



# Tucson Cactus and Succulent Society January 2018

**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

**Presented by Donna and Robert Ellis**

# RAFFLE PLANTS

**Prices:**

**\$1 per ticket**

**Six tickets for \$5**

# Mammillaria mystax



- **Raffle plant**
- **Origin: Mexico (central)**
- **Min temp: to 14 deg F**
- **Flowers rose-purple**
- **Usually 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**

# Yucca rostrata

- **Raffle plant**
- **Origin: Texas; Mexico (Coahuila, Chihuahua)**
- **Min temp: to 14 deg**
- **AKA 'Big Bend Yucca'**
- **May be solitary or branching**
  - **Stem height: to 12-16 ft**
  - **Stem diameter: to 3 ft**
- **Propagated from seed**
- **Full sun**
- **Water when dry during warm weather (does not need to be watered once established)**
- **Use well drained soil mix**



# 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

# Euphorbia resinifera

## ‘Moroccan Mound’

- Raffle plant
- Origin: Morocco
- Min temp: to 20 deg F
- Habitat: Atlas Mountains
- Forms dense rounded mat
  - Diameter: to 3 ft
  - Height: to 2 ft
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil





# Dasyllirion 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 (does not need to be watered once established)
- Well-drained soil

# Grusonia kunzei

- **Raffle plant**
- **Origin: USA (Arizona); Mexico (Baja California, Sonora)**
- **Min temp: to 14 deg F**
- **Forms dense mats**
  - **Stem height: to 18 in**
  - **Stem diameter: to 4 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**

# 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



# 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

# Pereskia portulacifolia

- Door prize
- Origin: Dominican Republic, Haiti
- Min temp: protect from frost
- Attracts butterflies, hummingbirds
- Forms small shrub
  - Width: to 2 ft
  - Height: to 5 ft
- Full / filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use porous, well-drained soil



# Mammillaria grusonii



- Door prize
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- One of the largest species in genus
- Usually solitary
  - Diameter: to 12 in
  - Height: to 10 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



# Stapelia grandiflora

- Door prize
- Origin: South Africa
- Min temp: protect from frost
- Forms large, hanging clusters
  - Stem height: to 10 in
  - Stem diameter: to 1 in
- Propagated from seed and cuttings
- Filtered sun
- Well-drained soil



# Matucana aureiflora



- Door prize
- Origin: Peru (Camajarca)
- Min temp: protect from frost
- Flowers stay open day and night
- Usually solitary
  - Diameter: to 8 in
  - Height: to 4 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# FREE PLANTS

## **Rules:**

**One plant per person**

**Must stay until end of meeting**

**Please be courteous**

# 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**



# Euphorbia mamillaris variegata



## Free plant

- Origin: South Africa (Little Karoo and Southern Cape)
- Min temp: to 20 deg F
- Grows quickly
- Forms short shrublet
  - Stem diameter: to 1 in
  - Height: to 10 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Fouquieria macdougalii

- 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



# 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



# Lobivia draxleriana



- **Free plant**
- **Origin: Bolivia, Argentina**
- **Min temp: to 14 deg F**
- **Found in higher Andes**
- **Forms flattened sphere**
- **Usually 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**

# 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



# Anacampseros rufescens



- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Forms small caudex with age
  - Height: to 6 in
  - Caudex diameter: to 2 in
- Propagated from seeds or offsets
- 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



# Faucaria tigrina

- Free plant
- Origin: South Africa (Eastern Cape Province)
- Min temp: protect from frost
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 8 in
- Water sparsely to avoid breaking epidermis
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use 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

# Adromischus cristatus

- Free plant
- Origin: South Africa
- Min temp: to 25 deg F
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 8 in
- Water sparsely to avoid breaking epidermis
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Use 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



# Aeonium haworthia hybrid

## ‘Kiwi’

- Free plant
- Origin: Morocco
- Min temp: protect from frost
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 6 in
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use 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

# 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 ½ in
  - Stem length: to 6 in
- Propagated from seed, offsets
- 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





# 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

# 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

# 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**

# Sempervivum species

- 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



# 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

# 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





# Notocactus warasii



- Free plant
- Origin: Brazil (Rio Grande do Sul)
- Min temp: protect from frost in colder areas
- In habitat grows in rock cracks on walls
- Solitary at first, may cluster in time
  - Stem height: to 18 in
  - Stem diameter: to 12 in
- Propagated from seed, offsets
- Filtered sun
- 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

# 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



# 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**

# Ferocactus alamosanus

- Free 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





# 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**



# 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 sempervivi var tetracantha

- Free plant
- Origin: Mexico (Hidalgo, San Luis Potosi, Nuevo Leon, Guanajuato)
- Min temp: to 14 deg F
- Grows slowly
- Solitary at first, may cluster
  - Stem height: to 6 in
  - Stem diameter: to 6 in
- Propagated from seed, offsets
- Full / Filtered sun
- Well-drained soil



# Thank You To Our Plant Suppliers This Month:

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





# Tucson Cactus and Succulent Society February 2018

**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

**Presented by Donna and Robert Ellis**

# SPECIAL RAFFLE

## Large Queen of the Night (*Peniocereus greggii*)

- Weighs 24 lbs.
- Tickets: \$5 each
- First 20 ticket buyers get complimentary bag of potting soil (one bag per person)



# Peniocereus greggii v transmontanus



- Special Raffle Plant
- Origin: Arizona, Mexico (Sonora)
- Min temp: to 14 deg F
- Aromatic flowers bloom at night
- Forms underground tubers that send slender stems above ground
  - Stem height: to 5 ft
  - Stem diameter: to 1 in
- TCSS guide: page 204
- Full / Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil



# RAFFLE PLANTS

**Prices:**

**\$1 per ticket**

**Six tickets for \$5**

# Echinocereus triglochidiatus var mojavensis

- Raffle plant
- 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



# Dasyllirion acrotriche



- **Raffle plant**
- **Origin: Mexico (Coahuila, Chihuahua)**
- **Min temp: to 14 deg**
- **AKA 'Green Sotol'**
- **Usually solitary**
  - **Stem height: to 6 ft**
  - **Stem diameter: to 5 ft**
- **Full sun**
- **Water when dry during warm weather (does not need to be watered once established)**
- **Use well drained soil mix**

# Opuntia polyacantha var erinacea



- Raffle plant
- Origin: USA (Arizona, California, New Mexico, Colorado, Nevada, Utah)
- Min temp: to 14 deg F
- AKA 'Grizzlybear Prickly Pear'
- Forms large clusters
  - Stem diameter: to 5 in.
  - Stem height: to 18 in.
- Spination highly variable
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Agave stricta

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





# Agave americana medio-picta var alba

- Raffle plant
- Origin: Mexico
- Min temp: to 20 deg F
- Cultivar—smaller than other Agave americanas
- May eventually form clump
  - Diameter: to 3 ft
  - Height: to 2 ft
- Full sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



# 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

# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# Mammillaria mystax



- Door prize
- Origin: Mexico (central)
- Min temp: to 14 deg F
- Flowers rose-purple
- Usually 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

# 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





# Ferocactus wislizeni



- Door prize
- Origin: Texas, New Mexico, Arizona
- Min temp: to 14 deg F
- Native 'Fishhook Barrel'
- Usually solitary, may form clusters
  - Stem diameter: to 18 in
  - Height: to 7 ft
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Pereskia portulacifolia

- Door prize
- Origin: Dominican Republic, Haiti
- Min temp: protect from frost
- Attracts butterflies, hummingbirds
- Forms small shrub
  - Width: to 2 ft
  - Height: to 5 ft
- Full / filtered sun
- Propagated from seed, cuttings
- Water when dry during warm weather
- Use porous, well-drained soil



# Astrophytum capricorne var senilis



- Door prize
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- In habitat grows among grasses in rock crevices
- Usually solitary
  - Diameter: to 6 in
  - Height: to 12 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Gasteraloe 'Green Ice'

- Door prize
- 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



# FREE PLANTS

## **Rules:**

**One plant per person**

**Must stay until end of meeting**

**Please be courteous**



# 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 mamillaris variegata



## Free plant

- Origin: South Africa (Little Karoo and Southern Cape)
- Min temp: to 20 deg F
- Grows quickly
- Forms short shrublet
  - Stem diameter: to 1 in
  - Height: to 10 in
- Propagated from seed, offsets
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

# 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**



# 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



# Ferocactus alamosanus

- Free 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





# 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





# Lobivia draxleriana



- **Free plant**
- **Origin: Bolivia, Argentina**
- **Min temp: to 14 deg F**
- **Found in higher Andes**
- **Forms flattened sphere**
- **Usually 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**

# 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



# Anacampseros rufescens



- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Forms small caudex with age
  - Height: to 6 in
  - Caudex diameter: to 2 in
- Propagated from seeds or offsets
- 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



# Faucaria tigrina

- Free plant
- Origin: South Africa (Eastern Cape Province)
- Min temp: protect from frost
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 8 in
- Water sparsely to avoid breaking epidermis
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use 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



# Adromischus cristatus

- Free plant
- Origin: South Africa
- Min temp: to 25 deg F
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 8 in
- Water sparsely to avoid breaking epidermis
- Propagated from seed, cuttings
- Filtered sun
- Water when dry during warm weather
- Use 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

# Aeonium haworthia hybrid

## ‘Kiwi’

- Free plant
- Origin: Morocco
- Min temp: protect from frost
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 6 in
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use 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

# 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 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





# Sempervivum species

- 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



# 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 warasii



- **Free plant**
- **Origin: Brazil (Rio Grande do Sul)**
- **Min temp: protect from frost in colder areas**
- **In habitat grows in rock cracks on walls**
- **Solitary at first, may cluster in time**
  - **Stem height: to 18 in**
  - **Stem diameter: to 12 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **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

# 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
- 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**





# 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 sempervivi var tetracantha

- Free plant
- Origin: Mexico (Hidalgo, San Luis Potosi, Nuevo Leon, Guanajuato)
- Min temp: to 14 deg F
- Grows slowly
- Solitary at first, may cluster
  - Stem height: to 6 in
  - Stem diameter: to 6 in
- Propagated from seed, offsets
- Full / Filtered sun
- Well-drained soil



# Thank You To Our Plant Suppliers This Month:

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





# Tucson Cactus and Succulent Society March 2018

**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

**Presented by Donna and Robert Ellis**

# RAFFLE PLANTS

**Prices:**

**\$1 per ticket**

**Six tickets for \$5**

# Peniocereus greggii v transmontanus

- Raffle plant
- Origin: Arizona, Mexico (Sonora)
- Min temp: to 14 deg F
- Forms large underground tubers that send slender stems above ground
  - Stem height: to 5 ft
  - Stem diameter: to 1 in
- TCSS guide: page 204
- Full / Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil





# Yucca rupicola



- Raffle plant
- Origin: Texas (west-central)
- Min temp: to 14 deg
- AKA 'Twisted-Leaf Yucca'
- Eventually forms clump
  - Stem height: to 2 ft
  - Stem diameter: to 2 ft
- Full sun
- Propagated from seed, offsets
- Water when dry during warm weather (does not need to be watered once established)
- Use well drained soil mix

# Gymnocalycium bruchii x denudatum

- Raffle plant
- Origin: Cultivar
- Min temp: to 14 deg F
- Usually solitary
  - Stem diameter: to 4 in
  - Height: to 3 in
- Propagated from seed
- Full / Filtered sun
- Well-drained soil



# Yucca endlichiana



- **Raffle plant**
- **Origin: Mexico (Chihuahua)**
- **Min temp: 15 deg F**
- **Forms clusters**
  - **Height: to 14 in**
  - **Diameter: to 24 in**
- **Very slow growing**
- **Red-orange flower grows close to ground; opens to reveal white blossom**
- **Full / filtered sunlight**
- **Propagate by seed, offsets**
- **Water when dry during warm weather**

# Agave parryi var truncata 'Huntington'



- Raffle plant
- Origin: Mexico
- Min temp: to 14 deg F
- Clone originally grown at Huntington Botanical Garden
- Rosettes eventually form clusters
  - Rosette diameter: to 2 ft
  - Rosette height: to 2 ft
- Full sun
- Propagated from offsets
- Water when dry during warm weather
- Use highly porous, well-drained soil



# Ferocactus macrodiscus

- Raffle plant
- Origin: San Luis Potosi, Guanajuato, Mexico
- Min temp: 25 deg F
- Solitary; slow growing
- Aka: 'Candy Barrel'
- Height: up to 12 inches
- Diameter: up to 12 inches
- Propagated from seeds
- 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**



# Aloe hybrid 'Nobilis'

- Door prize
- Origin: South Africa
- Hardy to 25 deg F
- Width: Clusters to 24 inches
- Height: up to 24 inches
- Propagated from offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Thelocactus rinconensis var freudenbergeri



- Door prize
- Origin: Mexico (Nuevo Leon)
- Min temp: to 15 deg F
- Solitary
  - Height: to 4 in
  - Diameter: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Stenocereus eruca

- Door prize
- 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



# Glottiphyllum depressum



- Door prize
- 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



# Ferocactus wislizeni



- Door prize
- Origin: Texas, New Mexico, Arizona
- Min temp: to 14 deg F
- Native 'Fishhook Barrel'
- Usually solitary, may form clusters
  - Stem diameter: to 18 in
  - Height: to 7 ft
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- 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**





# FREE PLANTS

## **Rules:**

**One plant per person**

**Must stay until end of meeting**

**Please be courteous**

# Pachycereus marginatus



- Free plant
- Origin: Central Mexico (San Luis Potosi, Queretaro, Guanajuato, Oaxaca)
- Min temp: give frost protection in colder areas
- Usually solitary, may branch from base
  - Stem diameter: to 8 in
  - Height: to 12 ft
- Full sun
- Propagated from seed, cuttings
- Water when dry during warm weather
- Use highly porous, well-drained soil

# Aloe brevifolia

- Free plant
- Origin: South Africa (Western Cape)
- Min temp: to 25 deg F
- Forms small-scale ground cover
- Rosette, eventually forms clump
  - Rosette diameter : to 4 in
  - Clump height: to 12 in
- Propagated from offsets, 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

# Senecio stapelliiformis

- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Underground shoots emerge to form upright stems
  - Height: to 12 in
  - Stem diameter: to ½ in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Parodia 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**



# Faucaria paucidens

- Free plant
- Origin: South Africa (Eastern Cape)
- Min temp: can tolerate a short period of light frost
- Forms a ground cover
  - Height: to 6 in
  - Rosette diameter: to 4 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Rebutia muscula



- **Free plant**
- **Origin: Bolivia (Narvaez, Tarija)**
- **Min temp: to 14 deg F**
- **Forms large low clumps**
  - **Diameter of stem: to 1 in**
  - **Height: to 2 in**
- **Propagated from seed, cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

# Haworthia cuspidata

- Free plant
- Origin: Cultivar
- Probably a hybrid of *H. cymbiformis* x *H. retusa*
- Min temp: protect from frost
- Forms a rosette that eventually clusters
  - Height: to 4 in
  - Stem diameter: to 4 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Mammillaria sempervivivi



- **Free plant**
- **Origin: Mexico (Hidalgo, San Luis Potosi, Nuevo Leon, Guanajuato)**
- **Min temp: to 14 deg F**
- **Grows slowly**
- **Solitary at first, may cluster**
  - **Stem height: to 6 in**
  - **Stem diameter: to 6 in**
- **Propagated from seed**
- **Full / Filtered sun**
- **Well-drained soil**

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- B & B Cactus Farm
  - Miles' to Go
  - Robert Ellis





# Tucson Cactus and Succulent Society April 2018

**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

**Presented by Donna and Robert Ellis**



# RAFFLE PLANTS

**Prices:**

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**Six tickets for \$5**

# Mammillaria parkinsonii



- Raffle plant
- Origin: Mexico (Queretero)
- Min temp: to 14 deg F
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 6 in
- Propagated from seed, offsets
- Full sun
- 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 offsets
- Full sun
- Well-drained soil

# Mammillaria petterssonii



- Raffle plant
- Origin: Mexico (Guanajuato, Queretaro, Zacatecas)
- Min temp: to 14 deg F
- Usually solitary, may form cluster in time
  - Stem height: to 10 in
  - Stem diameter: to 9 in
- Propagated by seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Aloe hybrid 'Nobilis'

- Raffle plant
- Origin: South Africa
- Hardy to 25 deg F
- Width: Clusters to 24 inches
- Height: up to 24 inches
- Propagated from offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil





# Yucca faxoniana



- Raffle plant
- Origin: West Texas
- Min temp: To 14 deg G
- Aka 'Spanish Dagger'
- Forms tree-like trunk with multiple heads
  - Height: To 12 ft
  - Diameter: to 6 ft
- Propagated from seed, offsets
- Full sun
- Well-drained soil



# Ferocactus glaucescens

- Raffle plant
- Origin: Mexico (Hidalgo)
- Min temp: give protection in colder areas
- Habitat: juniper woodland
- Usually solitary, may form cluster in time
  - Height: to 2 ft
  - Diameter: to 18 in
- Has white fruit
- Propagated by seed
- 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**

# Echinocereus brandegeei



- Door Prize
- Origin: Mexico (Baja California)
- Min temp: give protection in colder areas
- Blooms later than most Echinocereus – late July to September
- Forms sprawling clusters
  - Stem diameter: to 3 in
  - Stem height: to 18 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Echeveria harmsii

- Door prize
- Origin: Mexico
- Min temp: protect from frost
- Forms small shrub
  - Stem width: to 3 in
  - Stem height: to 12 in
- Propagated from seeds, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Use 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

# Euphorbia leucodendron



- Door prize
- Origin: Madagascar
- Min temp: to 25 deg F
- Forms spineless shrub
  - Height: to 5 ft
  - Diameter: to 5 ft
- Propagated from seed, offshoots
- Full sun
- Water when dry during warm weather
- 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



# Aloe hybrid 'Moon'

- Door prize
- Origin: cultivar
- Min temp: protect from frost
- Creates cluster of rosettes
  - Width of stem: up to 4 in
  - Height of stem: to 6 in
- Propagated by offshoots
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



# FREE PLANTS

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# 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

# Pachypodium lamerei



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

# 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





# Agave victoria reginae hybrid



- Free plant
- Origin: cultivar
- Min temp: to 14 deg F
- Usually forms single rosette
  - Stem diameter: to 12 in
  - Height: to 15 in
- Full / Filtered sun
- Water when dry during warm weather
- Use highly porous, 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**



# Agave bovicornuta x colorata

- Free plant
- Origin: Cultivar
- Min temp: to 20 deg F
- Cultivar has wide variations
- Usually solitary
  - Diameter : to 24 in
  - Height: to 18 in
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Astrophytum myriostigma



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

# Pachypodium bispinosum



- Free plant
- Origin: S Africa (Eastern Cape)
- Min temp: tolerates frost
- Deciduous caudiciform shrub
  - Height: to 5 ft.
  - Base diameter: to 8 in
- Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil



# Chamaecereus hybrid ( 'Peanut Cactus' )



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



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





# Tucson Cactus and Succulent Society June 2018

RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS

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# RAFFLE PLANTS

**Prices:**

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**Six tickets for \$5**

# Trichocereus hybrid (red flower)

- Raffle plant
- Origin: South America
- Min temp: 32 deg F
- Psychoactive (mescaline)
- Forms branches
  - Stem height: to 16 in
  - Stem diameter: to 3 in
- Full/filtered sun
- Water when dry during warm weather
- Use 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



# Echinocactus horizontalonius

- 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





# Ferocactus emoryi ssp covillei



- Raffle plant
- 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

# Hesperaloe hybrid 'Buttercup'



- 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 offsets
- Full sun
- Well-drained soil

# Adenium obesum

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



# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# Echinopsis x 'First Light'

- Door Prize
- Origin: Cultivar by Mark Dimmit
- Min temp: to 14 deg F
- Forms clusters
  - Stem diameter: to 3 in
  - Stem height: to 24 in
- Propagated from offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Haworthia limifolia striata hybrid



- Door prize
- Origin: East Africa
- Protect from frost
- Forms rosettes that cluster
  - Stem diameter: to 4 in
  - Stem height: to 4 in
- Propagated from offsets, seed
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



# Ferocactus histrix

- 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



# 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 geminispina

- Door prize
- Origin: Mexico (Hidalgo, Queretaro, San Luis Potosi)
- Min temp: to 14 deg F
- Forms large clusters
  - Stem diameter to 3 in
  - Height: to 15 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil



# Haworthia species



- Door prize
- Origin: South Africa
- Min temp: to 25 deg F
- Summer grower
- Grows as rosettes that cluster
  - Stem diameter: to 2 in
  - Height: to 8 in
- Propagated from offsets, seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

# FREE PLANTS

## **Rules:**

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**Please be courteous**

# Astrophytum myriostigma



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



# Senecio stapelliiformis

- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Underground shoots emerge to form upright stems
  - Height: to 12 in
  - Stem diameter: to ½ in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Chamaecereus hybrid ( 'Peanut Cactus' )



- Free plant
- Origin: Unknown (has not been found in the wild)
- Min temp: to 14 deg F
- Forms hanging clumps
  - Stem diameter: to 1 in
  - Stem length: to 6 in
- Propagated from offsets
- Full / Filtered 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



# 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

# Echeveria runyonii var lucita

- Free plant
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 4 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil





# Trichocereus candicans

## ‘Argentine Giant’



- **Free plant**
- Origin: Argentina
- Min temp: to 14 deg F
- Blooms profusely
- Flowers are fragrant
- Forms clumps:
  - Stem height: 18 to 24 in
  - Stem diameter: to 4 in
- Propagated from seeds, cuttings
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



# Agave potatorum (dwarf)

- Free plant
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 5 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Echinopsis obrepanda



- Free plant
- Origin: Bolivia
- Min temp: to 14 deg F
- Natural hybrid
- Readily forms clusters
  - Stem height: to 3 in
  - Stem diameter: to 3 in
- Propagated by cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Coryphantha greenwoodii

- **Free plant**
- **Origin: Mexico (Piedras Blancas, Veracruz)**
- **Min temp: to 14 deg F**
- **Usually solitary, may cluster in time**
  - **Stem height: to 5 in**
  - **Stem diameter: to 5 in**
- **Propagated by seed, cuttings**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**



# Thank You To Our Plant Suppliers This Month:

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





# Tucson Cactus and Succulent Society July 2018

**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

**Presented by Donna and Robert Ellis**

# RAFFLE PLANTS

**Prices:**

**\$1 per ticket**

**Six tickets for \$5**



# Cereus schottii monstrose

## 'Obesa'



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

# Agave salmiana hybrid 'Mr. Ripple'

- Raffle
- Origin: San Luis Potosi, Mexico
- Min Temp: Hardy to 10 deg F
- Mostly solitary
  - Height: to 5 ft
  - Diameter: to 8 ft
- Reproduced via tissue culture
- *A. salmiana* x *A. protoamericana* ?
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil



# Ferocactus hematacanthus

## Raffle

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



# Agave colorata 'Blue'



- Raffle
- 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

# Astrophytum ornatum

## Raffle

- 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





# Pereskia grandifolia v violaceae



- Raffle
- Origin: Brazil
- Min temp: protect from frost
- Attracts butterflies, hummingbirds
- Primitive 'ancestral cactus'
- Forms small shrub
  - Width: to 2 ft
  - Height: to 5 ft
- Full / filtered sun
- Propagated from seed or cuttings
- Water when dry during warm weather
- Use porous, well-drained soil



# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# Encyclia michuacana

- Door Prize
- Origin: Mexico, Guatemala, Honduras
- Terrestrial orchid
- Min temp: protect from frost
  - Stem diameter: to ½ in
  - Stem height: to 14 in
- Propagated from bulbs/underground roots
- Filtered sun
- Has water needs similar to a succulent
- Well-drained soil



# Ferocactus histrix



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

# Aloe zanzibarica

- Door Prize
- Origin: Zanzibar (island off coast of Tanzania in eastern Africa)
- Min Temp: Protect from frost
- Forms large mats (photo shows 40-year-old colony at Tanque Verde Greenhouses)
- Flowers attract hummingbirds
- Filtered sunlight
- Water when dry during warm weather
- Well-drained soil



# Thelocactus rinconensis var freudenbergeri



- Door prize
- Origin: Mexico (Nuevo Leon)
- Min temp: to 15 deg F
- Solitary
  - Height: to 4 in
  - Diameter: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Haworthia coarctata

- Door prize
- Origin: South Africa (Eastern Cape Province)
- Protect from frost
- Forms large clumps
  - Stem diameter: to 2 in
  - Stem height: to 9 in
- Propagated from offsets, seed
- Filtered sun
- Water when dry during warm weather
- Use 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

# FREE PLANTS

## **Rules:**

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**Please be courteous**

# 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

# Anacampseros rufescens

- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Forms small caudex with age
  - Height: to 6 in
  - Caudex diameter: to 2 in
- Propagated from seeds or offsets
- Filtered sun
- Water when dry during warm weather
- 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

# 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





# Ferocactus wislizeni f flavispina



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

# Agave angustifolia

- **Free plant**
- **Origin: Mexico, Central America**
- **Min temp: hardy to 20 deg F**
- **Forms dense rosette:**
  - **Stem height: to 4 ft**
  - **Width: to 4 ft**
- **Full / filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use porous, 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

# Crassula muscosa lycopodiodes

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



# Mammillaria sempervivi



- **Free plant**
- **Origin: Mexico (Hidalgo, San Luis Potosi, Guanajuato, Queretaro)**
- **Min temp: to 14 deg F**
- **Usually solitary**
  - **Stem diameter: to 4 in**
  - **Stem height: to 5 in**
- **Propagated from seed**
- **Filtered/ Full sun**
- **Water when dry during warm weather**
- **Well-drained soil**

# Agave potatorum (dwarf)

- Free plant
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 5 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil





# Echinopsis obrepanda



- Free plant
- Origin: Bolivia
- Min temp: to 14 deg F
- Natural hybrid
- Readily forms clusters
  - Stem height: to 3 in
  - Stem diameter: to 3 in
- Propagated by cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

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- Grigsby Cactus Gardens





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**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

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# RAFFLE PLANTS

**Prices:**

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**Six tickets for \$5**

# Agave parryi



- Raffle plant
- Origin: Arizona, New Mexico, Mexico
- Min temp: to 14 deg F
- Forms clusters
  - Rosette diameter: to 24 in
  - Rosette height: to 18 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

# 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 parrasana

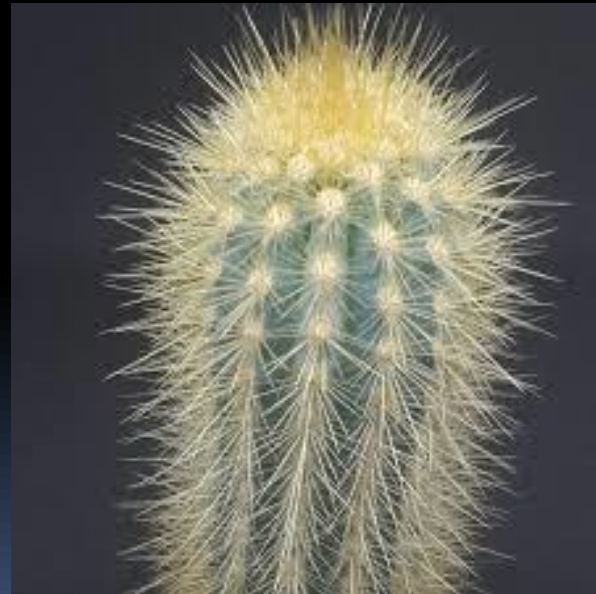


- **Raffle Plant**
- Origin: Mexico (Coahuila)
- Grows in Parras Mountains from 4500-8000 ft elevation
- Min temp: to 14 deg F
- Aka 'Cabbage Head Agave'
- Forms compact rosette with few offsets
  - Diameter: to 2 ft
  - Height: to 2 ft
- Propagated from seed, offsets
- Full / filtered sun
- Water when dry during warm weather
- Well-drained soil

# Micranthocereus estevesii

## Raffle Plant

- Origin: Brazil
- Min temp: 14 deg F
- May form clusters
  - Diameter: to 3 in
  - Height: to 6 ft
- Mature plants form cephalum on side
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Agave geminiflora

- **Raffle Plant**
- 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



# Trichocereus sp (Flower Color?)

- Raffle plant
- Origin: South America
- Min temp: 14 deg F
- Psychoactive (mescaline)
- Forms branches
  - Stem height: to 16 in
  - Stem diameter: to 3 in
- Full/filtered sun
- Water when dry during warm weather
- Use well-drained soil



# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# Ferocactus histrix



- 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



# Haworthia hybrid - variegated

- Door Prize
- Origin: South Africa
- Min temp: protect from frost
- Forms clusters
  - Stem diameter: to 4 in
  - Stem height: to 6 in
- Filtered sun
- Water when dry in warm weather
- Well-drained soil



# Mammillaria grusonii



- Door Prize
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- One of the largest species in genus
- Usually solitary
  - Diameter: to 12 in
  - Height: to 10 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Haworthia hybrid

- Door Prize
- Origin: South Africa
- Min temp: protect from frost
- Forms clusters
  - Stem diameter: to 4 in
  - Stem height: to 6 in
- Filtered sun
- Water when dry in warm weather
- Well-drained soil



# Echinocereus brandegeei



- Door Prize
- Origin: Mexico (Baja California)
- Min temp: give protection in colder areas
- Blooms later than most Echinocereus – late July to September
- Forms sprawling clusters
  - Stem diameter: to 3 in
  - Stem height: to 18 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Agave potatorum (dwarf)

- Door prize
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 5 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# FREE PLANTS

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**Please be courteous**



# 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

# Agave angustifolia

- **Free plant**
- **Origin: Mexico, Central America**
- **Min temp: hardy to 20 deg F**
- **Forms dense rosette:**
  - **Stem height: to 4 ft**
  - **Width: to 4 ft**
- **Full / filtered sun**
- **Propagated from seed, offsets**
- **Water when dry during warm weather**
- **Use porous, 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

# Ferocactus glaucescens 'inermis'



- Free plant
- Origin: Cultivar
- Min temp: give protection in colder areas
- Spines tend to fall off as plant ages
- Initially solitary, may form large mound of multiple heads
  - Height: to 2 ft
  - Diameter: to 18 in
- Has white fruit
- Propagated by seed
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Agave potatorum (dwarf)

- Free plant
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 5 in
- 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



# Echinopsis subdenudata

- 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



# Notocactus uebelmanniana (Yellow-flowered)

- Free plant
- Origin: Brazil (Rio Grande Do Sul)
- Min temp: to 25 deg F
- Nearly extinct in native habitat
- Usually solitary, may form small clumps
  - Height: to 6 in
  - Diameter: to 6 in
- Propagated from seeds or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Echinocereus klapperi



- Free plant
- Origin: Mexico (Sonora)
- Min temp: protect from frost
- In habitat grows in oak woodland
- Clusters
  - Stem diameter: to 1 in
  - Height: to 6 in
- Propagated from seed or offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Lobivia wrightiana



- **Free plant**
- **Origin: Peru (Huancavelica)**
- **Min temp: to 14 deg F**
- **Usually solitary, may pup with age**
  - **Stem diameter: to 4 in**
  - **Stem height: to 1 in**
- **Propagated from seed, offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

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- B & B Cactus Farm





# Tucson Cactus and Succulent Society September 2018

**RAFFLE PLANTS  
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# RAFFLE PLANTS

**Prices:**

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**Six tickets for \$5**

# SPECIAL RAFFLE

## Queen of the Night

*Peniocereus greggii*

Rescued at Drexel/Houghton

- Tuber : 11+ lbs
- White tickets
- Price \$5 each / 5 for \$20



# Yucca schottii

- Raffle plant
- Origin: USA (Arizona, New Mexico), Mexico (Sonora, Coahuila)
- Min temp: to 14 deg F
- Forms one or two branches
  - Branch diameter: to 6 ft
  - Branch height: to 12 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



# Ferocactus emoryi var rectispinus



- Raffle 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

# 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



# Mammillaria parkinsonii



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



# Beaucarnea stricta

- Raffle plant
- Origin: Mexico (Guerrero, Puebla, Oaxaca)
- Min temp: some protection in colder areas
- Forms caudex with tortoise-shell texture
  - Stem width: to 24 in
  - Height: to 30 ft
- Propagated by seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



# 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

# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# Ferocactus histrix



- 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

# Euphorbia royleana

- Door Prize
- Origin: Asia (Pakistan, India, Bhutan, Myanmar, Nepal, China)
- Min temp: give cover from frost in colder areas
- Habitat: Dry, hot rocky slopes of outer range of western Himalaya
- Leaves are deciduous
- Forms stem with branches
  - Stem diameter: to 3 in
  - Stem height: to 10 ft
- Propagated by seed, cuttings
- Full, filtered sun
- Water when dry in warm weather
- Well-drained soil



# Astrophytum coahuilense



- Door Prize
- Origin: Mexico (narrow distribution in southwest Coahuila, Durante)
- Min temp: to 14 deg F
- Has pinkish fruit
- Grows slowly; usually solitary
  - Diameter: to 4 in
  - Height: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



# Aloe hybrid

- Door Prize
- Origin: South Africa
- Min temp: protect from frost
- Forms clusters
  - Stem diameter: to 4 in
  - Stem height: to 6 in
- Filtered sun
- Water when dry in warm weather
- Well-drained soil



# Mammillaria sonorensis



- Door prize
- 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

# Aloe jucunda

- Door prize
- Origin: Africa (Somalia)
- Min temp: to 25 deg F
- Forms dense clusters
  - Stem height: to 12 in
  - Stem diameter: to 3 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# FREE PLANTS

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**Please be courteous**

# Agave nickelsiae

- Free plant
- Origin: Mexico (Coahuila, Durango, Nuevo Leon)
- Min temp: to 14 deg F
- Formerly 'ferdinand-regis'
- 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





# Euphorbia ferox

- **Free plant**
- **Origin: South Africa (Great Karoo)**
- **Tolerates light frosts**
  - **Width: Clusters to 18 inches**
  - **Height: up to 12 inches**
- **Propagated from offsets**
- **Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**





# Echinopsis chamaecereus hybrid (‘Peanut Cactus’)



- Free plant
- Origin: Argentina? (Has not been found in the wild since 1900)
- Min temp: to 14 deg F
- Forms hanging clumps
  - Stem diameter: to 1 in
  - Stem length: to 6 in
- Propagated from offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Mammillaria melanocentra

- Free plant
- Origin: Mexico (Coahuila, Durango, Tamaulipas, Nuevo Leon)
- Min temp: to 14 deg F
- Solitary
  - Height: up to 4 inches
  - Width: up to 6 inches
- Propagated from seeds
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Astrophytum myriostigma



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

# Mammillaria senilis

- Free plant
- Origin: Mexico (Chihuahua, Jalisco, Sinaloa)
- Min temp: to 14 deg F
- Habitat: pine forests at high altitudes
- Forms low spreading clusters
  - Stem height: to 6 in
  - Stem diameter: to 4 in
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



# Senecio stapeliformis

- Free plant
- Origin: South Africa
- Min temp: protect from frost
- Underground shoots emerge to form upright stems
  - Height: to 12 in
  - Stem diameter: to ½ in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Ferocactus wislizeni



- Free plant
- Origin: USA (Arizona, New Mexico, Texas); Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg F
- Aka 'Fishhook Barrel'
- Usually solitary
  - Stem diameter: to 24 in
  - Stem height: to 6 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



# Soehrensia korethroides

(Echinopsis formosa ssp korethroides)

- Free plant
- Origin: Argentina (Los Andes)
- Min temp: to 10 deg F
- Tolerates ice, snow, hail and rain
- Solitary at first, forms colonies with age
- Matures into barrel with dense spines
  - Stem height: to 2 ft
  - Stem width: to 1 ft
- Filtered sun
- Propagated from seed, offsets
- Water when dry during warm weather,
- Use porous, well-drained soil



# Mammillaria candida

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



# Lobivia purpureominata



- Free plant
- Origin: Argentina (Catamarca)
- Min temp: to 14 deg F
- Forms upright/sprawling stems
  - Stem diameter: to 5 in
  - Stem height: to 4 ft
- Propagated from seed, offsets
- Full / 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

# Lobivia oxyalabastra

- Free plant
- Origin: Bolivia, Peru
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 2 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# Thank You To Our Plant Suppliers This Month:

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







# Tucson Cactus and Succulent Society October 2018

**RAFFLE PLANTS  
DOOR PRIZES  
FREE PLANTS**

**Presented by Donna and Robert Ellis**

# RAFFLE PLANTS

**Prices:**

**\$1 per ticket**

**Six tickets for \$5**

# Mammillaria geminispina



- Raffle plant
- Origin: Mexico (Hidalgo, Queretaro, San Luis Potosi)
- Min temp: to 14 deg F
- Forms large clusters
  - Stem diameter to 3 in
  - Height: to 15 in
- Propagated from seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Euphorbia tirucalli 'Firestick'

- Raffle plant
- Origin: South Africa, India
- Min temp: to 25 deg F
- Forms shrub
  - Diameter: to 6 ft
  - Height: to 6 ft
- Propagated from seed, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Trichocereus terscheckii



- Raffle 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

# Cissus subaphylla

- Raffle plant
- Origin: Yemen (Socotra)
- Min temp: protect from frost
- Forms low shrubby mat
  - Stem length: to 3 ft
  - Stem width: to ½ in
- Propagated from seed, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil





# Mammillaria grahamii

## ‘Arizona Pincushion’



- Raffle plant
- Origin: Arizona
- Min temp: to 14 deg F
- Forms clusters
  - Head height: to 8 in
  - Head diameter: to 4 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Pachypodium meridionale

- Raffle plant
- Origin: Madagascar
- Min temp: protect from frost
- Becomes a branched tree in native habitat
  - Tree height: to 10 ft
  - Trunk width: to 8 in
- Propagated from seed, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# Denmoza rhodacantha



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

# Faucaria tigrina

- Door prize
- Origin: South Africa (Eastern Cape Province)
- Min temp: protect from frost
- Forms low spreading clusters
  - Height: to 6 in
  - Diameter: to 8 in
- Water sparsely to avoid breaking epidermis
- Propagated from seeds, cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



# Thelocactus rinconensis var freudenbergeri



- Door prize
- Origin: Mexico (Nuevo Leon)
- Min temp: to 15 deg F
- Solitary
  - Height: to 4 in
  - Diameter: to 8 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



# Agave colorata

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



# Mammillaria grusonii



- Door prize
- Origin: Mexico (Coahuila, Durango)
- Min temp: to 14 deg F
- One of the largest species in genus
- Usually solitary
  - Diameter: to 12 in
  - Height: to 10 in
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Agave potatorum (dwarf)

- Door prize
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 8 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# FREE PLANTS

## **Rules:**

**One plant per person**

**Must stay until end of meeting**

**Please be courteous**

# Adenium species

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



# Mammillaria plumosa



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



# Lithops (assorted species)

## Free plant

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



# Austrocylindropuntia subulata



- **Free plant**
- **Origin: Peru (Andes)**
- **Min temp: to 14 deg F**
- **Forms tall branching shrub**
  - **Stem diameter: to 1 in**
  - **Stem height: to 6 ft**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

# Dorstenia species

- **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



# Stenocactus albatrus



- Free plant
- Origin: Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Solitary
  - Height: up to 6 inches
  - Width: up to 4 inches
- Propagated from seeds
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Pleiospilos nelli

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



# Copiapoa barquitenensis



- Free plant
- Origin: Chile (Antofagasta)
- Min temp: protect from frost
- Usually solitary
  - Width: to 2 in
  - Height: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Euphorbia flanaganii cristata

- **Free plant**
- **Origin: South Africa (Eastern Cape)**
- **Cristate form is a cultivar**
- **Min temp: protect from frost**
- **Forms a mound**
  - **Mound height: to 6 in**
  - **Mound diameter: to 12 in**
- **Propagated from offsets**
- **Filtered sun**
- **Well-drained soil**



# Lobivia famatinensis



- Free plant
- Origin: Argentina (Catamarca, Sierras de Famatina, La Rioja)
- Min temp: to 14 deg F
- Usually solitary or slow clumping
  - Stem diameter: to 1 in
  - Stem height: to 1 in
- Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

# Albuca namaquensis

- Free plant
- Origin: South Africa (Eastern Cape); Namibia
- Min temp: protect from frost
- Forms clusters of bulbs
  - Height: to 6 in
  - Bulb width: to 1 in
- Filtered sun
- Propagated from offsets
- Water when dry during warm weather,
- Use porous, well-drained soil



# Mammillaria vetula gracilis



- **Free plant**
- **Origin: Mexico (Hidalgo, Queretaro)**
- **Min temp: protect from frost**
- **Forms low spreading clusters**
  - **Stem height: to 1 in**
  - **Stem diameter: to 3/4 in**
- **Propagated from cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**

# Stenocactus vaupelianus



- Free plant
- Origin: Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Solitary
  - Height: up to 6 inches
  - Width: up to 4 inches
- Propagated from seeds
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Ferocactus wislizeni



- Free plant
- Origin: USA (Arizona, New Mexico, Texas); Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg F
- Aka 'Fishhook Barrel'
- Usually solitary
  - Stem diameter: to 24 in
  - Stem height: to 6 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil



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- TCSS Cactus Rescue Crew





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FREE PLANTS**

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# RAFFLE PLANTS

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# 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



# Mammillaria petterssonii



- Raffle plant
- Origin: Mexico (Guanajuato, Queretaro, Zacatecas)
- Min temp: to 14 deg F
- Usually solitary, may form cluster in time
  - Stem height: to 10 in
  - Stem diameter: to 9 in
- Propagated by seed, offsets
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Cyphostemma juttae

- **Raffle plant**
- **Origin: Namibia, South Africa**
- **Min temp: can tolerate light frost**
- **Slow growing**
- **Deciduous in winter**
- **Forms caudiciform trunk**
  - **Height: to 6 ft**
  - **Diameter: to 3 ft**
- **Propagated from seed, cuttings**
- **Full / Filtered sun**
- **Use well-drained soil**





# Trichocereus terscheckii



- Raffle 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

# 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



# Stetsonia coryne



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

# DOOR PRIZES

**Pick up ticket as you enter**

**Must have your name tag**

# 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

# Euphorbia tirucalli 'Firestick'

- Door prize
- Origin: South Africa, India
- Min temp: to 25 deg F
- Forms shrub
  - Diameter: to 6 ft
  - Height: to 6 ft
- Propagated from seed, cuttings
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil





# Mammillaria grahamii

## 'Arizona Pincushion'



- Door Prize
- Origin: Arizona
- Min temp: to 14 deg F
- Forms clusters
  - Head height: to 8 in
  - Head diameter: to 4 in
- Propagated from seed, offsets
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Euphorbia milli v splendens

- Door prize
- Origin: Madagascar
- Min temp: protect from frost
- May have red, pink, or white flowers
- Forms climbing shrub
  - Height: to 4 ft
  - Diameter: to 3 ft
- Propagated from cuttings
- Filtered sun
- Water when dry during warm weather
- Use well-drained soil



# Pachycereus pringlei



- Door prize
- Origin: Mexico (Baja California, Sonora)
- Min temp: protect from frost
- Aka 'Cardon'
- Forms a columnar cactus w/arms
  - Diameter: to 3 ft
  - Height: to 30 ft
- Propagated from seed
- Full sun
- Water when dry during warm weather
- Well-drained soil

# Agave potatorum (dwarf)

- Door prize
- Origin: Mexico
- Min temp: protect from frost
- Forms clusters
  - Stem height: to 6 in
  - Stem diameter: to 8 in
- Propagated from seed, offsets
- Filtered sun
- Well-drained soil



# FREE PLANTS

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**One plant per person**

**Must stay until end of meeting**

**Please be courteous**

# Adenium species

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





# Mammillaria plumosa



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

# Lithops (assorted species)

## Free plant

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



# Austrocylindropuntia subulata



- **Free plant**
- **Origin: Peru (Andes)**
- **Min temp: to 14 deg F**
- **Forms tall branching shrub**
  - **Stem diameter: to 1 in**
  - **Stem height: to 6 ft**
- **Propagated from seed, offsets**
- **Full / Filtered sun**
- **Water when dry during warm weather**
- **Well-drained soil**

# Dorstenia species

- **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



# Stenocactus albatus



- Free plant
- Origin: Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Solitary
  - Height: up to 6 inches
  - Width: up to 4 inches
- Propagated from seeds
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Pleiospilos nelli

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





# Copiapoa barquitenensis



- Free plant
- Origin: Chile (Antofagasta)
- Min temp: protect from frost
- Usually solitary
  - Width: to 2 in
  - Height: to 3 in
- Propagated from seed
- Filtered sun
- Water when dry during warm weather
- Well-drained soil

# Euphorbia flanaganii cristata

- Free plant
- Origin: South Africa (Eastern Cape)
- Cristate form is a cultivar
- Min temp: protect from frost
- Forms a mound
  - Mound height: to 6 in
  - Mound diameter: to 12 in
- Propagated from offsets
- Filtered sun
- Well-drained soil



# Lobivia famatinensis



- Free plant
- Origin: Argentina (Catamarca, Sierras de Famatina, La Rioja)
- Min temp: to 14 deg F
- Usually solitary or slow clumping
  - Stem diameter: to 1 in
  - Stem height: to 1 in
- Filtered sun
- Propagated from seed
- Water when dry during warm weather
- Use highly porous, well-drained soil

# Albuca namaquensis

- Free plant
- Origin: South Africa (Eastern Cape); Namibia
- Min temp: protect from frost
- Forms clusters of bulbs
  - Height: to 6 in
  - Bulb width: to 1 in
- Filtered sun
- Propagated from offsets
- Water when dry during warm weather,
- Use porous, well-drained soil



# Mammillaria vetula gracilis



- **Free plant**
- **Origin: Mexico (Hidalgo, Queretaro)**
- **Min temp: protect from frost**
- **Forms low spreading clusters**
  - **Stem height: to 1 in**
  - **Stem diameter: to 3/4 in**
- **Propagated from cuttings**
- **Filtered sun**
- **Water when dry during warm weather**
- **Use well-drained soil**



# Stenocactus vaupelii



- Free plant
- Origin: Mexico (San Luis Potosi)
- Min temp: to 14 deg F
- Solitary
  - Height: up to 6 inches
  - Width: up to 4 inches
- Propagated from seeds
- Full / Filtered sun
- Water when dry during warm weather
- Well-drained soil



# Ferocactus wislizeni



- Free plant
- Origin: USA (Arizona, New Mexico, Texas); Mexico (Sonora, Chihuahua)
- Min temp: to 14 deg F
- Aka 'Fishhook Barrel'
- Usually solitary
  - Stem diameter: to 24 in
  - Stem height: to 6 ft
- Propagated from seed
- Full sun
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