door prize
- Origin: Mexico, Costa Rica
- Min temp: to 14 deg F
- Forms rounded rosette atop a short trunk
 - Stem height: to 4 ft
 - Width: to 4 ft
- Full / filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use porous, well-drained soil

Myrtillocactus geometrizans forma cristata

- Door prize
- Origin: Cultivar
- Min temp: protect from frost in colder areas
- Usually solitary, creates fan-like branches
 - Diameter: to 18 in
 - Height: to 3 ft
- Full sun
- Propagated from cuttings
- Water when dry during warm weather
- Use highly porous, well-drained soil



Aloe variegata



- Door prize
- Origin: South Africa, Namibia
- Min temp: to 20 deg F
 - Survives in Vail underneath mesquite trees
- Forms rosettes
 - Stem width: to 9 in
 - Stem height: to 12 in
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil

Espostoa lanata

- Door prize
- Origin: Ecuador, Peru
- Min temp: protect from frost in colder areas
- 'Peruvian Old Man'
- Grows slowly, branches at top
 - Height: to 15 ft
 - Diameter: to 5 in
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Use well-drained soil



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Senecio stapeliiformis

- Free plant
- Origin: South Africa (Eastern Cape)
- Min temp: protect from frost
- Forms cluster with erect stems that eventually recline
 - Stem height: to 10 in
 - Stem diameter: to ½ in
- Propagated from seed, rhizomes
- Filtered sun
- Well-drained soil



Ferocactus glaucescens

- Free 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



Echinopsis calorubra

- **Free plant**
- **Origin: Bolivia (Cochabamba)**
- **Min temp: to 14 deg f**
- **Habitat: juniper woodland**
- **May form cluster in time**
 - **Height: to 4 in**
 - **Diameter: to 4 in**
- **Propagated by seed, cuttings**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**



Mammillaria prolifera



- **Free plant**
- **Origin: USA (Texas); Mexico (Coahuila, Nuevo Leon); Cuba; Dominican Republic; Haiti**
- **Min temp: to 14 deg F**
- **Forms clusters with age**
 - **Stem diameter: to 2 in**
 - **Stem height: to 2 in**
- **Full / Filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**

Echinocereus stramineus

- Free plant
- Origin: USA (SW Texas, New Mexico); Mexico (Chihuahua, Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Forms large, compact colonies
 - Stem diameter: to 3 in
 - Height: to 10 in
 - Cluster diameter: to 3 ft
- Propagated from cuttings, seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria matudae



Free plant

- Origin: Mexico (Michoacan)
- Min temp: protect from frost
- Forms wide clusters in time
 - Stem length: to 20 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

Huernia procumbens

- Free plant
- Origin: South Africa, Zimbabwe
- Min temp: protect from frost in colder areas
- Forms snaky stems that trail close to the ground
 - Stem length: to 12 in
 - Stem diameter: to 1/2 in
- Do best in wide shallow containers
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



Glottiphyllum depressum



- Free plant
- Origin: South Africa (Little Karoo, Western Cape)
- Min temp: protect from frost
- Forms clusters close to the ground
 - Cluster diameter: to 12 in
 - Stem length: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil

Tephrocactus articulatus

- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 1 in
 - Stem height: to 12 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Thelocactus macdowellii

- Free plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary, may cluster in time
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Agave nickelsiae



- Free plant
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 14 deg F
- Grows slowly
- Forms open rosette
 - Diameter: to 18 in
 - Height: to 18 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Mammillaria sonorensis

- **Free plant**
- **Origin: Mexico (Sonora, Sinaloa, Chihuahua)**
- **Min temp: to 14 deg F**
- **Grows slowly**
- **Eventually forms large mounds**
 - **Stem height: to 6 in**
 - **Diameter per stem: to 6 in**
- **Propagated from seed, offsets**
- **Full sun**
- **Well-drained soil**



Gasteraloe 'Green Ice'

- Free plant
- Origin: Cultivar
- Min temp: protect from frost
- Forms clusters
 - Stem diameter: to 5 in
 - Stem height: to 4 in
- Propagated from offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Echinocereus viridiflorus var davisii



- Free plant
- Origin: Texas (Brewster Co, Marathon)
- Min temp: to 24 deg F
- Very small--grows slowly
 - Stem diameter to 1 in
 - Stem height: to 1 in
- Propagated via seed
- Full/filtered sunlight
- Water when dry during warm weather
- Well-drained soil

Sempervivum arachnoideum

- Free plant
- Origin: Europe (Apennine, Alps, Carpathian mountains)
- Min temp: to 14 deg F
- Forms prolific clusters
 - Stem diameter: to 8 in
 - Stem height: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Chamaecereus sylvestrii ('Peanut Cactus')



- Free plant
- Origin: Unknown (has not been found in the wild)
- Min temp: to 14 deg F
- Forms clumps
 - Stem diameter: to 1/2 in
 - Stem length: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Aloinopsis species



- **Free plant**
- **Origin: South Africa**
- **Min temp: protect from frost**
- **Forms dense mat of clustered rosettes**
 - **Stem width: to 1/2 in**
 - **Stem height: to 3 in**
- **Propagated from cuttings, seeds**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**



Thelocactus heterochromus

- **Free plant**
- **Origin: Northeastern Mexico (Durango, Coahuila)**
- **Min temp: to 14 deg F**
- **Rare: grows slowly**
- **Usually solitary**
 - **Height: to 3 in**
 - **Diameter per stem: to 8 in**
- **Propagated from seed**
- **Full sun**
- **Well-drained soil**



Kalanchoe tomentosa

‘Chocolate Soldier’

- Free plant
- Origin: Madagascar
- Min temp: to 25 deg F
- Forms small shrub
 - Stem diameter: to 3 in
 - Stem height: to 2 ft
- Propagated from seed, leaf cuttings
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Mammillaria mystax



- **Free plant**
- **Origin: Mexico (central)**
- **Min temp: to 14 deg F**
- **Flowers rose-purple**
- **Solitary**
 - **Height: to 6 in**
 - **Diameter: to 4 in**
- **Propagated from seed**
- **Full / filtered sun**
- **Water when dry during warm weather**
- **Use 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



Trichocereus terscheckii



- Free plant
- Origin: Argentina
- Min temp: to 14 deg F
- Grows up to 18 inches/year with water, fertilizer
- Forms numerous branches
 - Height: to 25 ft
 - Diameter: to 18 in
- Propagated from seeds or cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil

Aloe variegata



- **Free plant**
- **Origin: South Africa, Namibia**
- **Min temp: to 20 deg F**
 - Survives in Vail underneath mesquite trees
- **Forms rosettes**
 - Stem width: to 9 in
 - Stem height: to 12 in
- **Propagated from seeds, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use 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



Dorstenia foetida



- Free plant
- Origin: Arabia, Ethiopia, Kenya, Somalia, Yemen, Oman, Tanzania
- Min temp: protect from frost
- Seed pods open explosively when ripe and send seed flying up to 6 ft
- Forms small branching shrub
 - Diameter: to 8 in
 - Height: to 12 in
- Propagated from seed, cuttings
- Filtered 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
- 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

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- Desert Oasis
- Doug Rowsell
 - Miles' to Go
- B & B Cactus Farm
- Bach's Greenhouse Cactus Nursery
 - Marcus White





Tucson Cactus and Succulent Society November 2017

**RAFFLE PLANTS
DOOR PRIZES
FREE PLANTS**

Presented by Donna and Robert Ellis

RAFFLE PLANTS

Prices:

\$1 per ticket

Six tickets for \$5

Echinocereus triglochidiatus



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

Yucca baccata

- Raffle plant
- Origin: SW USA (Arizona, California, Utah, Texas); NW Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg
- May be solitary or clumped
 - Stem height: to 3 ft
 - Stem diameter: to 3 ft
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Use well drained soil mix



Echinocactus horizonthalonius

- 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 in
 - Diameter: to 8 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Yucca brevifolia



Raffle plant

- Origin: USA (California, Arizona, Utah, Nevada)
- Min temp: to 14 deg F
- Aka 'Joshua Tree'
- Forms tree
 - Branch span: to 15 ft
 - Height: to 25 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Agave hybrid 'Sharkskin'

- Raffle plant
- Origin: Cultivar
- Min temp: to 14 deg F
- A asperima x ferdinand-regis
- Forms open rosette
 - Diameter: to 3 ft
 - Height: to 3 ft
- Full sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Coryphantha cornifera



- **Raffle plant**
- **Origin: Mexico (Queretaro, Hidalgo)**
- **Min temp: 14 deg F**
- **Usually solitary**
 - **Diameter: to 6 in**
 - **Height: to 6 in**
- **Propagated from seed**
- **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 alamosanus

- Door prize
- Origin: Mexico (Sonora)
- Min temp: protect from frost in colder areas
- Species threatened in habitat
- Usually solitary
 - Height: to 3 ft
 - Diameter: to 14 in
- Propagated by seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus gracilis



- Door prize
- Origin: Mexico (Baja California)
- Min temp: to 14 deg F
- Usually solitary
 - Diameter: to 1 ft
 - Height: to 3 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

Pachypodium saundersii

- Door prize
- Origin: South Africa
- Min temp: to 25 deg F
- Summer grower
- Forms low branching caudex
 - Diameter: to 18 in
 - Height: to 4 ft
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Agave angustifolia 'Marginata'



- Door prize
- Origin: Mexico
- Min temp: to 14 deg F
- Forms rounded rosette atop a short trunk
 - Stem height: to 4 ft
 - Width: to 4 ft
- Full / filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use porous, well-drained soil

Ferocactus hamatacanthus



- Door prize
- Origin: Texas, New Mexico, Mexico
- Min temp: to 14 deg F
- May form clusters
 - Stem diameter: to 10 in
 - Height: to 18 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

Euphorbia milii v splendens

- Door prize
- Origin: Madagascar
- Min temp: protect from frost
- Forms woody branching shrub
 - Height: to 5 ft
 - Diameter: to 3 ft
- Propagated from seed and cuttings
- Blooms most of the year
- Becomes dormant in summer and may loose leaves
- Filtered sun
- Well-drained soil



FREE PLANTS

Rules:

One plant per person

Must stay until end of meeting

Please be courteous

Mammillaria camptotricha cv marnier-lapostollei

- **Free plant**
- **Origin: Cultivar**
- **Min temp: to 14 deg F**
- **Forms large, flat clump of stems**
 - **Stem diameter: to 2 in**
 - **Clump height: to 4 in**
- **Full / Filtered sun**
- **Propagated from cuttings**
- **Water when dry during warm weather**
- **Use highly porous, well-drained soil**



Lobivia draxleriana



- **Free plant**
- **Origin: Bolivia, Argentina**
- **Min temp: to 14 deg F**
- **Found in higher Andes**
- **Forms flattened sphere**
- **Solitary, may form clumps**
 - **Height: to 6 in**
 - **Stem diameter: to 6 in**
- **Propagated from seed, offsets**
- **Full / filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

Senecio stapeliiformis

- Free plant
- Origin: South Africa (Eastern Cape)
- Min temp: protect from frost
- Forms cluster with erect stems that eventually recline
 - Stem height: to 10 in
 - Stem diameter: to ½ in
- Propagated from seed, rhizomes
- Filtered sun
- Well-drained soil



Neoporteria huascensis

- Free plant
- Origin: Chile (Atacama)
- Min temp: to 14 deg F
- Occurs in coastal areas where little else grows
- Grows buried in ground – almost impossible to spot without flowers
 - Stem diameter: to 4 in
 - Stem height: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



Gymnocalycium cardenasianum

- Free plant
- Origin: Bolivia
- Min temp: give protection in colder areas
- Covered with strong twisted spines that often prevent flower from opening fully
- Usually solitary
 - Diameter: to 6 in
 - Height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Gymnocalycium neuhuberi



- Free plant
- Origin: Argentina (San Luis)
- Min temp: to 14 deg F
- Endangered in habitat
- Usually solitary, may cluster
 - Diameter: to 6 in
 - Height: to 6 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

Mammillaria hahniana

- Free plant
- Origin: Mexico (Guanajuato, San Luis Potosi, Queretero)
- Min temp: to 14 deg F
- Forms clusters
 - Stem diameter: to 3 in
 - Stem height: to 4 in
- Propagated from seed, offsets
- Full / Filtered sun
- Well-drained soil



Mammillaria spinosissima



- Free plant
- Origin: Mexico (Guerrero, Morelos)
- Min temp: give protection in colder areas
- Forms solitary columnar plant, may pup with age
 - Stem diameter: to 4 in
 - Stem height: to 10 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Thelocactus macdowellii

- Free plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary, may cluster in time
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Agave nickelsiae



- Free plant
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 14 deg F
- Grows slowly
- Forms open rosette
 - Diameter: to 18 in
 - Height: to 18 in
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil

Chamaecereus sylvestrii ('Peanut Cactus')



- Free plant
- Origin: Unknown (has not been found in the wild)
- Min temp: to 14 deg F
- Forms clumps
 - Stem diameter: to 1/2 in
 - Stem length: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

Sempervivum arachnoideum

- Free plant
- Origin: Europe (Apennine, Alps, Carpathian mountains)
- Min temp: to 14 deg F
- Forms prolific clusters
 - Stem diameter: to 8 in
 - Stem height: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- 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



Mammillaria dixanthocentron

- Free plant
- Origin: Mexico (Oaxaca, Pueblo)
- Min temp: protect from frost in colder areas
- Usually solitary
 - Stem diameter: to 3 in
 - Height: to 11 in
- Propagated from seed
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



Ferocactus herrerae

'Twisted Barrel'



- Free plant
- Origin: Mexico (Sonora, Sinaloa, Durango)
- Min temp: to 14 deg F
- Ribs form deep spirals
- Usually solitary
 - Height: to 5 ft
 - Diameter: to 18 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



Rebutia minuscula ssp violaciflora

- Free plant
- Origin: Argentina (Salta)
- Min temp: protect from frost
- Forms clusters
 - Stem diameter: to 2 in
 - Stem height: to 1 in
- Full / Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



Glottiphyllum depressum



- Free plant
- Origin: South Africa (Little Karoo, Western Cape)
- Min temp: protect from frost
- Forms clusters close to the ground
 - Cluster diameter: to 12 in
 - Stem length: to 6 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil

Parodia sanguiniflora



Free plant

- Origin: Bolivia, Argentina
- Min temp: to 14 deg F
- Forms solitary sphere
 - Height: to 5 in
 - Diameter: to 4 in
- Full / Filtered sun
- Propagated from seed
- 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
- 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

Lobivia tiegeliana v dimorphypetalia

- Free plant
- Origin: Bolivia, Argentina
- Min temp: to 14 deg F
- Forms small, flat sphere
 - Stem diameter: to 6 in
 - Stem height: to 4 in
- Propagated from seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



Notocactus agnetae



- Free plant
- Origin: Uruguay
- Min temp: to 14 deg F
- Forms small sphere
 - Stem height: to 4 in
 - Stem diameter: to 4 in
- Propagated from seed
- Filtered sun
- Well-drained soil

Aloinopsis species



- **Free plant**
- **Origin: South Africa**
- **Min temp: protect from frost**
- **Forms dense mat of clustered rosettes**
 - **Stem width: to 1/2 in**
 - **Stem height: to 3 in**
- **Propagated from cuttings, seeds**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**



Thelocactus macdowellii

- Free plant
- Origin: Mexico (Coahuila, Nuevo Leon)
- Min temp: to 14 deg F
- Usually solitary, may cluster in time
 - Stem diameter: to 4 in
 - Stem height: to 4 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Echinocereus weedinii (Davis Mountains)

Free plant

- Origin: Texas (Trans-Pecos)
- Min temp: to 14 deg F
- Usually solitary, may form clumps
 - Height: to 8 in
 - Stem diameter: to 2 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



Escobaria vivipara ssp bisbeeana



- Free plant
- Origin: Arizona, New Mexico
- Min temp: to 14 deg F
- Usually solitary but may form clumps
 - Height: to 5 in
 - Diameter: to 3 in
- Propagated from seeds or cuttings
- Full sun
- Water when dry during warm weather
- Well-drained soil

Aloe variegata



- **Free plant**
- **Origin: South Africa, Namibia**
- **Min temp: to 20 deg F**
 - Survives in Vail underneath mesquite trees
- **Forms rosettes**
 - Stem width: to 9 in
 - Stem height: to 12 in
- **Propagated from seeds, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

Thank You To Our Plant Suppliers This Month:

- Miles' to Go
- B & B Cactus Farm
- Bach's Greenhouse Cactus Nursery
- Doug Rowsell

